



**ÖLFLEX®**  
Power and control cables



**UNITRONIC®**  
Data communication systems



**ETHERLINE®**  
Data communication systems  
for ETHERNET technology



**HITRONIC®**  
Optical transmission systems



**EPIC®**  
Industrial connectors



**SKINTOP®**  
Cable glands



**SILVYN®**  
Protective cable conduit systems  
and cable carrier systems



**FLEXIMARK®**  
Marking systems

# LAPP EPIC® Connector Catalogue 2026

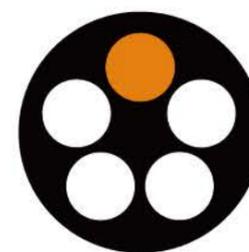
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# LAPP

The most important connection is between you and us!



# Our mission: keeping your industry alive!

Bringing industries to life – that is our purpose. Ever since Oskar Lapp invented the first industrially manufactured power and control cables, we have been providing individual solutions tailored to the needs of our customers. Our goal: to help customers get the best out of their industry.

## A family company in the third generation – since 1959

Throughout our history, our values have determined who we are: customer-oriented, success-oriented, family-oriented and innovative. These are the values for which the Lapp family stands. **Now in the third generation.**



### 1st generation

Oskar and Ursula Ida Lapp invented ÖLFLEX® founded the company and laid the foundation for the company's success today.



### 2nd generation

Andreas and Siegbert E. Lapp have driven growth and strengthened international expansion.



### 3rd generation

Matthias Lapp takes over as CEO, Katharina Lapp joins the Supervisory Board.

# On course for success

**Family business and global player**  
LAPP is both. The history of our company has been one of success and expansion ever since it was founded in 1959 by Ursula Ida and Oskar Lapp. It remains fully family-owned to this day. We safeguard our success by staying close to our customers and markets, maintaining our innovative strength and brand quality, and being a reliable partner. We provide continuity, always guided in our thoughts and actions by our values.

**Success built on family values**  
At LAPP, we maintain values that promote cooperation and enable relationships with employees, suppliers and customers based on partnership and trust. Good relations and mutual respect are key elements of our company culture and a central plank of company policy. We know that our successful business development of the last decades is down in particular to our skilled and dedicated employees

around the world, as well as the reliable partnership with our customers.

As a global family business with over 50,000 products and active in more than 80 countries worldwide, we are always close to the individual needs and challenges of our customers all over the globe. We are constantly developing our products, system solutions, and services, setting standards in safety, quality and functionality. This is why we are one of the world's leading suppliers of integrated solutions and branded products in the field of cable and connection technology. As our success story enters its third generation, we are aware of our duty to the future.



## All quality products at a glance

ÖLFLEX®



ÖLFLEX® has become synonymous with power and control cables. Our flexible and oil-resistant cables satisfy the highest demands and can withstand even the very toughest conditions.

UNITRONIC®



Our high-quality UNITRONIC® data network cables and field bus components provide a forward-looking solution for all applications in industrial machinery and plant engineering. From transmission of simple control signals to field bus signals in complex network structures – we offer a dependable cabling and connection solution for almost every situation.

ETHERLINE®



Our ETHERLINE® branded products open up a secure, fast and reliable path to the future of Ethernet applications, e.g. PROFINET®. The systems are made up of durable and robust cables and connection components for passive and active network technology, and deliver an effective solution for almost any application, particularly in an industrial environment.

HITRONIC®



HITRONIC® fibre optic cables make transmitting large data volumes easy: fault free, bug proof and at almost light speed. Even electromagnetic radiation does not interfere with the transmission. The HITRONIC® range includes the ideal solution for indoor or outdoor use, for demanding conditions, and even for use in power chains.

EPIC®



EPIC® industrial connectors can be found everywhere in industrial machinery and plant engineering, for measuring, control and drives. EPIC® is a flexible system of housings, inserts and contacts: all extremely robust, absolutely safe and simplicity itself to assemble.

SKINTOP®



Simply feed in the cable and twist. That's it. Our SKINTOP® cable glands provide secure connections in no time. The universal systems are simple but effective. They secure and centre the cable, hermetically seal it and guarantee optimum strain relief.

SILVYN®



The universal range of SILVYN® protection and guidance systems protect cables effectively against dust, moisture, mechanical, thermal and chemical influences. The versatile SILVYN®CHAIN range of energy supply chains also protects and guides cables in dynamic applications.

FLEXIMARK®



The requirement: permanent marking. The solution: FLEXIMARK®. These sophisticated systems mean that a clear overview inside a control cabinet is no longer just a pipe dream. From simple labels for manual marking through to electronic markings, the FLEXIMARK® range is guaranteed to be permanent.



Page.027-036

## M5

Circular cable connectors

The Series M5 is specially developed for the miniature sensor market and any application that requires multiple sensors within a very small area. The product line offers 3 and 4 Pins cable cord-sets and a range of panel-mounted receptacles. All connectors are either factory PUR over-molded or panel receptacles supplied with sold-cup for wire connecting, PCB panel solder type is available.



Page.037-068

## M8

Circular cable connectors

M8 series provides a wide range of metric M8 connectors for small sensors and actuators Shielded is available and rated to IP 67, these connectors are ideally suited for industrial control networks where small sensors are required. Connectors are either factory TPU over-molded or panel receptacles supplied with sold-cup for wire connecting or with PCB panel solder contacts, Field attachable / mountable connectors also available for your choice.



Page.069-152

## M12

Circular molded cable

M12 circular connectors with M12 locking thread for Automation, Process control, Industrial Ethernet, Railway CCTV, Boat cabling et.. The Series of M12 connector offers many different cable connectors configuration, panel-mounted receptacles, field attachable/ installable connectors with industry-standard A, B, C, D, X, S, T, K, L and Y keyway coding options.



Page.153-218

## M12

Circular panel connectors

M12 series with wide product range of panel type connectors for sensor/actuator components offers comprehensive solutions for M 12 devices connection. M12 panel mount connectors are available for the device connection for sensor/actuator boxes, field-bus modules and industrial controllers. These connectors can be mechanically integrated into the device design seamlessly, and are also designed for economical PCB assembly with rear mount type and front mount type.



Page.219-232

## M12

Field wireable connectors

Permit high flexibility for wiring in the field. For quick assembly and disassembly of often differing cable lengths, crimping, soldering and screw termination are available, and quick-locking fast connection type is available.



Page.233-244

## M12

T-Adapter & Y-Splitters

The M12 Adapter and Splitters splits wires into 2 to 5 separate connectors, allowing installation of more single-channel input or output devices to each port of devices. Connectors are available with parallel circuits, which allow input or output signals to run or trigger devices simultaneously, designed for DeviceNet, CAN Bus, Profibus, NMEA 2000 cabling.



Page.245-254

## M16

Circular connectors

M16 circular connectors designed for both signal and power application. Its metal shielded body is highly resistant to harsh condition industrial environment. CABLEFORCE offers M16 cable assembly, M16 field wireable connector, and panel mount connectors with solder pins.



Page.255-274

## 7/8"

Mini-change Circular cable connectors

The 7/8" Mini-change IP 67 connectors are mating-compatible with industry mini-change connectors and designed for both signal and electricity current application. Lapp offers 7/8" over molded cables, 7/8" field wireable connectors and 7/8" panel mount receptacles, as well as T-Connectors.



Page.275-288

## I/O

Industrial Data Cable Connectors

- RJ45, CAT 5E, CAT 6A, CAT 7 Ethernet cables
- RS 232, RS485, D-Sub, VGA connecting cable
- USB 2.0, USB 3.0 data cable
- LSZH Fire retardant, 360° EMC/EMI Shielded
- RJ45, CAT 5E, CAT 6A, CAT 7
- RS 232, RS485, D-Sub, VGA
- USB 2.0, USB 3.0



Page.289-300

Cable Assembly and Wire Harness

Supplying standard interface connecting cables as well as customized cable assembly and wire harness, such as Power + Signal hybrid cable connector assembly, Industrial Drag Chain Cable, PLC and servo motor cables, UL2651, UL2468 Ribbon cables. Whether your application is simple or complex, standard or very custom, we have the technical expertise and the manufacturing capability to help.



Page.301-312

## NMEA 2000

Boat Cable Connectors

NMEA 2000 is compatible with the CANBus used on road vehicles and DeviceNet fieldbus cable specifications. Of NMEA 2000, have developed the NZK Trunk-line (15AWG+18AWG) and drop-line 22AWG+24AWG cable and connectors, includes: M12 cable and bulkhead, 7/8" Mini cable and bulkhead and the 120 ohm terminal resistor connector.

MC 04 C5 L S D S B 22 R LB 50 ETN F5

Connector type	Numbers of Contacts	Gender, Connector Configuration, Mounting Style	Orientation	Termination Style	Key coding	Shielding, LED Type	Housing/Screw Version	1. Panel Mount Connector Chassis Side Thread 2. Cable Outlet for Wireable Connector	Wire Gauge	Cable jacket	Cable jacket color	Cable Length	Cable Classified, Stripping	Cable Special Designator
MA (M05)	01 (Pin)	C1 (Male plug molded cable)	L (Straight)	C (Crimping type)	A code	S (Shielded)	A (Aluminum anodized screw)	8.5- (M8x0.5 Chassis side)	30 (30AWG/0.05mm <sup>2</sup> )	C (PVC cable)	K (Black)	003 (30mm)	-Sxx-x (xx Jacket Stripped Length) (x Wire Insulation Tinned, mm)	AA (Armoured with Aluminum)
MB (M08)	02 (Pin)	C2 (Female plug molded cable)	R (Right angled)	S (Solder type)	B code		B (Brass with nickel plated)	8- (M8x1.0 Chassis side)	28 (28AWG/0.08mm <sup>2</sup> )	R (PUR, TPU cable)	G (Green)	01 (10cm)		AS (Armoured with Steel)
MC (M12)	03 (Pin)	C3 (Male to female double ended cable)	LR (L to R)	W (Screwing type)	C code	PN (PNP LED)	BP (Brass Push Pull Locking)	9.5- (M9x0.5 Chassis side)	26 (26AWG/0.14mm <sup>2</sup> )	S (Silicon cable)	B (Blue)	02 (20cm)		AC (Armoured with Copper tape)
MD (M16)	04 (Pin)	C4 (Female to female double ended cable)		P (PCB Contacts)	D code	NP (NPN LED)	BF (Brass, square flange)	10 (M10x1.0 Chassis side)	24 (24AWG/0.25mm <sup>2</sup> )	T (PTFE cable)	LB (Lake blue)	03 (30cm)	A (AL Foil Shield)	FC (Flexible Conduit)
ME (M20)	05 (Pin)	C5 (Male to male double ended cable)		I (IDC)	X code		BH (Brass, Hexagon)	10.5 (M10x0.5 Chassis side)	22 (22AWG/0.34mm <sup>2</sup> )	E (TPE cable)	V (Violet, Purple)	04 (40cm)	AB (AL+Braid Shield)	F5 (Fabric Sheath/ tube)
MF (7/8")	06 (Pin)	C6 (Panel connector, female to female, molded cable)		SP (Spring type)	S code	PN1 (NP Single Pin)	Z (Zinc alloy screw)	10.7 (M10x0.75 Chassis side)	20 (20AWG/0.5mm <sup>2</sup> )	L (LSZH cable)	O (Orange)	05 (50cm)	ABD (AL+Braid Shield+Drain)	
MG (M23)	07 (Pin)	C7 (Panel connector, male to male, molded cable)			T code	PN2 (NP Dual Pin)	ZF (Zinc alloy, square flange)	12- (M12x1.0 Chassis side)	18 (18AWG/0.75mm <sup>2</sup> )	XE (XLPE cable PE)	GY (Grey)	10 (1.0m)		F1 (1 million bending life)
	08 (Pin)	C9 (Panel connector, male to female, molded cable)			L code	NP1 (NP Single Pin)	ZH (Zinc alloy, Hexagon)	16- (M16x1.5 Chassis side)	16 (16AWG/1.5mm <sup>2</sup> )	RB (Rubber cable)	W (White)	15 (1.5m)	C5E (Cat 5e SFTP)	F2 (2 million bending life)
RJ5 (RJ45 Cat 5)	09 (Pin)				K code	NP2 (NP Dual Pin)	S (Stainless steel screw)	20- (M20x1.5 Chassis side)	15 (15AWG/2.0mm <sup>2</sup> )		BN (Brown)	20 (2.0m)	C6A (Cat 6a SFTP)	F5 (5 million bending life)
RJ5E (RJ45 Cat 5e)	10 (Pin)	P1 (Male panel mount, front fastening)			Y code		SH (Stainless steel screw, Hexagon)	23- (M23x1.0 Chassis side)	14 (14AWG/2.5mm <sup>2</sup> )	W (PVC single wire)	Y (Yellow)	25 (2.5m)	C7 (Cat 7 SFTP)	F8 (8 million bending life)
RJ6 (RJ45 Cat 6)	12 (Pin)	P2 (Female panel mount, front fastening)			P code		P (Plastic screws & housing)	25- (M25x1.0 Chassis side)	12 (12AWG/4.0mm <sup>2</sup> )	WR (PU single wire)	R (Red)	30 (3.0m)	C8 (Cat 8 SFTP)	F10 (10 million bending life)
RJ6A (RJ45 Cat 6a)	14 (Pin)	P3 (Male panel mount, rear fastening)			H code		PF (Plastic, Square flange)	P7- PG7	10 (10AWG/5.0mm <sup>2</sup> )	WI (Silicon single wire)	P (Pink)	50 (5.0m)		F20 (20 million bending life)
RJ7 (RJ45 Cat 7)	16 (Pin)	P4 (Female panel mount, rear fastening)						P9- PG9	08 (8AWG/8.0mm <sup>2</sup> )	WP (PP single wire)	Wires no color code	100 (10m)	CAN (CANopen)	
RJ8 (RJ45 Cat 8)	17 (Pin)	P3X (Male panel mount, Positioning Adjustable)						P11- PG11	06 (6AWG/13mm <sup>2</sup> )	WE (PE single wire)		150 (15m)	CCL (CC-Link)	AR (Abrasion Resistant)
	19 (Pin)	P4X (Female Panel, Positioning Adjustable)						P13- PG13.5	04 (4AWG/25mm <sup>2</sup> )	WHE (HDPE single wire)		300 (30m)	DVN (DeviceNet)	CR (Corrosion Resistant)
U2 (USB 2.0)	(Hybrid below)	P5 (Snap-in / Male panel mount, front fastening)						14N- ( 1/2" 14-NPT Chassis side)	02 (2AWG/33mm <sup>2</sup> )	WXE (XLPE single wire)		500 (50m)	ETN (EtherNet Drag Chain)	EP (Explosion Proof)
U3 (USB 3.0)	H1E (1+PE)	P6 (Snap-in/ Male panel mount, rear fastening)						18N- ( 1/4" 18-NPT Chassis side)	01 (1AWG/42mm <sup>2</sup> )	WFPE (Foamed PE wire)			ETC (EtherCAT Drag Chain)	FR (Fuel Resistant)
UC (USB Type C)	H2E (2+PE)	P7 (Male-female, through wall type panel connector)								WS (Shielded single wire)			N2K (NMEA 2000)	HR (Hydrolysis Resistant)
	H23 (2P+3P)	P8 (Panel connector, female, molded cable, front fastening)								WT (PTFE Wire)			PFN (ProfiNet Drag Chain)	OR (Oil Resistant)
DB (D-SUB)	H3E (3+PE)	P9 (Panel connector, male, molded cable, front fastening)											PFB (ProfiBus)	WR (Weld Resistant)
DV (DVI)	H35 (3P+5P)												R (Railway Transportation)	HT (High Temperature)
MD (Mini-Din)	H38 (3P+8P)	A1 (Male field wireable connector)												LT (Low Temperature)
SV (Solenoid Valve)	H4E (4+PE)	A2 (Female field wireable connector)											S35 Jacket stripping 35mm	LH (Low & High Temperature)
	H48 (4P+8P)	A3 (Field wireable type, male to female connector)											S35/5 Jacket stripping 35mm, core wire tinned 5mm	HV (High Voltage)
	H5E (5+PE)	A4 (Field wireable type, female to female connector)												UV (UV Resistant)
	H6E (6+PE)	A5 (Field wireable type, male to male connector)												
		T-MFF (1+2 way T-adaptor, Male to 2 x female)												
		T3-MFFF (Gender) (1+3 way T-adaptor)												
		T4-MFFFF (Gender) (1+4 way T-adaptor)												
		T5 - (1+5 way T-adaptor)												
		T6 -CMF (Gender) (T-Splitter power tap)												
		T1 (Male Termination resistor)												
		T2 (Female Termination resistor)												
		TL (Male to Female Termination Resistor)												
		TR (Male-Female In one Angled adaptor)												
		Y-MFF (1+2 way Y-Splitter, Male to 2 x female)												
		Y1 (Y-Splitter cable 1 male Y-split to 2 way)												
		Y2 (Y-Splitter cable 1 female Y-split to 2 way)												
		W4 (4 Ports Junction Box)												
		W8 (8 Ports Junction Box)												
		W10 (10 Ports Junction Box)												
		W12 (12 Ports Junction Box)												
		PC01 (Male connector's plastic cap)												
		PC02 (Female connector's plastic cap)												
		PC03 (Male connector's plastic cap with strip)												
		PC04 (Female connector's plastic cap with strip)												
		PC01-S (Steel, Male connector's Protection cap)												
		PC02-S (Steel, Female connector's Protection cap)												
		PC03-S (Male connector's Steel cap with lanyard)												
		PC04-S (Female connector's Steel cap with lanyard)												

	Coding	Coding Image	Description	Purpose
M8	M8 A-coding		Available with 3, 4, 6 and 8 poles	Flexible solutions for application including small power applications for servo drives
	M8 B-coding		Available with 5 poles	Flexible solutions for application including small power applications for servo drives
	M8 D-coding		Available with 4 poles	Connection for Industrial Ethernet applications (e.g. PROFINET, EtherNet/IP, EtherCAT, ...)
M12	M12 A-coding		Available with 2, 3, 4, 5, 8, 12, 17 poles	Flexible solutions for sensor/actuator application including sensor data transmission
	M12 B-coding		Available with 5 poles	PROFIBUS
	M12 C-coding		Available with 2, 3, 4, 5, 6 poles	Mainly used in the USA automation industry
	M12 D-coding		Available with 4 poles	Connection for Industrial Ethernet applications (e.g. PROFINET, EtherNet/IP, EtherCAT, ...)
	M12 X-coding		Available with 8 poles	Connector for Industrial Ethernet (10 Gbit/s, Cat6A)
	M12 K-coding		Available with 5 poles	High power connection for field devices, drives, AC motors, frequency inverters
	M12 L-coding		Available with 5 poles	
	M12 S-coding		Available with 3, 4 poles	
	M12 T-coding		Available with 4 poles	
	M12 Y-coding		Available with 2 / 4 + 2 x 2 poles	

Icon	Icon explanation
	UL-approved
	CE approved
	Low Smoking Zero Halogen
	RoHS Compliant
	48 Hours Salt-Spray test
	RoHS Compliant IP67
	UL94 Flame Retardent

Icon	Icon explanation
	Vibration and shock resistance
	Oil, coolants, lubricants and emulsion resistance
	Drag chain suitability
	UV resistance
	Electromagnetic resistance EMC
	High-Low temperature resistant
	Suitable for railway applications

IP Code

First index figure (foreign bodies protection)

First digit	Illustration	Degree of Protection
0		No protection against accidental contact, no protection against solid foreign bodies
1		Protection against contact with any large area by hand and against solid foreign bodies with Ø >50 mm
2		Protection against contact with the fingers, protection against solid foreign bodies with Ø >12 mm
3		Protection against tools, wires or similar objects with Ø >2.5 mm, protection against solid foreign bodies with Ø >2.5 mm
4		Just like 3 except for the size difference of Ø >1 mm
5		Full protection against contact, protection against interior injurious dust deposits
6		Total protection against contact, protection against penetration of dust

Second index figure (water protection)

Second digit	Illustration	Degree of Protection
0		No protection against water
1		Protection against vertical water drops
2		Protection against water dripping (15° tilted)
3		Protection against spraying (60° angle)
4		Protection against splashed water from all directions
5		Protection against water jetting from all directions
6		Protection against powerful water jetting
7		Protection against temporary submersion in water
8		Protection against ingress of water in case of continuous immersion, requirements under agreement of user and manufacturer
9K		Protected against water from high-pressure/steam jet cleaners

<b>M5 Cable</b>  M5 male connector, molded cable, free end <b>029</b> PAGE	<b>M5 Cable</b>  M5 male connector, right angled molded cable, free end <b>029</b> PAGE	<b>M5 Cable</b>  M5 female connector, molded cable, free end <b>030</b> PAGE	<b>M5 Cable</b>  M5 female connector, right angled molded cable, free end <b>030</b> PAGE	<b>M5 Connecting Cable</b>  M5 male to female, double ended, molded cable, Un-shielded <b>031</b> PAGE
<b>M5 Connecting Cable</b>  M5 male to female, right angled double ended, molded cable, Un-shielded <b>031</b> PAGE	<b>M5 Connecting Cable</b>  M5 male to male, double ended, molded cable, Un-shielded <b>032</b> PAGE	<b>M5 Connecting Cable</b>  M5 male to male, right angled double ended, molded cable, Un-shielded <b>032</b> PAGE	<b>M5 Panel Receptacle</b>  M5 male panel connector, front side fastening, with single wires <b>033</b> PAGE	<b>M5 Panel Receptacle</b>  M5 male panel connector, rear side fastening, with single wires <b>033</b> PAGE
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# M5 Circular cable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



The Series M5 is specially developed for the miniature sensor market and any application that requires multiple sensors within a very small area. The product line offers 3 and 4 Pins cable cord-sets and a range of panel-mounted receptacles. All connectors are either factory PUR over-molded or panel receptacles supplied with sold-cup for wire connecting, PCB panel solder type is available.



## M5 Circular cable connectors

- Degree of protection IP 67
- 3, 4 poles are available
- TPU over-molded
- Cable length customized, PUR and PVC cable options
- Operating voltage 60V, current 1A

M5 A-Code male connector, molded cable, free end



Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend 0.1Nm, Max 0.15Nm	
Termination	Soldering	
Wire gauge	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass	
Contacts plating	Au (Gold)	
O-ring	N / A	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C1LSAB26CK10	EPIC MA03C1LSAB26RK10	EPIC MA03C1RSAB26CK10	EPIC MA03C1RSAB26RK10
		7433500355	7433500358	7433500361	7433500364
	2 m	EPIC MA03C1LSAB26CK20	EPIC MA03C1LSAB26RK20	EPIC MA03C1RSAB26CK20	EPIC MA03C1RSAB26RK20
		7433500356	7433500359	7433500362	7433500365
	3 m	EPIC MA03C1LSAB26CK30	EPIC MA03C1LSAB26RK30	EPIC MA03C1RSAB26CK30	EPIC MA03C1RSAB26RK30
		7433500357	7433500360	7433500363	7433500366
4 Pin	1 m	EPIC MA04C1LSAB26CK10	EPIC MA04C1LSAB26RK10	EPIC MA04C1RSAB26CK10	EPIC MA04C1RSAB26RK10
		7433500367	7433500370	7433500373	7433500376
	2 m	EPIC MA04C1LSAB26CK20	EPIC MA04C1LSAB26RK20	EPIC MA04C1RSAB26CK20	EPIC MA04C1RSAB26RK20
		7433500368	7433500371	7433500374	7433500377
	3 m	EPIC MA04C1LSAB26CK30	EPIC MA04C1LSAB26RK30	EPIC MA04C1RSAB26CK30	EPIC MA04C1RSAB26RK30
		7433500369	7433500372	7433500375	7433500378

Cable's Color Coding & Wiring

Poles & Wire Color/Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 A-Code female connector, molded cable, free end



Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5 x 0.5 screw / M5	
Tightening Torque	Recommend 0.1Nm, Max 0.15Nm	
Termination	Soldering	
Wire gauge	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Phosphor Bronze	
Contacts plating	Au (Gold)	
O-ring	FKM/Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MA03C2LSAB26CK10	EPIC MA03C2LSAB26RK10	EPIC MA03C2RSAB26CK10	EPIC MA03C2RSAB26RK10
		7433500379	7433500382	7433500385	7433500388
	2 m	EPIC MA03C2LSAB26CK20	EPIC MA03C2LSAB26RK20	EPIC MA03C2RSAB26CK20	EPIC MA03C2RSAB26RK20
		7433500380	7433500383	7433500386	7433500389
	3 m	EPIC MA03C2LSAB26CK30	EPIC MA03C2LSAB26RK30	EPIC MA03C2RSAB26CK30	EPIC MA03C2RSAB26RK30
		7433500381	7433500384	7433500387	7433500390
4 Pin	1 m	EPIC MA04C2LSAB26CK10	EPIC MA04C2LSAB26RK10	EPIC MA04C2RSAB26CK10	EPIC MA04C2RSAB26RK10
		7433500391	7433500394	7433500397	7433500400
	2 m	EPIC MA04C2LSAB26CK20	EPIC MA04C2LSAB26RK20	EPIC MA04C2RSAB26CK20	EPIC MA04C2RSAB26RK20
		7433500392	7433500395	7433500398	7433500401
	3 m	EPIC MA04C2LSAB26CK30	EPIC MA04C2LSAB26RK30	EPIC MA04C2RSAB26CK30	EPIC MA04C2RSAB26RK30
		7433500393	7433500396	7433500399	7433500402

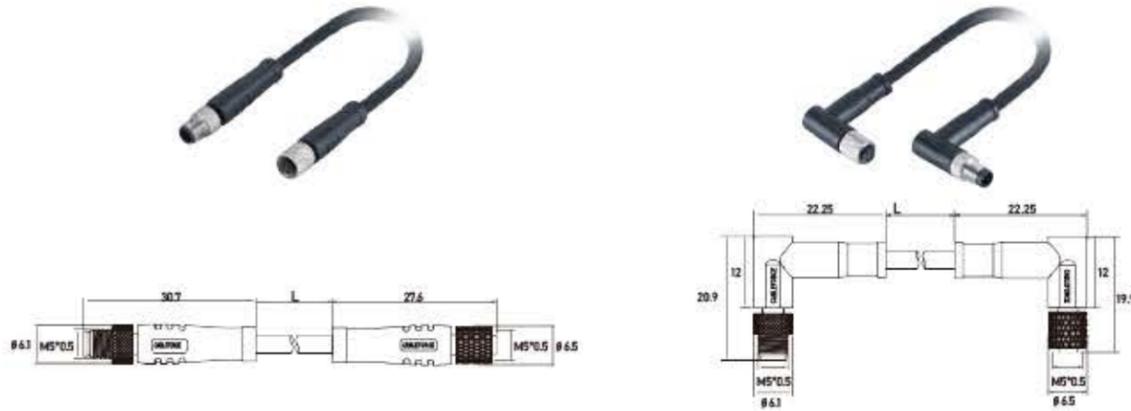
Cable's Color Coding & Wiring

Poles & Wire Color /Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

## M5 Connecting Cable



M5 A-Code, male to female, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend 0.1Nm, Max 0.15Nm	
Termination	Soldering	
Cable specification	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥ 100MΩ	
Contact resistance	≤ 6mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass / Phosphor Bronze	
Contact plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

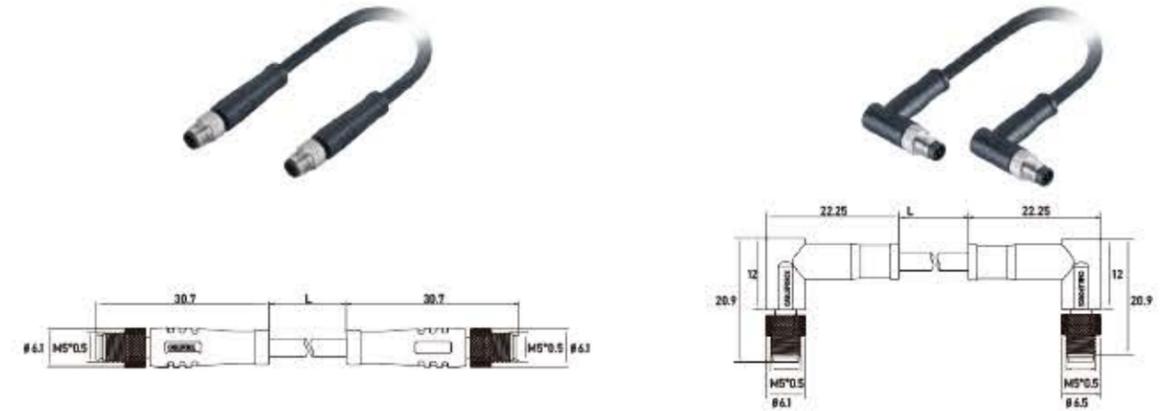
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
		3 Pin		EPIC MA03C3LSAB26CK10 7433500403	EPIC MA03C3LSAB26RK10 7433500406
3 Pin		EPIC MA03C3LSAB26CK20 7433500404	EPIC MA03C3LSAB26RK20 7433500407	EPIC MA03C3RSAB26CK20 7433500410	EPIC MA03C3RSAB26RK20 7433500413
3 Pin		EPIC MA03C3LSAB26CK30 7433500405	EPIC MA03C3LSAB26RK30 7433500408	EPIC MA03C3RSAB26CK30 7433500411	EPIC MA03C3RSAB26RK30 7433500414
4 Pin		EPIC MA04C3LSAB26CK10 7433500415	EPIC MA04C3LSAB26RK10 7433500418	EPIC MA04C3RSAB26CK10 7433500421	EPIC MA04C3RSAB26RK10 7433500424
4 Pin		EPIC MA04C3LSAB26CK20 7433500416	EPIC MA04C3LSAB26RK20 7433500419	EPIC MA04C3RSAB26CK20 7433500422	EPIC MA04C3RSAB26RK20 7433500425
4 Pin		EPIC MA04C3LSAB26CK30 7433500417	EPIC MA04C3LSAB26RK30 7433500420	EPIC MA04C3RSAB26CK30 7433500423	EPIC MA04C3RSAB26RK30 7433500426



## M5 Connecting Cable



M5 A-Code, male to male, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend 0.1Nm, Max 0.15Nm	
Termination	Soldering	
Cable specification	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥ 100MΩ	
Contact resistance	≤ 8mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Brass	
Contact plating	Au (Gold)	
O-ring	N / A	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
		3 Pin		EPIC MA03C5LSAB26CK10 7433500427	EPIC MA03C5LSAB26RK10 7433500430
3 Pin		EPIC MA03C5LSAB26CK20 7433500428	EPIC MA03C5LSAB26RK20 7433500431	EPIC MA03C5RSAB26CK20 7433500434	EPIC MA03C5RSAB26RK20 7433500437
3 Pin		EPIC MA03C5LSAB26CK30 7433500429	EPIC MA03C5LSAB26RK30 7433500432	EPIC MA03C5RSAB26CK30 7433500435	EPIC MA03C5RSAB26RK30 7433500438
4 Pin		EPIC MA04C5LSAB26CK10 7433500439	EPIC MA04C5LSAB26RK10 7433500442	EPIC MA04C5RSAB26CK10 7433500445	EPIC MA04C5RSAB26RK10 7433500448
4 Pin		EPIC MA04C5LSAB26CK20 7433500440	EPIC MA04C5LSAB26RK20 7433500443	EPIC MA04C5RSAB26CK20 7433500446	EPIC MA04C5RSAB26RK20 7433500449
4 Pin		EPIC MA04C5LSAB26CK30 7433500441	EPIC MA04C5LSAB26RK30 7433500444	EPIC MA04C5RSAB26CK30 7433500447	EPIC MA04C5RSAB26RK30 7433500450



M5 A-Code male panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend: 0.15Nm, Max: 0.2Nm	
Termination	Soldering	
Wire gauge	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	0.2 m	EPIC MA03P1LSAB-26W02	EPIC MA03P3LSAB-26W02
		7433505224	7433505227
		EPIC MA03P1LSAB-26W03	EPIC MA03P3LSAB-26W03
	0.3 m	7433505225	7433505228
		EPIC MA03P1LSAB-26W05	EPIC MA03P3LSAB-26W05
		7433505226	7433505229
4 Pin	0.2 m	EPIC MA04P1LSAB-26W02	EPIC MA04P3LSAB-26W02
		7433505230	7433505233
		EPIC MA04P1LSAB-26W03	EPIC MA04P3LSAB-26W03
	0.3 m	7433505231	7433505234
		EPIC MA04P1LSAB-26W05	EPIC MA04P3LSAB-26W05
		7433505232	7433505235

Wires' Color Coding

Poles & Wire Color/Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

M5 A-Code female panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend 0.15Nm, Max 0.2Nm	
Termination	Soldering	
Wire gauge	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤6mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	0.2 m	EPIC MA03P2LSAB-26W02	EPIC MA03P4LSAB-26W02
		7433505236	7433505239
		EPIC MA03P2LSAB-26W03	EPIC MA03P4LSAB-26W03
	0.3 m	7433505237	7433505240
		EPIC MA03P2LSAB-26W05	EPIC MA03P4LSAB-26W05
		7433505238	7433505241
4 Pin	0.2 m	EPIC MA04P2LSAB-26W02	EPIC MA04P4LSAB-26W02
		7433505242	7433505245
		EPIC MA04P2LSAB-26W03	EPIC MA04P4LSAB-26W03
	0.3 m	7433505243	7433505246
		EPIC MA04P2LSAB-26W05	EPIC MA04P4LSAB-26W05
		7433505244	7433505247

Wires' Color Coding

Poles & Wire Color/Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

## M5 A-Code



M5 A-Code male panel connector, front/ rear mount, with PCB Contacts



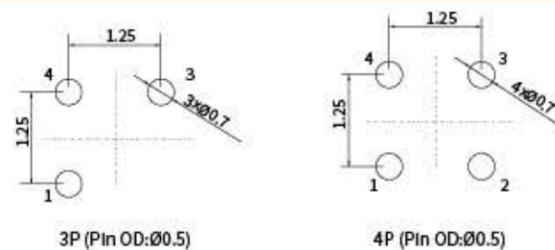
### Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Tightening Torque	Recommend : 0.15Nm, Max : 0.2Nm	
Termination	PCB Dip Soldering / PCB	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥ 100MΩ	
Contact resistance	≤ 6mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Panel Front Side Fastening	Panel Rear Side Fastening
3Pin	EPIC MA03P1LPAB	EPIC MA03P3LPAB
	7433505248	7433505249
4Pin	EPIC MA04P1LPAB	EPIC MA04P3LPAB
	7433505250	7433505251

### PCB Layout Reference



## M5 A-Code



M5 A-Code female panel connector, front/ rear mount, with PCB Contacts



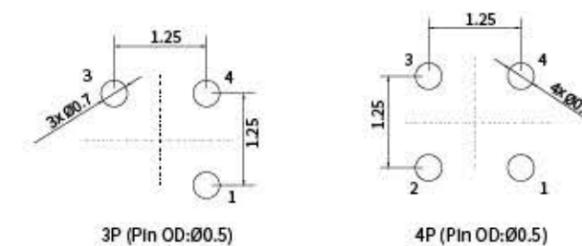
### Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-105	
Rated current	1A	
Rated voltage	60V	
Impulse voltage	500V	
Locking system	M5x0.5 screw / M5	
Termination	Recommend : 0.15Nm, Max : 0.2Nm	
Tightening Torque	PCB Dip Soldering / PCB	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥ 100MΩ	
Contact resistance	≤ 6mΩ	
Over-molding	TPU	
Contact carrier	TPU+GF, Black	
Screw nut	Brass, CNC, nickel-plated	
Contact Pin	Phosphor Bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Panel Front Side Fastening	Panel Rear Side Fastening
3 Pin	EPIC MA03P2LPAB	EPIC MA03P4LPAB
	7433505252	7433505253
4 Pin	EPIC MA04P2LPAB	EPIC MA04P4LPAB
	7433505254	7433505255

### PCB Layout Reference



# M8 Circular cable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



M8 series provides a wide range of metric M8 connectors for small sensors and actuators. Shielded is available and rated to IP 67, these connectors are ideally suited for industrial control networks where small sensors are required. Connectors are either factory TPU over-molded or panel receptacles supplied with sold-cup for wire connecting or with PCB panel solder contacts. Field attachable/mountable connector is also available for your choice.

# M8

## Circular cable connectors

- 2+2P, 3P, 4P, 5P, 6P, 8P poles are available
- Operating voltage 60V, 30V, current 4A, 3A, 1A
- 360° EMC shielded version available
- Degree of protection IP 67
- TPU over molded or PA+GF shell
- Anti-vibration locking screw design
- Customized cable length, with PUR, PVC, TPE, LSZH, EtherNet cable options



M8 A-Code male connector, molded cable, free end



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (AWG 24)			0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥ 100MΩ				
Contact resistance	≤ 5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSAB24CK20 7433500451	EPIC MB03C1LSAB24RK20 7433500453	EPIC MB03C1RSAB24CK20 7433500455	EPIC MB03C1RSAB24RK20 7433500457
	5 m	EPIC MB03C1LSAB24CK50 7433500452	EPIC MB03C1LSAB24RK50 7433500454	EPIC MB03C1RSAB24CK50 7433500456	EPIC MB03C1RSAB24RK50 7433500458
4 Pin	2 m	EPIC MB04C1LSAB24CK20 7433500459	EPIC MB04C1LSAB24RK20 7433500461	EPIC MB04C1RSAB24CK20 7433500463	EPIC MB04C1RSAB24RK20 7433500465
	5 m	EPIC MB04C1LSAB24CK50 7433500460	EPIC MB04C1LSAB24RK50 7433500462	EPIC MB04C1RSAB24CK50 7433500464	EPIC MB04C1RSAB24RK50 7433500466
5 Pin	2 m	EPIC MB05C1LSBB24CK20 7433500467	EPIC MB05C1LSBB24RK20 7433500469	EPIC MB05C1RSBB24CK20 7433500471	EPIC MB05C1RSBB24RK20 7433500473
	5 m	EPIC MB05C1LSBB24CK50 7433500468	EPIC MB05C1LSBB24RK50 7433500470	EPIC MB05C1RSBB24CK50 7433500472	EPIC MB05C1RSBB24RK50 7433500474
6 Pin	2 m	EPIC MB06C1LSAB26CK20 7433500475	EPIC MB06C1LSAB26RK20 7433500477	EPIC MB06C1RSAB26CK20 7433500479	EPIC MB06C1RSAB26RK20 7433500481
	5 m	EPIC MB06C1LSAB26CK50 7433500476	EPIC MB06C1LSAB26RK50 7433500478	EPIC MB06C1RSAB26CK50 7433500480	EPIC MB06C1RSAB26RK50 7433500482
8 Pin	2 m	EPIC MB08C1LSAB26CK20 7433500483	EPIC MB08C1LSAB26RK20 7433500485	EPIC MB08C1RSAB26CK20 7433500487	EPIC MB08C1RSAB26RK20 7433500489
	5 m	EPIC MB08C1LSAB26CK50 7433500484	EPIC MB08C1LSAB26RK50 7433500486	EPIC MB08C1RSAB26CK50 7433500488	EPIC MB08C1RSAB26RK50 7433500490

Cable's Color Coding & Wiring

Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 A-Code female connector, molded cable, free end



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (AWG 24)			0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥ 100MΩ				
Contact resistance	≤ 5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSAB24CK20 7433500491	EPIC MB03C2LSAB24RK20 7433500493	EPIC MB03C2RSAB24CK20 7433500495	EPIC MB03C2RSAB24RK20 7433500497
	5 m	EPIC MB03C2LSAB24CK50 7433500492	EPIC MB03C2LSAB24RK50 7433500494	EPIC MB03C2RSAB24CK50 7433500496	EPIC MB03C2RSAB24RK50 7433500498
4 Pin	2 m	EPIC MB04C2LSAB24CK20 7433500499	EPIC MB04C2LSAB24RK20 7433500501	EPIC MB04C2RSAB24CK20 7433500503	EPIC MB04C2RSAB24RK20 7433500505
	5 m	EPIC MB04C2LSAB24CK50 7433500500	EPIC MB04C2LSAB24RK50 7433500502	EPIC MB04C2RSAB24CK50 7433500504	EPIC MB04C2RSAB24RK50 7433500506
5 Pin	2 m	EPIC MB05C2LSBB24CK20 7433500507	EPIC MB05C2LSBB24RK20 7433500509	EPIC MB05C2RSBB24CK20 7433500511	EPIC MB05C2RSBB24RK20 7433500513
	5 m	EPIC MB05C2LSBB24CK50 7433500508	EPIC MB05C2LSBB24RK50 7433500510	EPIC MB05C2RSBB24CK50 7433500512	EPIC MB05C2RSBB24RK50 7433500514
6 Pin	2 m	EPIC MB06C2LSAB26CK20 7433500515	EPIC MB06C2LSAB26RK20 7433500517	EPIC MB06C2RSAB26CK20 7433500519	EPIC MB06C2RSAB26RK20 7433500521
	5 m	EPIC MB06C2LSAB26CK50 7433500516	EPIC MB06C2LSAB26RK50 7433500518	EPIC MB06C2RSAB26CK50 7433500520	EPIC MB06C2RSAB26RK50 7433500522
8 Pin	2 m	EPIC MB08C2LSAB26CK20 7433500523	EPIC MB08C2LSAB26RK20 7433500525	EPIC MB08C2RSAB26CK20 7433500527	EPIC MB08C2RSAB26RK20 7433500529
	5 m	EPIC MB08C2LSAB26CK50 7433500524	EPIC MB08C2LSAB26RK50 7433500526	EPIC MB08C2RSAB26CK50 7433500528	EPIC MB08C2RSAB26RK50 7433500530

Cable's Color Coding & Wiring

Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

## M8 A-Code, B-Code, Shielded



M8 A-Code male connector, molded cable, 360° EMI-Shielded, free end



## M8 A-Code, B-Code, Shielded



M8 A-Code female connector, molded cable, 360° EMI-Shielded, free end



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1L8A8B24CK20 7433500531	EPIC MB03C1L8A8B24RK20 7433500533	EPIC MB03C1R8A8B24CK20 7433500535	EPIC MB03C1R8A8B24RK20 7433500537
	5 m	EPIC MB03C1L8A8B24CK50 7433500532	EPIC MB03C1L8A8B24RK50 7433500534	EPIC MB03C1R8A8B24CK50 7433500536	EPIC MB03C1R8A8B24RK50 7433500538
4 Pin	2 m	EPIC MB04C1L8A8B24CK20 7433500539	EPIC MB04C1L8A8B24RK20 7433500541	EPIC MB04C1R8A8B24CK20 7433500543	EPIC MB04C1R8A8B24RK20 7433500545
	5 m	EPIC MB04C1L8A8B24CK50 7433500540	EPIC MB04C1L8A8B24RK50 7433500542	EPIC MB04C1R8A8B24CK50 7433500544	EPIC MB04C1R8A8B24RK50 7433500546
5 Pin	2 m	EPIC MB05C1L8B8B24CK20 7433500547	EPIC MB05C1L8B8B24RK20 7433500549	EPIC MB05C1R8B8B24CK20 7433500551	EPIC MB05C1R8B8B24RK20 7433500553
	5 m	EPIC MB05C1L8B8B24CK50 7433500548	EPIC MB05C1L8B8B24RK50 7433500550	EPIC MB05C1R8B8B24CK50 7433500552	EPIC MB05C1R8B8B24RK50 7433500554
6 Pin	2 m	EPIC MB06C1L8A8B26CK20 7433500555	EPIC MB06C1L8A8B26RK20 7433500557	EPIC MB06C1R8A8B26CK20 7433500559	EPIC MB06C1R8A8B26RK20 7433500561
	5 m	EPIC MB06C1L8A8B26CK50 7433500556	EPIC MB06C1L8A8B26RK50 7433500558	EPIC MB06C1R8A8B26CK50 7433500560	EPIC MB06C1R8A8B26RK50 7433500562
8 Pin	2 m	EPIC MB08C1L8A8B26CK20 7433500563	EPIC MB08C1L8A8B26RK20 7433500565	EPIC MB08C1R8A8B26CK20 7433500567	EPIC MB08C1R8A8B26RK20 7433500569
	5 m	EPIC MB08C1L8A8B26CK50 7433500564	EPIC MB08C1L8A8B26RK50 7433500566	EPIC MB08C1R8A8B26CK50 7433500568	EPIC MB08C1R8A8B26RK50 7433500570

### Cable's Color Coding & Wiring

Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY		GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2L8A8B24CK20 7433500571	EPIC MB03C2L8A8B24RK20 7433500573	EPIC MB03C2R8A8B24CK20 7433500575	EPIC MB03C2R8A8B24RK20 7433500577
	5 m	EPIC MB03C2L8A8B24CK50 7433500572	EPIC MB03C2L8A8B24RK50 7433500574	EPIC MB03C2R8A8B24CK50 7433500576	EPIC MB03C2R8A8B24RK50 7433500578
4 Pin	2 m	EPIC MB04C2L8A8B24CK20 7433500579	EPIC MB04C2L8A8B24RK20 7433500581	EPIC MB04C2R8A8B24CK20 7433500583	EPIC MB04C2R8A8B24RK20 7433500585
	5 m	EPIC MB04C2L8A8B24CK50 7433500580	EPIC MB04C2L8A8B24RK50 7433500582	EPIC MB04C2R8A8B24CK50 7433500584	EPIC MB04C2R8A8B24RK50 7433500586
5 Pin	2 m	EPIC MB05C2L8B8B24CK20 7433500587	EPIC MB05C2L8B8B24RK20 7433500589	EPIC MB05C2R8B8B24CK20 7433500591	EPIC MB05C2R8B8B24RK20 7433500593
	5 m	EPIC MB05C2L8B8B24CK50 7433500588	EPIC MB05C2L8B8B24RK50 7433500590	EPIC MB05C2R8B8B24CK50 7433500592	EPIC MB05C2R8B8B24RK50 7433500594
6 Pin	2 m	EPIC MB06C2L8A8B26CK20 7433500595	EPIC MB06C2L8A8B26RK20 7433500597	EPIC MB06C2R8A8B26CK20 7433500599	EPIC MB06C2R8A8B26RK20 7433500601
	5 m	EPIC MB06C2L8A8B26CK50 7433500596	EPIC MB06C2L8A8B26RK50 7433500598	EPIC MB06C2R8A8B26CK50 7433500600	EPIC MB06C2R8A8B26RK50 7433500602
8 Pin	2 m	EPIC MB08C2L8A8B26CK20 7433500603	EPIC MB08C2L8A8B26RK20 7433500605	EPIC MB08C2R8A8B26CK20 7433500607	EPIC MB08C2R8A8B26RK20 7433500609
	5 m	EPIC MB08C2L8A8B26CK50 7433500604	EPIC MB08C2L8A8B26RK50 7433500606	EPIC MB08C2R8A8B26CK50 7433500608	EPIC MB08C2R8A8B26RK50 7433500610

### Cable's Color Coding & Wiring

Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY		GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				



M8 Male Connector, Molded Cable, Big Model , Free End



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw				
Tightening torque	Recommended: 0.2 Nip , Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (24AWG) / 0.14mm <sup>2</sup> (26AWG)		0.14mm <sup>2</sup> (AWG 26)		
Cable outlet	Max. 9.0mm				
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C				
Insulation resistance	>100MΩ				
Contact resistance	<5mΩ				
Over-molding	TPU				
Contacts carrier	TPU+GF				
Screw nut	Brass				
Contacts	Brass				
Contacts plating	Au (Gold)				
O-Ring	N / A				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSABXL-24CK20	EPIC MB03C1LSABXL-24RK20	EPIC MB03C1RSABXL-24CK20	EPIC MB03C1RSABXL-24RK20
		7433500611	7433500613	7433500615	7433500617
	5 m	EPIC MB03C1LSABXL-24CK50	EPIC MB03C1LSABXL-24RK50	EPIC MB03C1RSABXL-24CK50	EPIC MB03C1RSABXL-24RK50
		7433500612	7433500614	7433500616	7433500618
4 Pin	2 m	EPIC MB04C1LSABXL-24CK20	EPIC MB04C1LSABXL-24RK20	EPIC MB04C1RSABXL-24CK20	EPIC MB04C1RSABXL-24RK20
		7433500619	7433500621	7433500623	7433500625
	5 m	EPIC MB04C1LSABXL-24CK50	EPIC MB04C1LSABXL-24RK50	EPIC MB04C1RSABXL-24CK50	EPIC MB04C1RSABXL-24RK50
		7433500620	7433500622	7433500624	7433500626
5 Pin	2 m	EPIC MB05C1LSABXL-24CK20	EPIC MB05C1LSABXL-24RK20	EPIC MB05C1RSABXL-24CK20	EPIC MB05C1RSABXL-24RK20
		7433500627	7433500629	7433500631	7433500633
	5 m	EPIC MB05C1LSABXL-24CK50	EPIC MB05C1LSABXL-24RK50	EPIC MB05C1RSABXL-24CK50	EPIC MB05C1RSABXL-24RK50
		7433500628	7433500630	7433500632	7433500634
6 Pin	2 m	EPIC MB06C1LSABXL-26CK20	EPIC MB06C1LSABXL-26RK20	EPIC MB06C1RSABXL-26CK20	EPIC MB06C1RSABXL-26RK20
		7433500635	7433500637	7433500639	7433500641
	5 m	EPIC MB06C1LSABXL-26CK50	EPIC MB06C1LSABXL-26RK50	EPIC MB06C1RSABXL-26CK50	EPIC MB06C1RSABXL-26RK50
		7433500636	7433500638	7433500640	7433500642
8 Pin	2 m	EPIC MB08C1LSABXL-26CK20	EPIC MB08C1LSABXL-26RK20	EPIC MB08C1RSABXL-26CK20	EPIC MB08C1RSABXL-26RK20
		7433500643	7433500645	7433500647	7433500649
	5 m	EPIC MB08C1LSABXL-26CK50	EPIC MB08C1LSABXL-26RK50	EPIC MB08C1RSABXL-26CK50	EPIC MB08C1RSABXL-26RK50
		7433500644	7433500646	7433500648	7433500650

Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

M8 Female Connector, Molded Cable, Big Model , Free End



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended: 0.2 Nm , Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (24AWG) / 0.14mm <sup>2</sup> (26AWG)		0.14mm <sup>2</sup> (AWG 26)		
Cable outlet	Max. 9.0mm				
Rated temperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80				
Insulation resistance	>100MΩ				
Contact resistance	<5mΩ				
Over-molding	TPU				
Contacts carrier	TPU+GF				
Screw nut	Brass				
Contacts	Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSABXL-24CK20	EPIC MB03C2LSABXL-24RK20	EPIC MB03C2RSABXL-24CK20	EPIC MB03C2RSABXL-24RK20
		7433500651	7433500653	7433500655	7433500657
	5 m	EPIC MB03C2LSABXL-24CK50	EPIC MB03C2LSABXL-24RK50	EPIC MB03C2RSABXL-24CK50	EPIC MB03C2RSABXL-24RK50
		7433500652	7433500654	7433500656	7433500658
4 Pin	2 m	EPIC MB04C2LSABXL-24CK20	EPIC MB04C2LSABXL-24RK20	EPIC MB04C2RSABXL-24CK20	EPIC MB04C2RSABXL-24RK20
		7433500659	7433500661	7433500663	7433500665
	5 m	EPIC MB04C2LSABXL-24CK50	EPIC MB04C2LSABXL-24RK50	EPIC MB04C2RSABXL-24CK50	EPIC MB04C2RSABXL-24RK50
		7433500660	7433500662	7433500664	7433500666
5 Pin	2 m	EPIC MB05C2LSABXL-24CK20	EPIC MB05C2LSABXL-24RK20	EPIC MB05C2RSABXL-24CK20	EPIC MB05C2RSABXL-24RK20
		7433500667	7433500669	7433500671	7433500673
	5 m	EPIC MB05C2LSABXL-24CK50	EPIC MB05C2LSABXL-24RK50	EPIC MB05C2RSABXL-24CK50	EPIC MB05C2RSABXL-24RK50
		7433500668	7433500670	7433500672	7433500674
6 Pin	2 m	EPIC MB06C2LSABXL-26CK20	EPIC MB06C2LSABXL-26RK20	EPIC MB06C2RSABXL-26CK20	EPIC MB06C2RSABXL-26RK20
		7433500675	7433500677	7433500679	7433500681
	5 m	EPIC MB06C2LSABXL-26CK50	EPIC MB06C2LSABXL-26RK50	EPIC MB06C2RSABXL-26CK50	EPIC MB06C2RSABXL-26RK50
		7433500676	7433500678	7433500680	7433500682
8 Pin	2 m	EPIC MB08C2LSABXL-26CK20	EPIC MB08C2LSABXL-26RK20	EPIC MB08C2RSABXL-26CK20	EPIC MB08C2RSABXL-26RK20
		7433500683	7433500685	7433500687	7433500689
	5 m	EPIC MB08C2LSABXL-26CK50	EPIC MB08C2LSABXL-26RK50	EPIC MB08C2RSABXL-26CK50	EPIC MB08C2RSABXL-26RK50
		7433500684	7433500686	7433500688	7433500690

Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD
Shell	Braid				

M8 Male Connector, Molded Cable, Plastic Screws, Free End



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw				
Tightening torque	Recommended: 0.2 Nm , Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (24AWG) / 0.14mm <sup>2</sup> (26AWG)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible : -25 ~ 80°C, Static : -40 ~ 80°C				
Insulation resistance	> 100MQ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	TPU+GF				
Screw nut	PA6				
Contacts	Brass				
Contacts plating	Au (Gold)				
O-Ring	N / A				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C1LSAP-24CK20 7433500691	EPIC MB03C1LSAP-24RK20 7433500693	EPIC MB03C1RSAP-24CK20 7433500695	EPIC MB03C1RSAP-24RK20 7433500697
	5 m	EPIC MB03C1LSAP-24CK50 7433500692	EPIC MB03C1LSAP-24RK50 7433500694	EPIC MB03C1RSAP-24CK50 7433500696	EPIC MB03C1RSAP-24RK50 7433500698
4 Pin	2 m	EPIC MB04C1LSAP-24CK20 7433500699	EPIC MB04C1LSAP-24RK20 7433500701	EPIC MB04C1RSAP-24CK20 7433500703	EPIC MB04C1RSAP-24RK20 7433500705
	5 m	EPIC MB04C1LSAP-24CK50 7433500700	EPIC MB04C1LSAP-24RK50 7433500702	EPIC MB04C1RSAP-24CK50 7433500704	EPIC MB04C1RSAP-24RK50 7433500706
5 Pin	2 m	EPIC MB05C1LSBP-24CK20 7433500707	EPIC MB05C1LSBP-24RK20 7433500709	EPIC MB05C1RSBP-24CK20 7433500711	EPIC MB05C1RSBP-24RK20 7433500713
	5 m	EPIC MB05C1LSBP-24CK50 7433500708	EPIC MB05C1LSBP-24RK50 7433500710	EPIC MB05C1RSBP-24CK50 7433500712	EPIC MB05C1RSBP-24RK50 7433500714
6 Pin	2 m	EPIC MB06C1LSAP-26CK20 7433500715	EPIC MB06C1LSAP-26RK20 7433500717	EPIC MB06C1RSAP-26CK20 7433500719	EPIC MB06C1RSAP-26RK20 7433500721
	5 m	EPIC MB06C1LSAP-26CK50 7433500716	EPIC MB06C1LSAP-26RK50 7433500718	EPIC MB06C1RSAP-26CK50 7433500720	EPIC MB06C1RSAP-26RK50 7433500722
8 Pin	2 m	EPIC MB08C1LSAP-26CK20 7433500723	EPIC MB08C1LSAP-26RK20 7433500725	EPIC MB08C1RSAP-26CK20 7433500727	EPIC MB08C1RSAP-26RK20 7433500729
	5 m	EPIC MB08C1LSAP-26CK50 7433500724	EPIC MB08C1LSAP-26RK50 7433500726	EPIC MB08C1RSAP-26CK50 7433500728	EPIC MB08C1RSAP-26RK50 7433500730

Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 Female Connector, Molded Cable, Plastic Screws, Free End



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw				
Tightening torque	Recommended: 0.2 Nm , Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (24AWG) / 0.14mm <sup>2</sup> (26AWG)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible : -25 ~ 80°C, Static : -40 ~ 80°C				
Insulation resistance	> 100MQ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	TPU+GF				
Screw nut	PA6				
Contacts	Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C2LSAP-24CK20 7433500731	EPIC MB03C2LSAP-24RK20 7433500733	EPIC MB03C2RSAP-24CK20 7433500735	EPIC MB03C2RSAP-24RK20 7433500737
	5 m	EPIC MB03C2LSAP-24CK50 7433500732	EPIC MB03C2LSAP-24RK50 7433500734	EPIC MB03C2RSAP-24CK50 7433500736	EPIC MB03C2RSAP-24RK50 7433500738
4 Pin	2 m	EPIC MB04C2LSAP-24CK20 7433500739	EPIC MB04C2LSAP-24RK20 7433500741	EPIC MB04C2RSAP-24CK20 7433500743	EPIC MB04C2RSAP-24RK20 7433500745
	5 m	EPIC MB04C2LSAP-24CK50 7433500740	EPIC MB04C2LSAP-24RK50 7433500742	EPIC MB04C2RSAP-24CK50 7433500744	EPIC MB04C2RSAP-24RK50 7433500746
5 Pin	2 m	EPIC MB05C2LSBP-24CK20 7433500747	EPIC MB05C2LSBP-24RK20 7433500749	EPIC MB05C2RSBP-24CK20 7433500751	EPIC MB05C2RSBP-24RK20 7433500753
	5 m	EPIC MB05C2LSBP-24CK50 7433500748	EPIC MB05C2LSBP-24RK50 7433500750	EPIC MB05C2RSBP-24CK50 7433500752	EPIC MB05C2RSBP-24RK50 7433500754
6 Pin	2 m	EPIC MB06C2LSAP-26CK20 7433500755	EPIC MB06C2LSAP-26RK20 7433500757	EPIC MB06C2RSAP-26CK20 7433500759	EPIC MB06C2RSAP-26RK20 7433500761
	5 m	EPIC MB06C2LSAP-26CK50 7433500756	EPIC MB06C2LSAP-26RK50 7433500758	EPIC MB06C2RSAP-26CK50 7433500760	EPIC MB06C2RSAP-26RK50 7433500762
8 Pin	2 m	EPIC MB08C2LSAP-26CK20 7433500763	EPIC MB08C2LSAP-26RK20 7433500765	EPIC MB08C2RSAP-26CK20 7433500767	EPIC MB08C2RSAP-26RK20 7433500769
	5 m	EPIC MB08C2LSAP-26CK50 7433500764	EPIC MB08C2LSAP-26RK50 7433500766	EPIC MB08C2RSAP-26CK50 7433500768	EPIC MB08C2RSAP-26RK50 7433500770

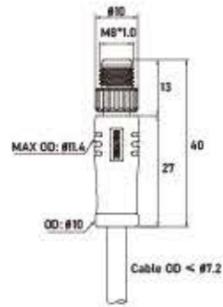
Cable's Color Coding & Wiring					
Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

## M8 D-Code, Shielded

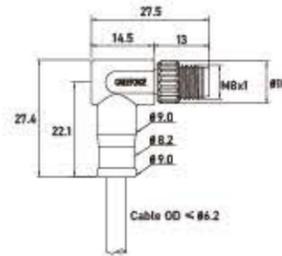


M8 Male Connector, Molded Cable, 360° EMI-shielded, Free End

180° Straight



90° Right Angled



### Connector Technical data

Contacts No. Pin	4Pin
Front View	
Reference standard	IEC 61076-2-114
Rated current	4A
Rated voltage	60V
Impulse voltage	500V
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended: 0.2 Nm Max: 0.4 Nm
Termination	Soldering
Wire gauge	0.34~0.14mm <sup>2</sup> (22~26AWG)
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C
Insulation resistance	>100MΩ
Contact resistance	<5mΩ
Over-molding	TPU
Contacts carrier	PA66+GF
Screw nut	Brass, CNC, nickel-plated
Contacts Pin	Brass
Contacts plating	Au (Gold)
O-Ring	N / A
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MB04C1L8D8B-22CG10-PFN	EPIC MB04C1L8D8B-22RG10-PFN	EPIC MB04C1R8D8B-22CG10-PFN	EPIC MB04C1R8D8B-22RG10-PFN
		7433500771	7433500776	7433500781	7433500786
	2 m	EPIC MB04C1L8D8B-22CG20-PFN	EPIC MB04C1L8D8B-22RG20-PFN	EPIC MB04C1R8D8B-22CG20-PFN	EPIC MB04C1R8D8B-22RG20-PFN
		7433500772	7433500777	7433500782	7433500787
	3 m	EPIC MB04C1L8D8B-22CG30-PFN	EPIC MB04C1L8D8B-22RG30-PFN	EPIC MB04C1R8D8B-22CG30-PFN	EPIC MB04C1R8D8B-22RG30-PFN
		7433500773	7433500778	7433500783	7433500788
	5 m	EPIC MB04C1L8D8B-22CG50-PFN	EPIC MB04C1L8D8B-22RG50-PFN	EPIC MB04C1R8D8B-22CG50-PFN	EPIC MB04C1R8D8B-22RG50-PFN
		7433500774	7433500779	7433500784	7433500789
10 m	EPIC MB04C1L8D8B-22CG100-PFN	EPIC MB04C1L8D8B-22RG100-PFN	EPIC MB04C1R8D8B-22CG100-PFN	EPIC MB04C1R8D8B-22RG100-PFN	
	7433500775	7433500780	7433500785	7433500790	

### Cable's Color Coding & Wiring

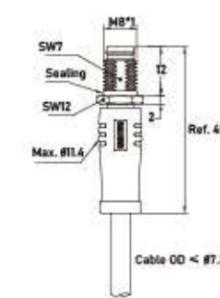
Poles & Wire Color Pin		
Pin 1	YE	WH/OR
Pin 2	WH	WH/GN
Pin 3	OR	GN
Pin 4	BU	GN
Shell	Braid	Braid

## M8 Panel Mount Connector, Molded with Cable

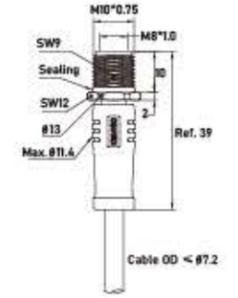


M8 Panel Mount Connectors, Molded Cable, Free End

Male



Female



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0mm screw M8				
Tightening torque	Recommended: 0.2 Nm Max: 0.4 Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (24AWG) 0.14mm <sup>2</sup> (26AWG)			0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	Flexible : -25 ~ 80; Static : -40 ~ 80				
Insulation resistance	>100MΩ				
Contact resistance	<5mΩ				
Over-molding	TPU				
Contacts carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Brass / Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

### Ordering No.

Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03P9L8AB-24CK20	EPIC MB03P9L8AB-24RK20	EPIC MB03P8L8AB-24CK20	EPIC MB03P8L8AB-24RK20
		74335448	74335458	74335468	74335478
4 Pin	2 m	EPIC MB04P9L8AB-24CK20	EPIC MB04P9L8AB-24RK20	EPIC MB04P8L8AB-24CK20	EPIC MB04P8L8AB-24RK20
		74335449	74335459	74335469	74335479
5 Pin	2 m	EPIC MB05P9L8AB-24CK20	EPIC MB05P9L8AB-24RK20	EPIC MB05P8L8AB-24CK20	EPIC MB05P8L8AB-24RK20
		74335450	74335460	74335470	74335480
6 Pin	2 m	EPIC MB06P9L8AB-26CK20	EPIC MB06P9L8AB-26RK20	EPIC MB06P8L8AB-26CK20	EPIC MB06P8L8AB-26RK20
		74335451	74335461	74335471	74335481
8 Pin	2 m	EPIC MB08P9L8AB-26CK20	EPIC MB08P9L8AB-26RK20	EPIC MB08P8L8AB-26CK20	EPIC MB08P8L8AB-26RK20
		74335455	74335465	74335475	74335485

### Cable's Color Coding & Wiring

Poles & Wire Color Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2	WH	WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD



M8 Male/ Female, Field Wireable Connector



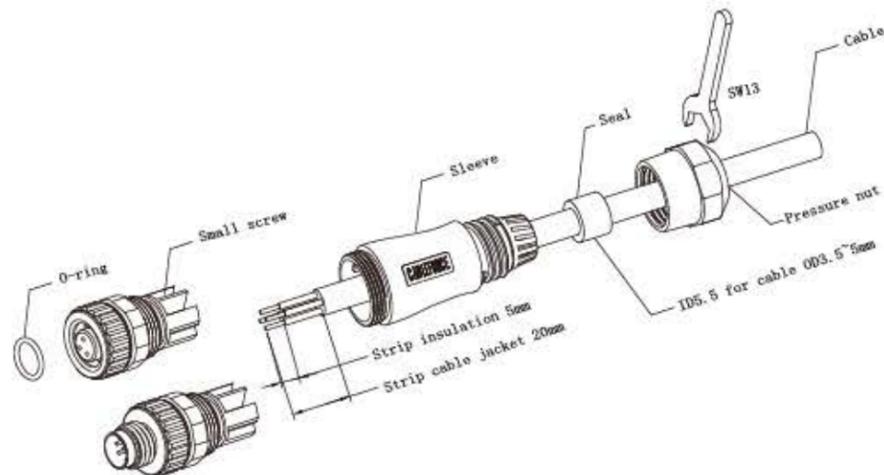
Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0mm screw	
Tightening torque	Recommended: 0.2Nm, Max: 0.4Nm, Wire screw: 0.1Nm, Cable gland: 0.3-0.8Nm	
Termination	Screw fixing	
Wire gauge	0.25-0.34mm <sup>2</sup> (AWG24-22)	
Cable outlet	3.5-5mm	
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Connector body	PA6	
Contacts carrier	PA66	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass / phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	
EMC Shielding	Non-Shielded	

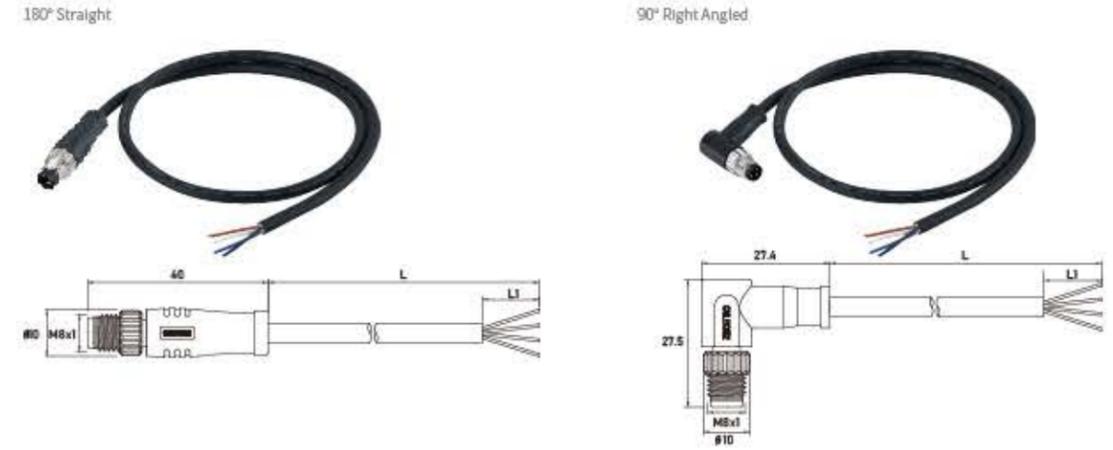
Ordering No.

Poles	Male	Female
3 Pin	EPIC MB03A1LWAB 7433506951	EPIC MB03A2LWAB 7433506952
4 Pin	EPIC MB04A1LWAB 7433506953	EPIC MB04A2LWAB 7433506954

Assembly Instruction



M8 A-Code, Male, molded cable, pigtail



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A			1.5A	
Rated voltage	60V			30V	
Impulse voltage	1500V			500V	
Locking system	M8x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm <sup>2</sup> (AWG 24)				0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MB03C1LSAB24CK10-630 7433500799	EPIC MB03C1LSAB24RK10-630 7433500801	EPIC MB03C1RSAB24CK10-630 7433500803	EPIC MB03C1RSAB24RK10-630 7433500805
	2 m	EPIC MB03C1LSAB24CK20-630 7433500800	EPIC MB03C1LSAB24RK20-630 7433500802	EPIC MB03C1RSAB24CK20-630 7433500804	EPIC MB03C1RSAB24RK20-630 7433500806
4 Pin	1 m	EPIC MB04C1LSAB24CK10-630 7433500807	EPIC MB04C1LSAB24RK10-630 7433500809	EPIC MB04C1RSAB24CK10-630 7433500811	EPIC MB04C1RSAB24RK10-630 7433500813
	2 m	EPIC MB04C1LSAB24CK20-630 7433500808	EPIC MB04C1LSAB24RK20-630 7433500810	EPIC MB04C1RSAB24CK20-630 7433500812	EPIC MB04C1RSAB24RK20-630 7433500814
5 Pin	1 m	EPIC MB05C1LSBB24CK10-630 7433500815	EPIC MB05C1LSBB24RK10-630 7433500817	EPIC MB05C1RSBB24CK10-630 7433500819	EPIC MB05C1RSBB24RK10-630 7433500821
	2 m	EPIC MB05C1LSBB24CK20-630 7433500816	EPIC MB05C1LSBB24RK20-630 7433500818	EPIC MB05C1RSBB24CK20-630 7433500820	EPIC MB05C1RSBB24RK20-630 7433500822
6 Pin	1 m	EPIC MB06C1LSAB26CK10-630 7433500823	EPIC MB06C1LSAB26RK10-630 7433500825	EPIC MB06C1RSAB26CK10-630 7433500827	EPIC MB06C1RSAB26RK10-630 7433500829
	2 m	EPIC MB06C1LSAB26CK20-630 7433500824	EPIC MB06C1LSAB26RK20-630 7433500826	EPIC MB06C1RSAB26CK20-630 7433500828	EPIC MB06C1RSAB26RK20-630 7433500830
8 Pin	1 m	EPIC MB08C1LSAB26CK10-630 7433500831	EPIC MB08C1LSAB26RK10-630 7433500833	EPIC MB08C1RSAB26CK10-630 7433500835	EPIC MB08C1RSAB26RK10-630 7433500837
	2 m	EPIC MB08C1LSAB26CK20-630 7433500832	EPIC MB08C1LSAB26RK20-630 7433500834	EPIC MB08C1RSAB26CK20-630 7433500836	EPIC MB08C1RSAB26RK20-630 7433500838

Wiring Diagram

3Pin Wire List		4Pin Wire List		5Pin Wire List		6Pin Wire List		8Pin Wire List	
PIN 1	Brown (AWG 24)	PIN 1	White (AWG 24)						
PIN 2	Blue (AWG 24)	PIN 2	White (AWG 24)	PIN 2	White (AWG 24)	PIN 2	White (AWG 24)	PIN 2	Green (AWG 24)
PIN 3	Black (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Brown (AWG 24)
		PIN 4	Black (AWG 24)	PIN 4	Black (AWG 24)	PIN 4	Black (AWG 24)	PIN 4	Yellow (AWG 24)
				PIN 5	Gray (AWG 24)	PIN 5	Gray (AWG 24)	PIN 5	Gray (AWG 24)
						PIN 6	Pink (AWG 25)	PIN 6	Pink (AWG 25)
								PIN 7	Blue (AWG 25)
								PIN 8	Red (AWG 25)

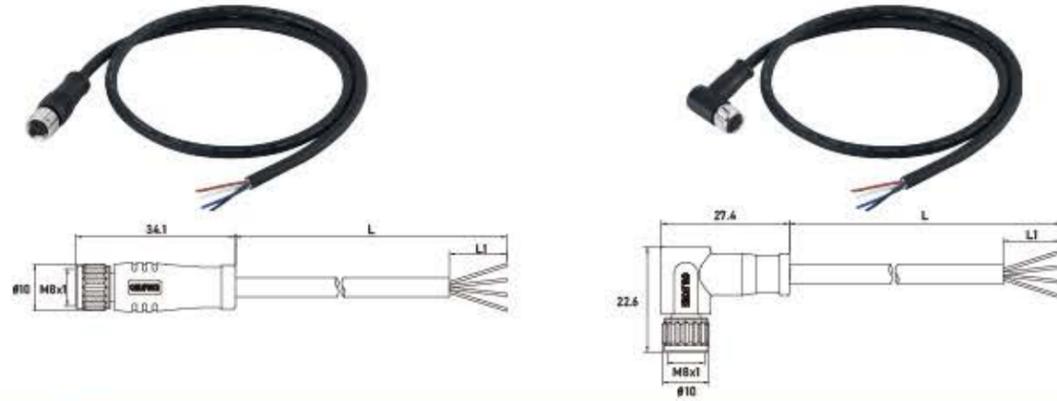
# M8 Connecting Cable



M8 A-Code, female, molded cable, pigtail

180° Straight

90° Right Angled



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw				
Tightening Torque	Recommend: 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)		0.14mm² (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MB03C2LSAB24CK10-630 7433500839	EPIC MB03C2LSAB24RK10-630 7433500841	EPIC MB03C2RSAB24CK10-630 7433500843	EPIC MB03C2RSAB24RK10-630 7433500845
	2 m	EPIC MB03C2LSAB24CK20-630 7433500840	EPIC MB03C2LSAB24RK20-630 7433500842	EPIC MB03C2RSAB24CK20-630 7433500844	EPIC MB03C2RSAB24RK20-630 7433500846
4 Pin	1 m	EPIC MB04C2LSAB24CK10-630 7433500847	EPIC MB04C2LSAB24RK10-630 7433500849	EPIC MB04C2RSAB24CK10-630 7433500851	EPIC MB04C2RSAB24RK10-630 7433500853
	2 m	EPIC MB04C2LSAB24CK20-630 7433500848	EPIC MB04C2LSAB24RK20-630 7433500850	EPIC MB04C2RSAB24CK20-630 7433500852	EPIC MB04C2RSAB24RK20-630 7433500854
5 Pin	1 m	EPIC MB05C2LSBB24CK10-630 7433500855	EPIC MB05C2LSBB24RK10-630 7433500857	EPIC MB05C2RSBB24CK10-630 7433500859	EPIC MB05C2RSBB24RK10-630 7433500861
	2 m	EPIC MB05C2LSBB24CK20-630 7433500856	EPIC MB05C2LSBB24RK20-630 7433500858	EPIC MB05C2RSBB24CK20-630 7433500860	EPIC MB05C2RSBB24RK20-630 7433500862
6 Pin	1 m	EPIC MB06C2LSAB26CK10-630 7433500863	EPIC MB06C2LSAB26RK10-630 7433500865	EPIC MB06C2RSAB26CK10-630 7433500867	EPIC MB06C2RSAB26RK10-630 7433500869
	2 m	EPIC MB06C2LSAB26CK20-630 7433500864	EPIC MB06C2LSAB26RK20-630 7433500866	EPIC MB06C2RSAB26CK20-630 7433500868	EPIC MB06C2RSAB26RK20-630 7433500870
8 Pin	1 m	EPIC MB08C2LSAB26CK10-630 7433500871	EPIC MB08C2LSAB26RK10-630 7433500873	EPIC MB08C2RSAB26CK10-630 7433500875	EPIC MB08C2RSAB26RK10-630 7433500877
	2 m	EPIC MB08C2LSAB26CK20-630 7433500872	EPIC MB08C2LSAB26RK20-630 7433500874	EPIC MB08C2RSAB26CK20-630 7433500876	EPIC MB08C2RSAB26RK20-630 7433500878

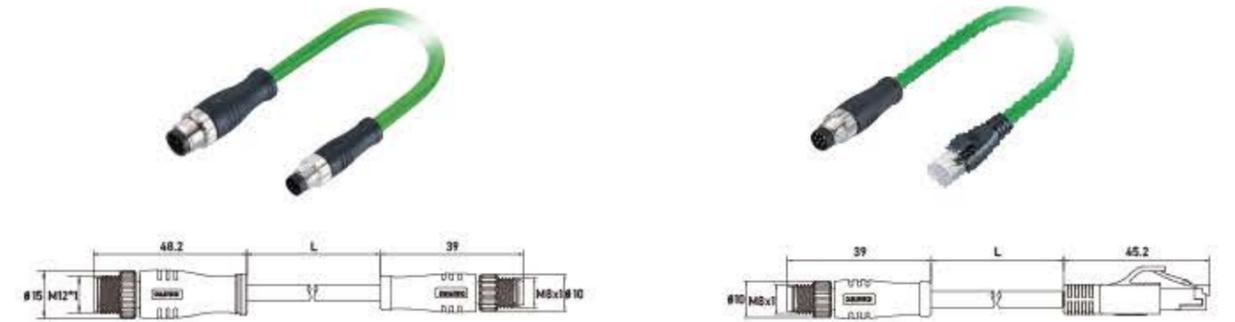
### Wiring Diagram

3Pin Wire List		4Pin Wire List		5Pin Wire List		6Pin Wire List		8Pin Wire List	
PIN 1	Brown (AWG 24)								
PIN 2	Blue (AWG 24)	PIN 2	White (AWG 24)	PIN 2	White (AWG 24)	PIN 2	White (AWG 24)	PIN 2	White (AWG 24)
PIN 3	Black (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Blue (AWG 24)	PIN 3	Blue (AWG 24)
		PIN 4	Black (AWG 24)						
				PIN 5	Gray (AWG 24)	PIN 5	Gray (AWG 24)	PIN 5	Gray (AWG 24)
						PIN 6	Pink (AWG 25)	PIN 6	Pink (AWG 25)
								PIN 7	Blue (AWG 25)
								PIN 8	Red (AWG 25)

# M8 Ethernet/ Profinet Cable



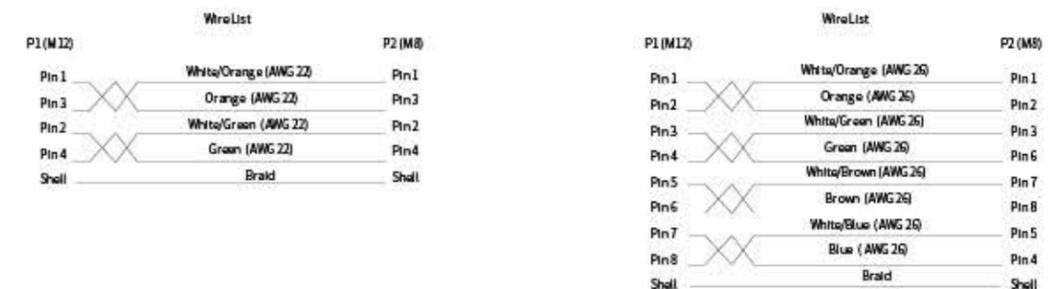
M8 Male to M12 D-Code male or RJ45 male connector, molded Cat 5E S/FTP 360° EMC-shielded cable



Connector Technical data				
Contacts No.	4Pin	M12 Male	8Pin	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-104			
Rated current	3A	4A	1.5A	
Rated voltage	60V	250V	30V	
Impulse voltage	1500V	500V		
Locking system	M12 x 1.0 screw, M8 x 1.0 screw			
Termination	Soldering			
Cable specification	0.34mm² (AWG 22)			
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU+GF / PC			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	N/A			
Protection degree	IP67			
Pollution degree	3			

Ordering No.					
Poles	Cable length	M8 Male - M12 Male 4Pin M8-M12		M8 Male - RJ45 Male M8-RJ45	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	0.3 m	EPIC MB04C1-M04C1LSDB822C003-CSE 7433500879	EPIC MB04C1-M04C1LSDB822R003-CSE 7433500884		
	1.0 m	EPIC MB04C1-M04C1LSDB822C010-CSE 7433500880	EPIC MB04C1-M04C1LSDB822R010-CSE 7433500885		
	1.5 m	EPIC MB04C1-M04C1LSDB822C015-CSE 7433500881	EPIC MB04C1-M04C1LSDB822R015-CSE 7433500886		
	2.0 m	EPIC MB04C1-M04C1LSDB822C020-CSE 7433500882	EPIC MB04C1-M04C1LSDB822R020-CSE 7433500887		
	3.5 m	EPIC MB04C1-M04C1LSDB822C035-CSE 7433500883	EPIC MB04C1-M04C1LSDB822R035-CSE 7433500888		
8 Pin	0.3 m			EPIC MB08C1-RJ45C1LSAB826C003-CSE 7433500889	EPIC MB08C1-RJ45C1LSAB826R003-CSE 74335490
	1.0 m			EPIC MB08C1-RJ45C1LSAB826C010-CSE 7433500890	EPIC MB08C1-RJ45C1LSAB826R010-CSE 74335491
	1.5 m			EPIC MB08C1-RJ45C1LSAB826C015-CSE 7433500891	EPIC MB08C1-RJ45C1LSAB826R015-CSE 74335492
	2.0 m			EPIC MB08C1-RJ45C1LSAB826C020-CSE 7433500892	EPIC MB08C1-RJ45C1LSAB826R020-CSE 74335493
	3.5 m			EPIC MB08C1-RJ45C1LSAB826C035-CSE 7433500893	EPIC MB08C1-RJ45C1LSAB826R035-CSE 74335494

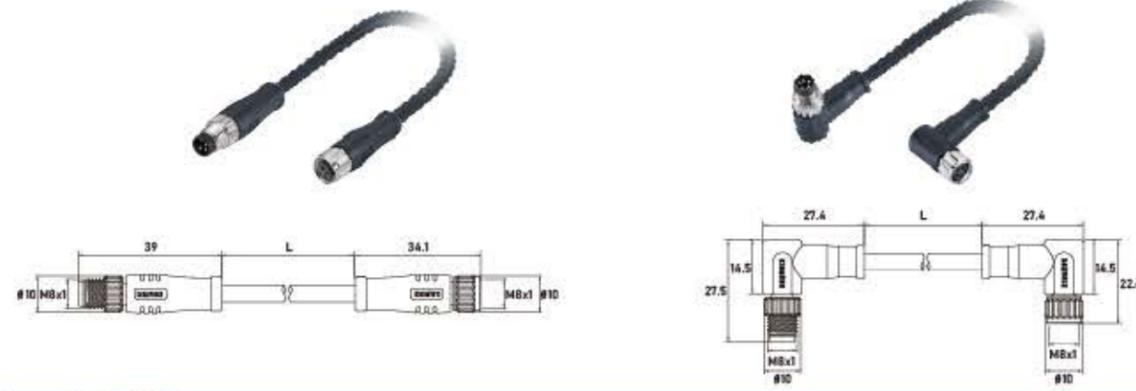
### Wiring Diagram



## M8 Connecting Cable



M8 A-Code, male to female, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw				
Tightening Torque	Recommend:0.2Nm, Max:0.4Nm				
Termination	Soldering				
Cable specification	0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

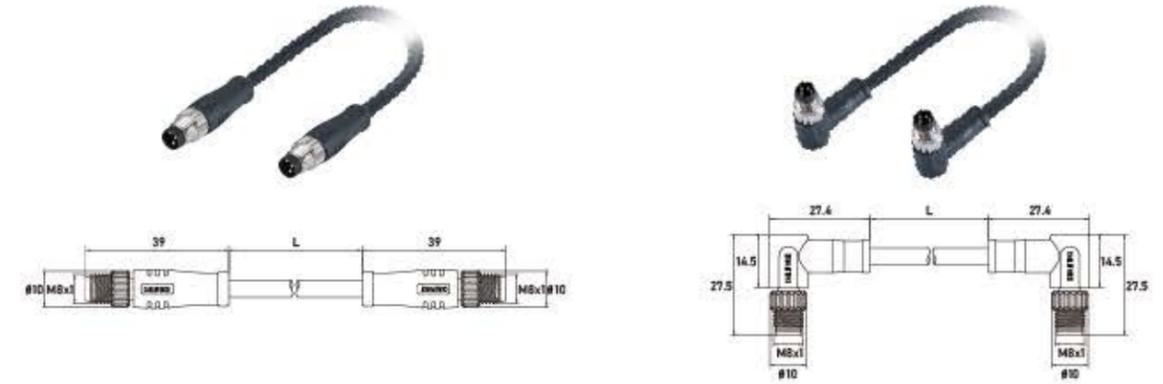
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C3LSAB24CK20	EPIC MB03C3LSAB24RK20	EPIC MB03C3RSAB24CK20	EPIC MB03C3RSAB24RK20
		7433500934	7433500936	7433500938	7433500940
	5 m	EPIC MB03C3LSAB24CK50	EPIC MB03C3LSAB24RK50	EPIC MB03C3RSAB24CK50	EPIC MB03C3RSAB24RK50
		7433500935	7433500937	7433500939	7433500941
4 Pin	2 m	EPIC MB04C3LSAB24CK20	EPIC MB04C3LSAB24RK20	EPIC MB04C3RSAB24CK20	EPIC MB04C3RSAB24RK20
		7433500942	7433500944	7433500946	7433500948
	5 m	EPIC MB04C3LSAB24CK50	EPIC MB04C3LSAB24RK50	EPIC MB04C3RSAB24CK50	EPIC MB04C3RSAB24RK50
		7433500943	7433500945	7433500947	7433500949
5 Pin	2 m	EPIC MB05C3LSAB24CK20	EPIC MB05C3LSAB24RK20	EPIC MB05C3RSAB24CK20	EPIC MB05C3RSAB24RK20
		7433500950	7433500952	7433500954	7433500956
	5 m	EPIC MB05C3LSAB24CK50	EPIC MB05C3LSAB24RK50	EPIC MB05C3RSAB24CK50	EPIC MB05C3RSAB24RK50
		7433500951	7433500953	7433500955	7433500957
6 Pin	2 m	EPIC MB06C3LSAB26CK20	EPIC MB06C3LSAB26RK20	EPIC MB06C3RSAB26CK20	EPIC MB06C3RSAB26RK20
		7433500958	7433500960	7433500962	7433500964
	5 m	EPIC MB06C3LSAB26CK50	EPIC MB06C3LSAB26RK50	EPIC MB06C3RSAB26CK50	EPIC MB06C3RSAB26RK50
		7433500959	7433500961	7433500963	7433500965
8 Pin	2 m	EPIC MB08C3LSAB26CK20	EPIC MB08C3LSAB26RK20	EPIC MB08C3RSAB26CK20	EPIC MB08C3RSAB26RK20
		7433500966	7433500968	7433500970	7433500972
	5 m	EPIC MB08C3LSAB26CK50	EPIC MB08C3LSAB26RK50	EPIC MB08C3RSAB26CK50	EPIC MB08C3RSAB26RK50
		7433500967	7433500969	7433500971	7433500973



## M8 Connecting Cable



M8 A-Code, male to male, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend:0.2Nm, Max:0.4Nm				
Termination	Soldering				
Cable specification	0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

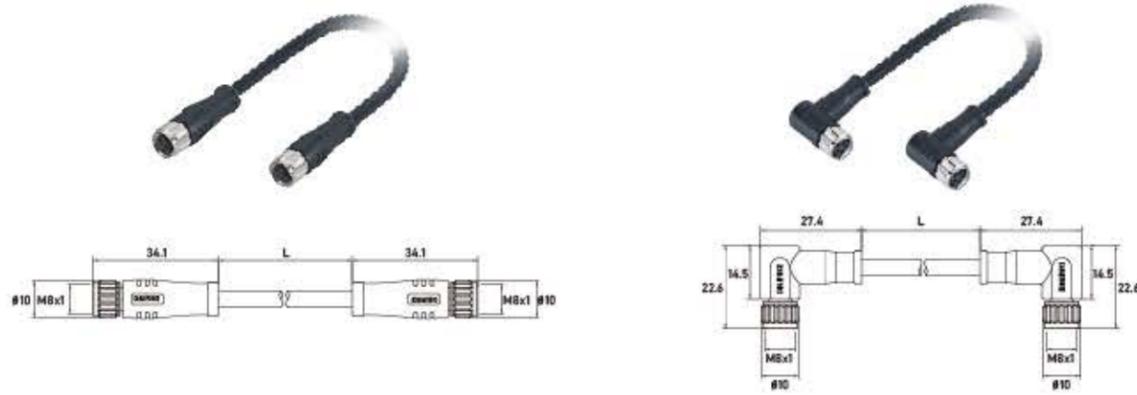
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C3LSAB24CK20	EPIC MB03C3LSAB24RK20	EPIC MB03C3RSAB24CK20	EPIC MB03C3RSAB24RK20
		7433500934	7433500936	7433500938	7433500940
	5 m	EPIC MB03C3LSAB24CK50	EPIC MB03C3LSAB24RK50	EPIC MB03C3RSAB24CK50	EPIC MB03C3RSAB24RK50
		7433500935	7433500937	7433500939	7433500941
4 Pin	2 m	EPIC MB04C3LSAB24CK20	EPIC MB04C3LSAB24RK20	EPIC MB04C3RSAB24CK20	EPIC MB04C3RSAB24RK20
		7433500942	7433500944	7433500946	7433500948
	5 m	EPIC MB04C3LSAB24CK50	EPIC MB04C3LSAB24RK50	EPIC MB04C3RSAB24CK50	EPIC MB04C3RSAB24RK50
		7433500943	7433500945	7433500947	7433500949
5 Pin	2 m	EPIC MB05C3LSAB24CK20	EPIC MB05C3LSAB24RK20	EPIC MB05C3RSAB24CK20	EPIC MB05C3RSAB24RK20
		7433500950	7433500952	7433500954	7433500956
	5 m	EPIC MB05C3LSAB24CK50	EPIC MB05C3LSAB24RK50	EPIC MB05C3RSAB24CK50	EPIC MB05C3RSAB24RK50
		7433500951	7433500953	7433500955	7433500957
6 Pin	2 m	EPIC MB06C3LSAB26CK20	EPIC MB06C3LSAB26RK20	EPIC MB06C3RSAB26CK20	EPIC MB06C3RSAB26RK20
		7433500958	7433500960	7433500962	7433500964
	5 m	EPIC MB06C3LSAB26CK50	EPIC MB06C3LSAB26RK50	EPIC MB06C3RSAB26CK50	EPIC MB06C3RSAB26RK50
		7433500959	7433500961	7433500963	7433500965
8 Pin	2 m	EPIC MB08C3LSAB26CK20	EPIC MB08C3LSAB26RK20	EPIC MB08C3RSAB26CK20	EPIC MB08C3RSAB26RK20
		7433500966	7433500968	7433500970	7433500972
	5 m	EPIC MB08C3LSAB26CK50	EPIC MB08C3LSAB26RK50	EPIC MB08C3RSAB26CK50	EPIC MB08C3RSAB26RK50
		7433500967	7433500969	7433500971	7433500973



# M8 Connecting Cable



M8 A-Code, female to female, double ended, molded cable, 360° EMI-Shielded



# M8 A-Code, B-Code



M8 A-Code male panel connector, front/ rear mount, with single wires



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8x 1.0 screw				
Tightening Torque	Recommend 0.2Nm, Max: 0.4Nm				
Termination	Soldering				
Cable specification	0.25mm² (AWG 24)				
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C4L8A8B24CK20	EPIC MB03C4L8A8B24RK20	EPIC MB03C4R8A8B24CK20	EPIC MB03C4R8A8B24RK20
		7433500974	7433500976	7433500978	7433500980
	5 m	EPIC MB03C4L8A8B24CK50	EPIC MB03C4L8A8B24RK50	EPIC MB03C4R8A8B24CK50	EPIC MB03C4R8A8B24RK50
		7433500975	7433500977	7433500979	7433500981
4 Pin	2 m	EPIC MB04C4L8A8B24CK20	EPIC MB04C4L8A8B24RK20	EPIC MB04C4R8A8B24CK20	EPIC MB04C4R8A8B24RK20
		7433500982	7433500984	7433500986	7433500988
	5 m	EPIC MB04C4L8A8B24CK50	EPIC MB04C4L8A8B24RK50	EPIC MB04C4R8A8B24CK50	EPIC MB04C4R8A8B24RK50
		7433500983	7433500985	7433500987	7433500989
5 Pin	2 m	EPIC MB05C4L8B8B24CK20	EPIC MB05C4L8B8B24RK20	EPIC MB05C4R8B8B24CK20	EPIC MB05C4R8B8B24RK20
		7433500990	7433500992	7433500994	7433500996
	5 m	EPIC MB05C4L8B8B24CK50	EPIC MB05C4L8B8B24RK50	EPIC MB05C4R8B8B24CK50	EPIC MB05C4R8B8B24RK50
		7433500991	7433500993	7433500995	7433500997
6 Pin	2 m	EPIC MB06C4L8A8B26CK20	EPIC MB06C4L8A8B26RK20	EPIC MB06C4R8A8B26CK20	EPIC MB06C4R8A8B26RK20
		7433500998	7433501000	7433501002	7433501004
	5 m	EPIC MB06C4L8A8B26CK50	EPIC MB06C4L8A8B26RK50	EPIC MB06C4R8A8B26CK50	EPIC MB06C4R8A8B26RK50
		7433500999	7433501001	7433501003	7433501005
8 Pin	2 m	EPIC MB08C4L8A8B26CK20	EPIC MB08C4L8A8B26RK20	EPIC MB08C4R8A8B26CK20	EPIC MB08C4R8A8B26RK20
		7433501006	7433501008	7433501010	7433501012
	5 m	EPIC MB08C4L8A8B26CK50	EPIC MB08C4L8A8B26RK50	EPIC MB08C4R8A8B26CK50	EPIC MB08C4R8A8B26RK50
		7433501007	7433501009	7433501011	7433501013

Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend 0.3Nm, Max: 0.6Nm				
Termination	Soldering				
Wire gauge	0.25mm² (AWG 24)				
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

Ordering No.					
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		M8x1.0 Chassis Side Thread	M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	0.2 m	EPIC MB03P1LSAB24W02	EPIC MB03P1LSAB24W02	EPIC MB03P3LSAB10.7-24W02	EPIC MB03P3LSAB10.7-24W02
	0.5 m	7433505256	7433505257	7433505258	7433505260
4 Pin	0.2 m	EPIC MB04P1LSAB24W02	EPIC MB04P1LSAB24W02	EPIC MB04P3LSAB10.7-24W02	EPIC MB04P3LSAB10.7-24W02
	0.5 m	7433505257	7433505258	7433505259	7433505261
5 Pin	0.2 m	EPIC MB05P1LSAB24W02	EPIC MB05P1LSAB24W02	EPIC MB05P3LSAB10.7-24W02	EPIC MB05P3LSAB10.7-24W02
	0.5 m	7433505258	7433505259	7433505270	7433505272
6 Pin	0.2 m	EPIC MB06P1LSAB26W02	EPIC MB06P1LSAB26W02	EPIC MB06P3LSAB10.7-26W02	EPIC MB06P3LSAB10.7-26W02
	0.5 m	74335557	74335558	74335561	74335565
8 Pin	0.2 m	EPIC MB08P1LSAB26W02	EPIC MB08P1LSAB26W02	EPIC MB08P3LSAB10.7-26W02	EPIC MB08P3LSAB10.7-26W02
	0.5 m	74335559	74335560	74335564	74335568

Wires' Color Coding					
Poles & Wire Color /Pin	3Pin	4Pin	5Pin	6Pin	8Pin
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD



M8 A-Code Female panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend:0.3Nm, Max:0.6Nm				
Termination	Soldering				
Wire gauge	0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread	M8x0.5 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	0.2 m	EPIC MB03P2LSAB24W02 7433505274	EPIC MB03P4LSAB24W02 7433505276	EPIC MB03P4LSAB10.7-24W02 7433505278	EPIC MB03P4LSAB24W05 7433505277	EPIC MB03P4LSAB10.7-24W05 7433505279	
	0.5 m	EPIC MB03P2LSAB24W05 7433505275	EPIC MB03P4LSAB24W05 7433505276	EPIC MB03P4LSAB10.7-24W05 7433505278	EPIC MB03P4LSAB24W05 7433505277	EPIC MB03P4LSAB10.7-24W05 7433505279	
4 Pin	0.2 m	EPIC MB04P2LSAB24W02 7433505280	EPIC MB04P4LSAB24W02 7433505282	EPIC MB04P4LSAB10.7-24W02 7433505284	EPIC MB04P4LSAB24W05 7433505281	EPIC MB04P4LSAB10.7-24W05 7433505285	
	0.5 m	EPIC MB04P2LSAB24W05 7433505281	EPIC MB04P4LSAB24W05 7433505283	EPIC MB04P4LSAB10.7-24W05 7433505284	EPIC MB04P4LSAB24W05 7433505281	EPIC MB04P4LSAB10.7-24W05 7433505285	
5 Pin	0.2 m	EPIC MB05P2LSAB24W02 7433505286	EPIC MB05P4LSAB24W02 7433505288	EPIC MB05P4LSAB10.7-24W02 7433505290	EPIC MB05P4LSAB24W05 7433505287	EPIC MB05P4LSAB10.7-24W05 7433505289	
	0.5 m	EPIC MB05P2LSAB24W05 7433505287	EPIC MB05P4LSAB24W05 7433505289	EPIC MB05P4LSAB10.7-24W05 7433505290	EPIC MB05P4LSAB24W05 7433505287	EPIC MB05P4LSAB10.7-24W05 7433505289	
6 Pin	0.2 m	EPIC MB06P2LSAB24W02 7433505292	EPIC MB06P4LSAB24W02 7433505294	EPIC MB06P4LSAB10.7-24W02 7433505296	EPIC MB06P4LSAB24W05 7433505293	EPIC MB06P4LSAB10.7-24W05 7433505295	
	0.5 m	EPIC MB06P2LSAB24W05 7433505293	EPIC MB06P4LSAB24W05 7433505295	EPIC MB06P4LSAB10.7-24W05 7433505296	EPIC MB06P4LSAB24W05 7433505293	EPIC MB06P4LSAB10.7-24W05 7433505295	
8 Pin	0.2 m	EPIC MB08P2LSAB24W02 7433505298	EPIC MB08P4LSAB24W02 7433505300	EPIC MB08P4LSAB10.7-24W02 7433505302	EPIC MB08P4LSAB24W05 7433505299	EPIC MB08P4LSAB10.7-24W05 7433505301	
	0.5 m	EPIC MB08P2LSAB24W05 7433505299	EPIC MB08P4LSAB24W05 7433505301	EPIC MB08P4LSAB10.7-24W05 7433505302	EPIC MB08P4LSAB24W05 7433505299	EPIC MB08P4LSAB10.7-24W05 7433505301	

Wires' Color Coding

Poles & Wire Color / Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2	WH	WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

M8 A-Code male panel connector, front/ rear mount, snap-in, with single wires



Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0 screw	
Tightening Torque	Recommend:0.3Nm, Max:0.6Nm	
Termination	Soldering	
Wire gauge	0.25mm <sup>2</sup> (AWG 24)	
Rated temperature	-25 °C ... +90 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	TPU+GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread	M8x0.5 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	0.2 m	EPIC MB03P5LSAB24W02 7433505304	EPIC MB03P6LSAB24W02 7433505306	EPIC MB03P6LSAB10.7-24W02 7433505308	EPIC MB03P6LSAB24W05 7433505305	EPIC MB03P6LSAB10.7-24W05 7433505307	EPIC MB03P6LSAB10.7-24W05 7433505309
	0.5 m	EPIC MB03P5LSAB24W05 7433505305	EPIC MB03P6LSAB24W05 7433505307	EPIC MB03P6LSAB10.7-24W05 7433505309	EPIC MB03P6LSAB24W05 7433505305	EPIC MB03P6LSAB10.7-24W05 7433505307	EPIC MB03P6LSAB10.7-24W05 7433505309
4 Pin	0.2 m	EPIC MB04P5LSAB24W02 7433505310	EPIC MB04P6LSAB24W02 7433505312	EPIC MB04P6LSAB10.7-24W02 7433505314	EPIC MB04P6LSAB24W05 7433505311	EPIC MB04P6LSAB10.7-24W05 7433505313	EPIC MB04P6LSAB10.7-24W05 7433505315
	0.5 m	EPIC MB04P5LSAB24W05 7433505311	EPIC MB04P6LSAB24W05 7433505313	EPIC MB04P6LSAB10.7-24W05 7433505315	EPIC MB04P6LSAB24W05 7433505311	EPIC MB04P6LSAB10.7-24W05 7433505313	EPIC MB04P6LSAB10.7-24W05 7433505315

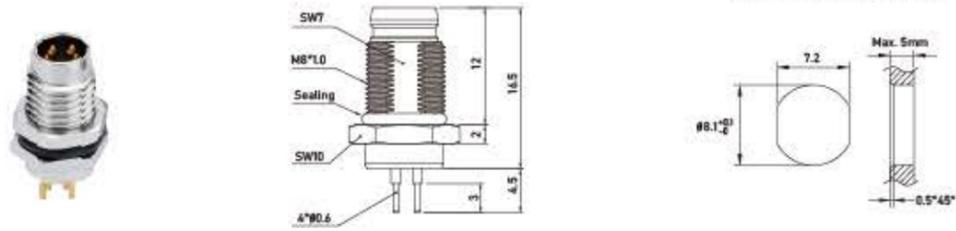
Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

## M8 A-Code



M8 A-Code male panel connector, front mount snap-in, PCB Contacts



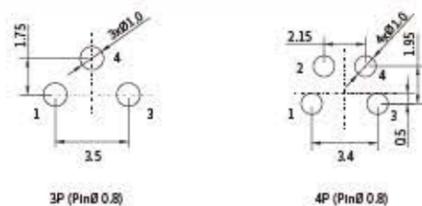
### Connector Technical data

Contacts No.	3Pin	4Pin
Front View		
Reference Standard	IEC 61076-2-104	
Rated current	3A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M8 x 1.0 screw	
Tightening Torque	Recommend:0.3Nm, Max:0.6Nm	
Termination	PCB Dip Soldering	
Rated temperature	-25 °C ... +90 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	TPU+GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	M8x1.0 Chassis Side Thread
3 Pin	EPIC MB03P5LPAB 7433505318
	EPIC MB04P5LPAB 7433505317

### PCB Layout Reference



## M8 A-Code, B-Code



M8 A-Code male panel connector, front/ rear mount, PCB Contacts



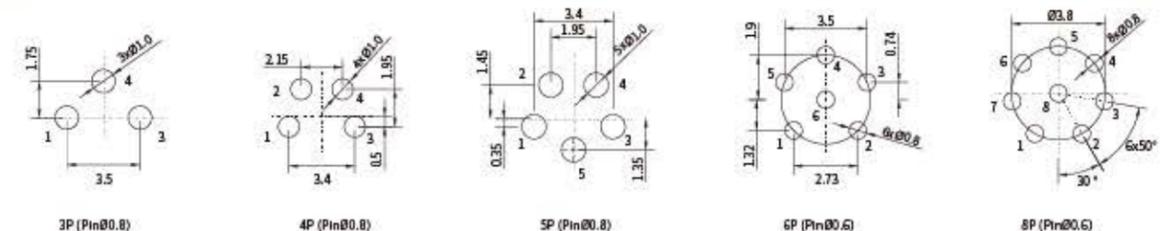
### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A		1.5A
Rated voltage	60V		30V		30V
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend:0.3Nm, Max:0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread	
3 Pin	EPIC MB03P1LPAB 7433505318	EPIC MB03P3LPAB 7433505319	EPIC MB03P3LPAB10.7 7433505320	
	EPIC MB04P1LPAB 7433505321	EPIC MB04P3LPAB 7433505322	EPIC MB04P3LPAB10.7 7433505323	
5 Pin	EPIC MB05P1LPBB 7433505324	EPIC MB05P3LPBB 7433505325	EPIC MB05P3LPBB10.7 7433505326	
	EPIC MB06P1LPAB 7433505327	EPIC MB06P3LPAB 7433505328	EPIC MB06P3LPAB10.7 7433505329	
8 Pin	EPIC MB08P1LPAB 7433505330	EPIC MB08P3LPAB 7433505331	EPIC MB08P3LPAB10.7 7433505332	

### PCB Layout Reference



## M8 A-Code, B-Code



M8 A-Code female panel connector, front/ rear mount, PCB Contacts



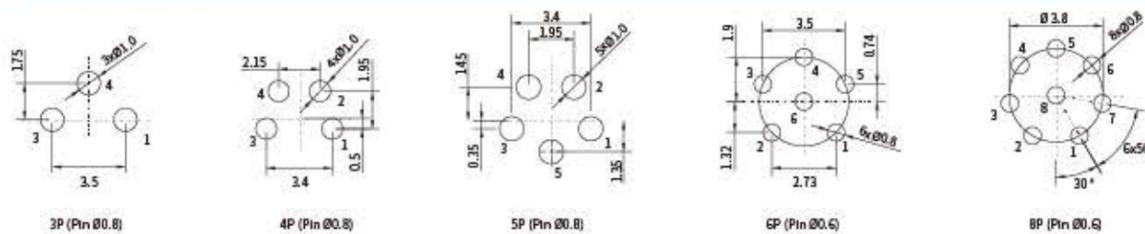
### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin (B-Code)	5Pin	6Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	M10x0.75 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	EPIC MB03P2LPAB 7433505333	EPIC MB03P4LPAB 7433505334	EPIC MB03P4LPAB10.7 7433505335	
4 Pin	EPIC MB04P2LPAB 7433505336	EPIC MB04P4LPAB 7433505337	EPIC MB04P4LPAB10.7 7433505338	
5 Pin	EPIC MB05P2LPBB 7433505339	EPIC MB05P4LPBB 7433505340	EPIC MB05P4LPBB10.7 7433505341	
6 Pin	EPIC MB06P2LPAB 7433505342	EPIC MB06P4LPAB 7433505343	EPIC MB06P4LPAB10.7 7433505344	
8 Pin	EPIC MB08P2LPAB 7433505345	EPIC MB08P4LPAB 7433505346	EPIC MB08P4LPAB10.7 7433505347	

### PCB Layout Reference



## M8 90° Panel Connector



M8 panel connector, front side fastening, PCB Contacts, EMI-Shielded, 90° right angled



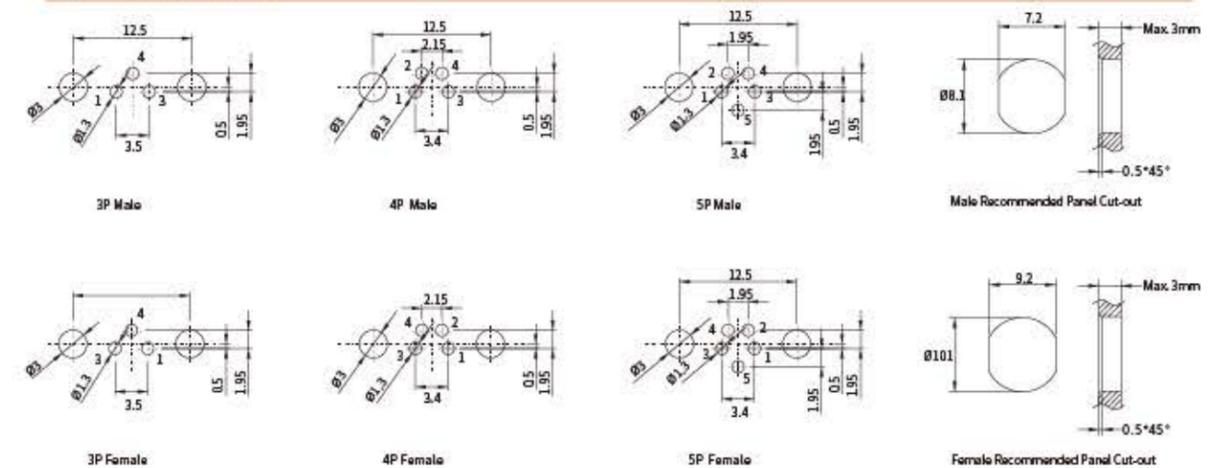
### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin
Front View			
Reference Standard	IEC 61076-2-104		3A
Rated current	3A		30V
Rated voltage	60V		500V
Impulse voltage	1500V		
Locking system	M8 x 1.0 screw		
Tightening Torque	Recommend: 0.3Nm, Max: 0.6Nm		
Termination	PCB Dip Soldering		
Rated temperature	-25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	TPU+GF		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		

### Ordering No.

Poles	Male	Female
3 Pin	EPIC MB03P1RPASB 7433505348	EPIC MB03P2RPASB 7433505349
4 Pin	EPIC MB04P1RPASB 7433505350	EPIC MB04P2RPASB 7433505351
5 Pin	EPIC MB05P1RPBSB 7433505352	EPIC MB05P2RPBSB 7433505353

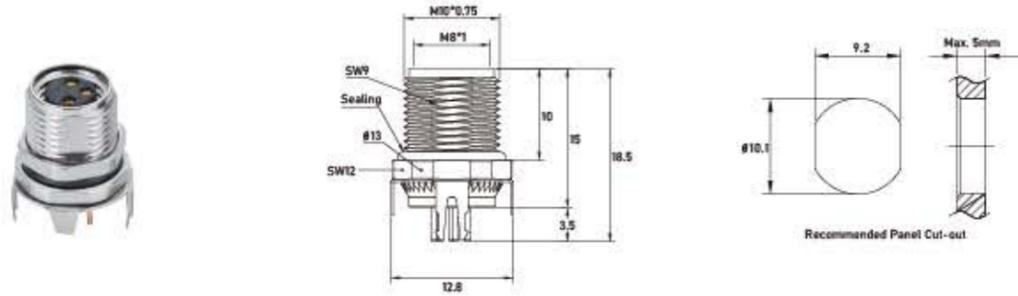
### PCB Layout Reference



## M8 Panel Connector EMI-Shielded



M8 female panel connector, front side fastening, PCB Contacts, EMI-Shielded



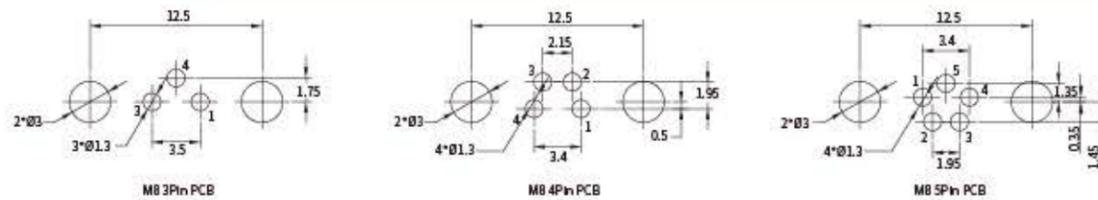
### Connector Technical data

Contacts No	3Pin	4Pin	5Pin (B-Code)	6Pin	8Pin
Front View					
Reference Standard	IEC 61076-2-104				
Rated current	3A		3A	1.5A	
Rated voltage	60V		30V	30V	
Impulse voltage	1500V		500V		
Locking system	M8 x 1.0 screw				
Tightening Torque	Recommend:0.3Nm, Max:0.6Nm				
Termination	PCB Dip Soldering				
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	TPU+GF				
Screw nut	Brass, CNC, Nickel-plated				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

### Ordering No.

Poles	Female
3 Pin	EPIC MB03P2LPASB
	7433505354
4 Pin	EPIC MB04P2LPASB
	7433505355
5 Pin	EPIC MB05P2LPBSB
	7433505356

### PCB Layout Reference



## M8 D-Code

M8 D-Code Female Panel Connector, with PCB ground pin or soldered wires



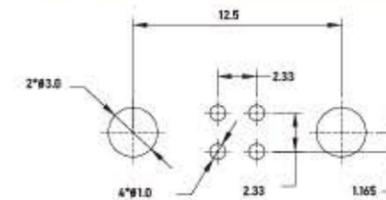
### Connector Technical data

Contacts No	4Pin
Front View	
Reference standard	IEC 61076-2-114
Rated current	4A
Rated voltage	60V
Impulse voltage	500V
Locking system	M8 x 1.0mm screw
Tightening torque	Recommended:0.3 Nm, Max :0.6 Nm
Termination	PCB Dip Soldering
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C
Insulation resistance	>100MΩ
Contact resistance	<5mΩ
Contacts carrier	TPU+GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

### Ordering No.

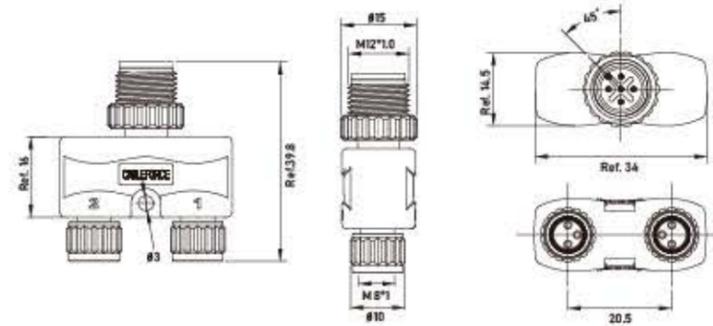
Poles	PCB	Soldered wires
4 Pin	EPIC MB04P2LPDSB	EPIC MB04P2LSDB-24W02 (200mm)
	7433505357	7433505358
		EPIC MB04P2LSDB-24W03 (300mm)
		7433505359
		EPIC MB04P2LSDB-24W05 (500mm)
		7433505360

### PCB Layout Reference

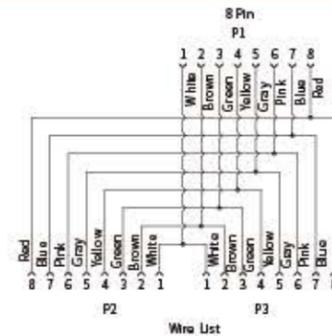
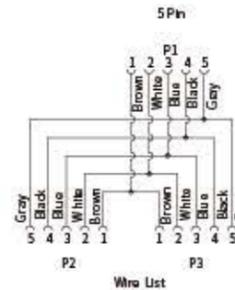
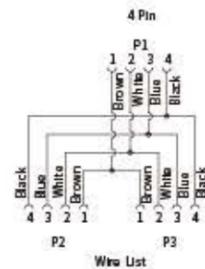
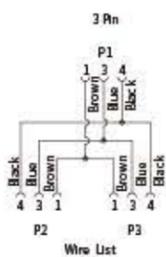


# M8 Y-Splitter

M12 - M8 Y-Splitter Adapter

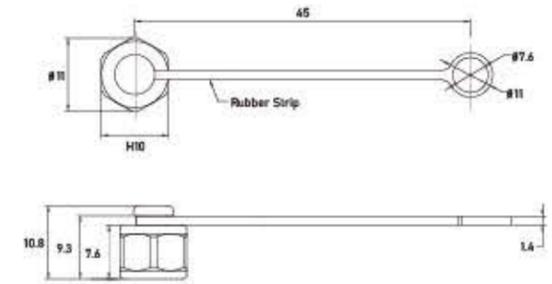


Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
P1 Front View				
P2 Front View				
P3 Front View				
Reference Standard	IEC 61076-2-101 (M12), IEC 61076-2-104 (M8)			
Rated current	3A		3A	1.5A
Rated voltage	60V		30V	30V
Impulse voltage	1500V		500V	
Locking system	M12 x 1.0mm screw & M8 x 1.0mm screw			
Tightening Torque	M12 Connectors Recommended: 0.3 Nm, Max: 0.6 Nm, M8 Connectors Recommended: 0.2Nm, Max: 0.4 Nm			
Termination	Soldering			
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Contact carrier	TPU+GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Bras/Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			
Ordering No.				
Poles	3Pin	4Pin	5Pin	8Pin
P/N	EPIC MC03Y-MFFAB-MB03 7433507217	EPIC MC04Y-MFFAB-MB04 7433507218	EPIC MC05Y-MFFAB-MB05 7433507219	EPIC MC08Y-MFFAB-MB08 7433507220
Wiring Diagram				



# M8 Dust Cap

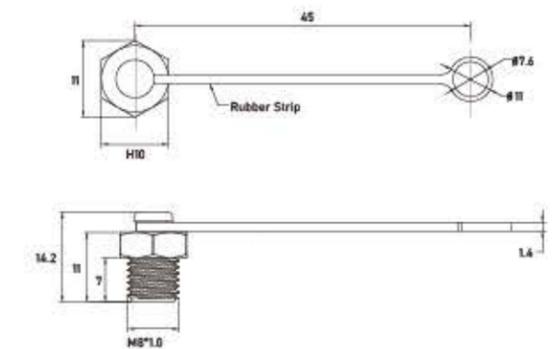
M8 male connector's dust cap, SUS#316 with strap



Notes	
Ordering No.	EPIC MB-PC03S 7433505361
Cap:SUS#316	Strap:TPU
Sealing:FkM	Degree:IP67

# M8 Dust Cap

M8 female connector's dust cap, SUS#316 with strap



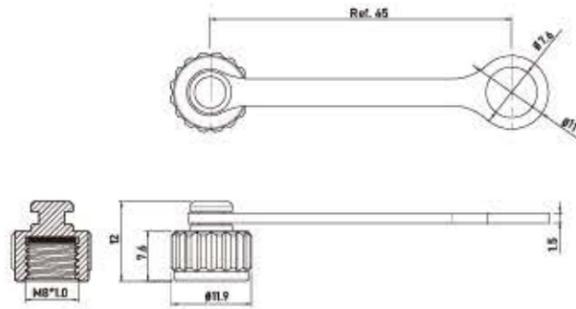
Notes	
Ordering No.	EPIC MB-PC04S 7433505362
Cap:SUS#316	Strap:TPU
Degree:IP67	



## M8 Dust Cap



M8 male connector's dust cap, with strap

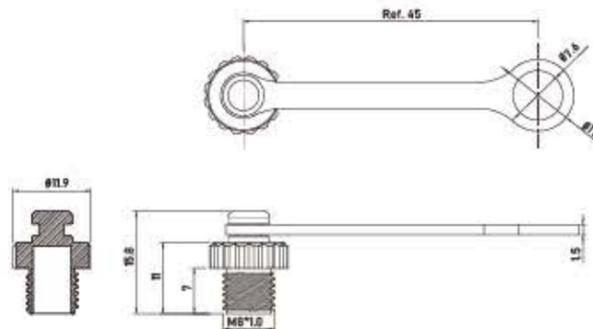


### Notes

Ordering No.:	EPIC MB-PC03 7433505363
Cap:PA66+GF	Sealing:FKM
Strap:TPU	IP Degree:IP67

## M8 Dust Cap

M8 female connector's dust cap, with strap

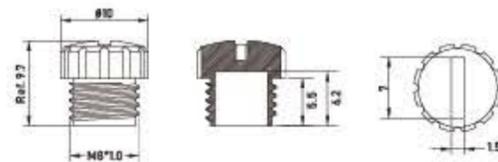


### Notes

Ordering No.:	EPIC MB-PC04 7433505364
Cap:PA66+GF	Strap:TPU
IP Degree:IP67	

## M8 Dust Cap

M8 female connector's dust cap,with strap



### Notes

Ordering No.:	EPIC MB-PC02 7433505365
Cap:PA6	IP Degree:IP67

## Notes



# M12 Circular molded cable

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



M12 circular cable connectors with M12 locking thread for Industrial automation, Process control, Industrial Ethernet, Railway CCTV, Boat cabling and Commercial electronics. The Series of M12 connector offers many different cable connectors configuration, panel-mounted receptacles, field attachable/installable connectors with industry standard A, B, D, X, S, T, K, L and Y keyway coding options.

# M12

## Circular molded cable

- IP67, IP69K, UL, CE, UKCA approvals
- 360° EMC shielded version available
- 3P, 4P, 5P, 8P, 12P, 17P poles per connector are available
- TPU over molded and PA+GF or metal shell
- Anti-vibration locking screw design
- Operating voltage: 690V, 630V, 250V, 60V, 48V, 30V;
- Current rating: 16A, 12A, 8A, 4A, 2A, 1.5A
- Customized cable length, with PUR, PVC, TPE, LSZH, EtherNet, Profinet, Railway NFPA 130, NMEA 2000, DeviceNet, CAN, Profibus, CC-Link cable options



M12 A-Code male connector, molded cable, Un-shielded, free end



Connector Technical data							
Contact No.	3Pin	4Pin	5Pin	CAN / DVN	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		30V		1500V		
Input voltage	2500V		60V		800V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contact plating	Au (Gold)						
O-Ring	N / A						
Protection degree	IP67						
Pollution degree	3						

Ordering No.							
Poles	Cable length	180° Straight				90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C1LSAB22CK20 7433501014	EPIC MC03C1LSAB22RK20 7433501016	EPIC MC03C1RSAB22CK20 7433501042	EPIC MC03C1RSAB22RK20 7433501044	EPIC MC03C1LSAB22CK50 7433501015	EPIC MC03C1LSAB22RK50 7433501017
	5 m	EPIC MC03C1LSAB22CK50 7433501015	EPIC MC03C1LSAB22RK50 7433501017	EPIC MC03C1RSAB22CK50 7433501043	EPIC MC03C1RSAB22RK50 7433501045	EPIC MC04C1LSAB22CK20 7433501018	EPIC MC04C1LSAB22RK20 7433501020
4 Pin	2 m	EPIC MC04C1LSAB22CK20 7433501018	EPIC MC04C1LSAB22RK20 7433501020	EPIC MC04C1RSAB22CK20 7433501046	EPIC MC04C1RSAB22RK20 7433501048	EPIC MC04C1LSAB22CK50 7433501019	EPIC MC04C1LSAB22RK50 7433501021
	5 m	EPIC MC04C1LSAB22CK50 7433501019	EPIC MC04C1LSAB22RK50 7433501021	EPIC MC04C1RSAB22CK50 7433501047	EPIC MC04C1RSAB22RK50 7433501049	EPIC MC05C1LSAB22CK20 7433501022	EPIC MC05C1LSAB22RK20 7433501024
5 Pin	2 m	EPIC MC05C1LSAB22CK20 7433501022	EPIC MC05C1LSAB22RK20 7433501024	EPIC MC05C1RSAB22CK20 7433501050	EPIC MC05C1RSAB22RK20 7433501052	EPIC MC05C1LSAB22CK50 7433501023	EPIC MC05C1LSAB22RK50 7433501025
	5 m	EPIC MC05C1LSAB22CK50 7433501023	EPIC MC05C1LSAB22RK50 7433501025	EPIC MC05C1RSAB22CK50 7433501051	EPIC MC05C1RSAB22RK50 7433501053	EPIC MC05C1LSAB24CK20-DVN 7433501026	EPIC MC05C1LSAB24RK20-DVN 7433501028
CAN/DVN	2 m	EPIC MC05C1LSAB24CK20-DVN 7433501026	EPIC MC05C1LSAB24RK20-DVN 7433501028	EPIC MC05C1RSAB24CK20-DVN 7433501054	EPIC MC05C1RSAB24RK20-DVN 7433501056	EPIC MC05C1LSAB24CK50-DVN 7433501027	EPIC MC05C1LSAB24RK50-DVN 7433501029
	5 m	EPIC MC05C1LSAB24CK50-DVN 7433501027	EPIC MC05C1LSAB24RK50-DVN 7433501029	EPIC MC05C1RSAB24CK50-DVN 7433501055	EPIC MC05C1RSAB24RK50-DVN 7433501057	EPIC MC08C1LSAB24CK20 7433501030	EPIC MC08C1LSAB24RK20 7433501032
8 Pin	2 m	EPIC MC08C1LSAB24CK20 7433501030	EPIC MC08C1LSAB24RK20 7433501032	EPIC MC08C1RSAB24CK20 7433501058	EPIC MC08C1RSAB24RK20 7433501060	EPIC MC08C1LSAB24CK50 7433501031	EPIC MC08C1LSAB24RK50 7433501033
	5 m	EPIC MC08C1LSAB24CK50 7433501031	EPIC MC08C1LSAB24RK50 7433501033	EPIC MC08C1RSAB24CK50 7433501059	EPIC MC08C1RSAB24RK50 7433501061	EPIC MC12C1LSAB28CK20 7433501034	EPIC MC12C1LSAB28RK20 7433501036
12 Pin	2 m	EPIC MC12C1LSAB28CK20 7433501034	EPIC MC12C1LSAB28RK20 7433501036	EPIC MC12C1RSAB28CK20 7433501062	EPIC MC12C1RSAB28RK20 7433501064	EPIC MC12C1LSAB28CK50 7433501035	EPIC MC12C1LSAB28RK50 7433501037
	5 m	EPIC MC12C1LSAB28CK50 7433501035	EPIC MC12C1LSAB28RK50 7433501037	EPIC MC12C1RSAB28CK50 7433501063	EPIC MC12C1RSAB28RK50 7433501065	EPIC MC17C1LSAB28CK20 7433501038	EPIC MC17C1LSAB28RK20 7433501040
17 Pin	2 m	EPIC MC17C1LSAB28CK20 7433501038	EPIC MC17C1LSAB28RK20 7433501040	EPIC MC17C1RSAB28CK20 7433501066	EPIC MC17C1RSAB28RK20 7433501068	EPIC MC17C1LSAB28CK50 7433501039	EPIC MC17C1LSAB28RK50 7433501041
	5 m	EPIC MC17C1LSAB28CK50 7433501039	EPIC MC17C1LSAB28RK50 7433501041	EPIC MC17C1RSAB28CK50 7433501067	EPIC MC17C1RSAB28RK50 7433501069		

Cable's Color Coding & Wiring							
Poles & Wire Color Pin	3Pin	4Pin	5Pin	CAN / DVN	6Pin	12Pin	17Pin
Pin 1	BN	BN	BN	FE	WH	BN	13. WH/GN
Pin 2	WH	WH	WH	RD	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	SK	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	GN	16. YE/BN
Pin 5			GY	BK	GY	PK	17. WH/GY
Pin 6				BU	PK	YE	
Pin 7				SU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9				OR	OR	RD	
Pin 10				VT	VT	VT	
Pin 11				BK	BK	GY/PK	
Pin 12				LP	LP	RD/BU	

M12 A-Code female connector, molded cable, Un-shielded, free end



Connector Technical data							
Contact No.	3Pin	4Pin	5Pin	CAN/DVN	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		60V		1500V		
Input voltage	2500V		80V		500V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contact plating	Au (Gold)						
O-Ring	PDM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

Ordering No.							
Poles	Cable length	180° Straight				90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C2LSAB22CK20 7433501070	EPIC MC03C2LSAB22RK20 7433501072	EPIC MC03C2RSAB22CK20 7433501068	EPIC MC03C2RSAB22RK20 7433501100	EPIC MC03C2LSAB22CK50 7433501071	EPIC MC03C2LSAB22RK50 7433501073
	5 m	EPIC MC03C2LSAB22CK50 7433501071	EPIC MC03C2LSAB22RK50 7433501073	EPIC MC03C2RSAB22CK50 7433501101	EPIC MC03C2RSAB22RK50 7433501103	EPIC MC04C2LSAB22CK20 7433501074	EPIC MC04C2LSAB22RK20 7433501076
4 Pin	2 m	EPIC MC04C2LSAB22CK20 7433501074	EPIC MC04C2LSAB22RK20 7433501076	EPIC MC04C2RSAB22CK20 7433501102	EPIC MC04C2RSAB22RK20 7433501104	EPIC MC04C2LSAB22CK50 7433501075	EPIC MC04C2LSAB22RK50 7433501077
	5 m	EPIC MC04C2LSAB22CK50 7433501075	EPIC MC04C2LSAB22RK50 7433501077	EPIC MC04C2RSAB22CK50 7433501103	EPIC MC04C2RSAB22RK50 7433501105	EPIC MC05C2LSAB22CK20 7433501078	EPIC MC05C2LSAB22RK20 7433501080
5 Pin	2 m	EPIC MC05C2LSAB22CK20 7433501078	EPIC MC05C2LSAB22RK20 7433501080	EPIC MC05C2RSAB22CK20 7433501106	EPIC MC05C2RSAB22RK20 7433501108	EPIC MC05C2LSAB22CK50 7433501079	EPIC MC05C2LSAB22RK50 7433501081
	5 m	EPIC MC05C2LSAB22CK50 7433501079	EPIC MC05C2LSAB22RK50 7433501081	EPIC MC05C2RSAB22CK50 7433501107	EPIC MC05C2RSAB22RK50 7433501109	EPIC MC05C2LSAB24CK20-DVN 7433501082	EPIC MC05C2LSAB24RK20-DVN 7433501084
CAN/DVN	2 m	EPIC MC05C2LSAB24CK20-DVN 7433501082	EPIC MC05C2LSAB24RK20-DVN 7433501084	EPIC MC05C2RSAB24CK20-DVN 7433501108	EPIC MC05C2RSAB24RK20-DVN 7433501110	EPIC MC05C2LSAB24CK50-DVN 7433501083	EPIC MC05C2LSAB24RK50-DVN 7433501085
	5 m	EPIC MC05C2LSAB24CK50-DVN 7433501083	EPIC MC05C2LSAB24RK50-DVN 7433501085	EPIC MC05C2RSAB24CK50-DVN 7433501109	EPIC MC05C2RSAB24RK50-DVN 7433501111	EPIC MC08C2LSAB24CK20 7433501086	EPIC MC08C2LSAB24RK20 7433501088
8 Pin	2 m	EPIC MC08C2LSAB24CK20 7433501086	EPIC MC08C2LSAB24RK20 7433501088	EPIC MC08C2RSAB24CK20 7433501114	EPIC MC08C2RSAB24RK20 7433501116	EPIC MC08C2LSAB24CK50 7433501087	EPIC MC08C2LSAB24RK50 7433501089
	5 m	EPIC MC08C2LSAB24CK50 7433501087	EPIC MC08C2LSAB24RK50 7433501089	EPIC MC08C2RSAB24CK50 7433501115	EPIC MC08C2RSAB24RK50 7433501117	EPIC MC12C2LSAB28CK20 7433501090	EPIC MC12C2LSAB28RK20 7433501092
12 Pin	2 m	EPIC MC12C2LSAB28CK20 7433501090	EPIC MC12C2LSAB28RK20 7433501092	EPIC MC12C2RSAB28CK20 7433501118	EPIC MC12C2RSAB28RK20 7433501120	EPIC MC12C2LSAB28CK50 7433501091	EPIC MC12C2LSAB28RK50 7433501093
	5 m	EPIC MC12C2LSAB28CK50 7433501091	EPIC MC12C2LSAB28RK50 7433501093	EPIC MC12C2RSAB28CK50 7433501119	EPIC MC12C2RSAB28RK50 7433501121	EPIC MC17C2LSAB28CK20 7433501094	EPIC MC17C2LSAB28RK20 7433501096
17 Pin	2 m	EPIC MC17C2LSAB28CK20 7433501094	EPIC MC17C2LSAB28RK20 7433501096	EPIC MC17C2RSAB28CK20 7433501122	EPIC MC17C2RSAB28RK20 7433501124	EPIC MC17C2LSAB28CK50 7433501095	EPIC MC17C2LSAB28RK50 7433501097
	5 m	EPIC MC17C2LSAB28CK50 7433501095	EPIC MC17C2LSAB28RK50 7433501097	EPIC MC17C2RSAB28CK50 7433501123	EPIC MC17C2RSAB28RK50 7433501125		

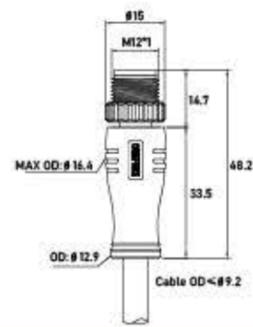
Cable's Color Coding & Wiring							
Poles & Wire Color Pin	3Pin	4Pin	5Pin	CAN / DVN	6Pin	12Pin	17Pin
Pin 1	BN	BN	BN	PE	WH	BN	13. WH/GN
Pin 2	WH	WH	WH	RD	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	PK	17. WH/GY
Pin 6				PK	BU	YE	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9				OR	OR	RD	
Pin 10				VT	VT	VT	
Pin 11				BK	BK	GY/PK	
Pin 12				LP	LP	RD/BU	

# M12 A-Code, Shielded

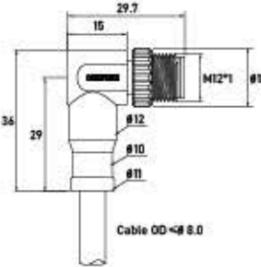


## M12 A-Code male connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		30V		1.5A		
Impulse voltage	2500V		1500V		500V		
Locking system	M12 + 1.0 screw						
Tightening Torque	Recommended : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +85 °C, Static -40 °C ... +85 °C						
Insulation resistance	>100MΩ						
Contact resistance	<5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	N/A						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

Poles	Cable length	180° Straight				90° Right Angled			
		PVC (Cable)		PUR (Cable)		PVC (Cable)		PUR (Cable)	
3 Pin	2m	EPIC MC03C1LSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1RSABE22CK00
	5m	EPIC MC03C1LSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1LSABE22CK00	EPIC MC03C1RSABE22CK00	EPIC MC03C1RSABE22CK00
4 Pin	2m	EPIC MC04C1LSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1RSABE22CK00
	5m	EPIC MC04C1LSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1LSABE22CK00	EPIC MC04C1RSABE22CK00	EPIC MC04C1RSABE22CK00
5 Pin	2m	EPIC MC05C1LSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1RSABE22CK00
	5m	EPIC MC05C1LSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1LSABE22CK00	EPIC MC05C1RSABE22CK00	EPIC MC05C1RSABE22CK00
CAN/DVN	2m	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN
	5m	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1LSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN	EPIC MC05C1RSABE24CK00-DVN
6 Pin	2m	EPIC MC06C1LSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1RSABE22CK00
	5m	EPIC MC06C1LSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1LSABE22CK00	EPIC MC06C1RSABE22CK00	EPIC MC06C1RSABE22CK00
12 Pin	2m	EPIC MC12C1LSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1RSABE22CK00
	5m	EPIC MC12C1LSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1LSABE22CK00	EPIC MC12C1RSABE22CK00	EPIC MC12C1RSABE22CK00
17 Pin	2m	EPIC MC17C1LSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1RSABE22CK00
	5m	EPIC MC17C1LSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1LSABE22CK00	EPIC MC17C1RSABE22CK00	EPIC MC17C1RSABE22CK00

### Cable's Color Coding & Wiring

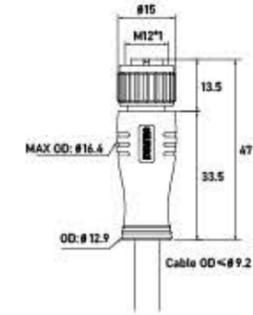
Poles & Wire Color	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WHGN	
Pin 2		WH	WH	RD	BN	BN	BU	14. BNGN	
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WHYE	
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YEBN	
Pin 5		GY	GY	BU	GY	PK	GY	17. WHGY	
Pin 6					PK	PK	YE		
Pin 7					BU	BU	BK		
Pin 8					RD	RD	GY		
Pin 9						OR	RD		
Pin 10						VT	VT		
Pin 11						BK	GY/PK		
Pin 12						LP	RD/BU		
Shield	Braid								

# M12 A-Code, Shielded

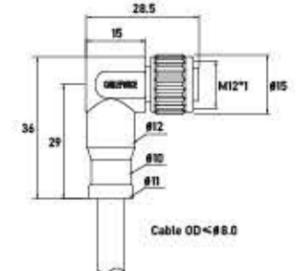


## M12 A-Code female connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	CAN/DVN	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		30V		1.5A		
Impulse voltage	2500V		1500V		500V		
Locking system	M12 + 1.0 screw						
Tightening Torque	Recommended : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)		
Rated temperature	Flexible -25 °C ... +85 °C, Static -40 °C ... +85 °C						
Insulation resistance	>100MΩ						
Contact resistance	<5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

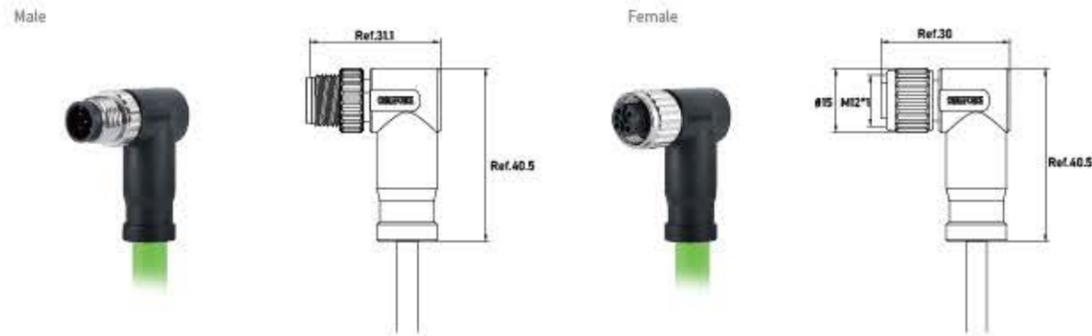
Poles	Cable length	180° Straight				90° Right Angled			
		PVC (Cable)		PUR (Cable)		PVC (Cable)		PUR (Cable)	
3 Pin	2m	EPIC MC03C2LSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2RSABE22CK00
	5m	EPIC MC03C2LSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2LSABE22CK00	EPIC MC03C2RSABE22CK00	EPIC MC03C2RSABE22CK00
4 Pin	2m	EPIC MC04C2LSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2RSABE22CK00
	5m	EPIC MC04C2LSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2LSABE22CK00	EPIC MC04C2RSABE22CK00	EPIC MC04C2RSABE22CK00
5 Pin	2m	EPIC MC05C2LSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2RSABE22CK00
	5m	EPIC MC05C2LSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2LSABE22CK00	EPIC MC05C2RSABE22CK00	EPIC MC05C2RSABE22CK00
CAN/DVN	2m	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2RSABE22CK00
	5m	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2LSABE22CK00	EPIC DVN-MC05C2RSABE22CK00	EPIC DVN-MC05C2RSABE22CK00
6 Pin	2m	EPIC MC06C2LSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2RSABE22CK00
	5m	EPIC MC06C2LSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2LSABE22CK00	EPIC MC06C2RSABE22CK00	EPIC MC06C2RSABE22CK00
12 Pin	2m	EPIC MC12C2LSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2RSABE22CK00
	5m	EPIC MC12C2LSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2LSABE22CK00	EPIC MC12C2RSABE22CK00	EPIC MC12C2RSABE22CK00
17 Pin	2m	EPIC MC17C2LSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2RSABE22CK00
	5m	EPIC MC17C2LSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2LSABE22CK00	EPIC MC17C2RSABE22CK00	EPIC MC17C2RSABE22CK00

### Cable's Color Coding & Wiring

Poles & Wire Color	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin	Pin
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WHGN	
Pin 2		WH	WH	RD	BN	BN	BU	14. BNGN	
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WHYE	
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YEBN	
Pin 5		GY	GY	BU	GY	PK	GY	17. WHGY	
Pin 6					PK	PK	YE		
Pin 7					BU	BU	BK		
Pin 8					RD	RD	GY		
Pin 9						OR	RD		
Pin 10						VT	VT		
Pin 11						BK	GY/PK		
Pin 12						LP	RD/BU		
Shield	Braid								



M12 A-Code male/ female connector, Right angled, Bigger Molding Size, EMI-Shielded



Connector Technical data							
Contacts No.	3Pn	4Pn	5Pn	CAN/DVn	6Pn	12Pn	17Pn
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V		
Locking system	M12 + 1.0mm screw M12						
Tightening Torque	Recommended: 0.6 Nm, Max: 1.0 Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)		0.25mm² (AWG 24)		0.14mm² (AWG 26)		
Rated temperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80						
Insulation resistance	> 100MΩ						
Contact resistance	< 5mΩ						
Over-molding	TPU						
Contact center	TPU + GF						
Screw nut	Brass, Phosphor bronze						
Contact	Au (50μ)						
Contact plating	FKM / Silicon						
O-ring	IP67						
Protection degree	3						
Pollution degree	Shielded						

Ordering No.							
Poles	Cable length	PVC (Cable)	Male PUR (Cable)	PVC (Cable)	Female PUR (Cable)		
3 Pn	1.0 m	EPIC MC0301RSASB-22CK10-BM 7433501236	EPIC MC0301RSASB-22RK10-BM 7433501240	EPIC MC0302RSASB-22CK20-BM 7433501262	EPIC MC0302RSASB-22RK20-BM 7433501264		
	2.0 m	EPIC MC0301RSASB-22CK20-BM 7433501236	EPIC MC0301RSASB-22RK20-BM 7433501240	EPIC MC0302RSASB-22CK20-BM 7433501262	EPIC MC0302RSASB-22RK20-BM 7433501264		
4 Pn	1.0 m	EPIC MC0401RSASB-22CK10-BM 7433501242	EPIC MC0401RSASB-22RK10-BM 7433501244	EPIC MC0402RSASB-22CK20-BM 7433501268	EPIC MC0402RSASB-22RK20-BM 7433501270		
	2.0 m	EPIC MC0401RSASB-22CK20-BM 7433501242	EPIC MC0401RSASB-22RK20-BM 7433501244	EPIC MC0402RSASB-22CK20-BM 7433501268	EPIC MC0402RSASB-22RK20-BM 7433501270		
5 Pn	1.0 m	EPIC MC0501RSASB-22CK10-BM 7433501246	EPIC MC0501RSASB-22RK10-BM 7433501248	EPIC MC0502RSASB-22CK20-BM 7433501274	EPIC MC0502RSASB-22RK20-BM 7433501276		
	2.0 m	EPIC MC0501RSASB-22CK20-BM 7433501246	EPIC MC0501RSASB-22RK20-BM 7433501248	EPIC MC0502RSASB-22CK20-BM 7433501274	EPIC MC0502RSASB-22RK20-BM 7433501276		
8 Pn	1.0 m	EPIC MC0801RSASB-24CK10-BM 7433501250	EPIC MC0801RSASB-24RK10-BM 7433501252	EPIC MC0802RSASB-24CK20-BM 7433501278	EPIC MC0802RSASB-24RK20-BM 7433501280		
	2.0 m	EPIC MC0801RSASB-24CK20-BM 7433501250	EPIC MC0801RSASB-24RK20-BM 7433501252	EPIC MC0802RSASB-24CK20-BM 7433501278	EPIC MC0802RSASB-24RK20-BM 7433501280		
12 Pn	1.0 m	EPIC MC1201RSASB-26CK10-BM 7433501254	EPIC MC1201RSASB-26RK10-BM 7433501256	EPIC MC1202RSASB-26CK20-BM 7433501282	EPIC MC1202RSASB-26RK20-BM 7433501284		
	2.0 m	EPIC MC1201RSASB-26CK20-BM 7433501254	EPIC MC1201RSASB-26RK20-BM 7433501256	EPIC MC1202RSASB-26CK20-BM 7433501282	EPIC MC1202RSASB-26RK20-BM 7433501284		
17 Pn	1.0 m	EPIC MC1701RSASB-28CK10-BM 7433501258	EPIC MC1701RSASB-28RK10-BM 7433501260	EPIC MC1702RSASB-28CK20-BM 7433501286	EPIC MC1702RSASB-28RK20-BM 7433501288		
	2.0 m	EPIC MC1701RSASB-28CK20-BM 7433501258	EPIC MC1701RSASB-28RK20-BM 7433501260	EPIC MC1702RSASB-28CK20-BM 7433501286	EPIC MC1702RSASB-28RK20-BM 7433501288		

Cable's Color Coding & Wiring							
Poles & Wire Color	Pin	Pin	Pin	Pin	Pin	Pin	Pin
Pin 1	BN	BN	BN	PE	WH	WH 12 LP	BN 12, RD BU
Pin 2	WH	WH	WH	RD	BN	BN	BU 13,WH GN
Pin 3	BU	BU	BU	BK	GN	GN	WH 14,WH GN
Pin 4	BK	BK	YE	WH	YE	GN	GN 15,WH YE
Pin 5			GY	BU	GY	PK	PK 16, YE BN
Pin 6					PK	YE	YE 17,WH GY
Pin 7					BU	BK	BK
Pin 8					RD	GY	GY
Pin 9					OR	RD	RD
Pin 10					VT	VT	VT
Pin 11					BK	GY BK	GY BK

M12 A-Code male/Female connector, molded with SUS 316# Stainless Steel Screws, free end



Connector Technical data							
Contacts No.	3Pn	4Pn	5Pn	CAN/DVn	6Pn	12Pn	17Pn
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V		
Locking system	M12 + 1.0 screw						
Tightening Torque	Recommended: 0.4 Nm, Max: 0.8 Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)		0.25mm² (AWG 24)		0.14mm² (AWG 26)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C						
Insulation resistance	> 100MΩ						
Contact resistance	< 5mΩ						
Over-molding	TPU						
Contact center	TPU + GF						
Screw nut	SUS 316# Stainless Steel						
Contact	Brass, Phosphor bronze						
Contact plating	Au (50μ)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

Ordering No.							
Poles	Cable length	PVC (Cable)	Male Straight PUR (Cable)	PVC (Cable)	Female Straight PUR (Cable)		
3 Pn	2 m	EPIC MC0301LSASB-22CK10-BM 7433501290	EPIC MC0301LSASB-22RK10-BM 7433501292	EPIC MC0302LSASB-22CK20-BM 7433501310	EPIC MC0302LSASB-22RK20-BM 7433501312		
	5 m	EPIC MC0301LSASB-22CK20-BM 7433501290	EPIC MC0301LSASB-22RK20-BM 7433501292	EPIC MC0302LSASB-22CK20-BM 7433501310	EPIC MC0302LSASB-22RK20-BM 7433501312		
4 Pn	2 m	EPIC MC0401LSASB-22CK10-BM 7433501294	EPIC MC0401LSASB-22RK10-BM 7433501296	EPIC MC0402LSASB-22CK20-BM 7433501314	EPIC MC0402LSASB-22RK20-BM 7433501316		
	5 m	EPIC MC0401LSASB-22CK20-BM 7433501294	EPIC MC0401LSASB-22RK20-BM 7433501296	EPIC MC0402LSASB-22CK20-BM 7433501314	EPIC MC0402LSASB-22RK20-BM 7433501316		
5 Pn	2 m	EPIC MC0501LSASB-22CK10-BM 7433501298	EPIC MC0501LSASB-22RK10-BM 7433501300	EPIC MC0502LSASB-22CK20-BM 7433501318	EPIC MC0502LSASB-22RK20-BM 7433501320		
	5 m	EPIC MC0501LSASB-22CK20-BM 7433501298	EPIC MC0501LSASB-22RK20-BM 7433501300	EPIC MC0502LSASB-22CK20-BM 7433501318	EPIC MC0502LSASB-22RK20-BM 7433501320		
8 Pn	2 m	EPIC MC0801LSASB-24CK10-BM 7433501302	EPIC MC0801LSASB-24RK10-BM 7433501304	EPIC MC0802LSASB-24CK20-BM 7433501322	EPIC MC0802LSASB-24RK20-BM 7433501324		
	5 m	EPIC MC0801LSASB-24CK20-BM 7433501302	EPIC MC0801LSASB-24RK20-BM 7433501304	EPIC MC0802LSASB-24CK20-BM 7433501322	EPIC MC0802LSASB-24RK20-BM 7433501324		
12 Pn	2 m	EPIC MC1201LSASB-26CK10-BM 7433501306	EPIC MC1201LSASB-26RK10-BM 7433501308	EPIC MC1202LSASB-26CK20-BM 7433501326	EPIC MC1202LSASB-26RK20-BM 7433501328		
	5 m	EPIC MC1201LSASB-26CK20-BM 7433501306	EPIC MC1201LSASB-26RK20-BM 7433501308	EPIC MC1202LSASB-26CK20-BM 7433501326	EPIC MC1202LSASB-26RK20-BM 7433501328		
17 Pn	2 m	EPIC MC1701LSASB-28CK10-BM 7433501310	EPIC MC1701LSASB-28RK10-BM 7433501312	EPIC MC1702LSASB-28CK20-BM 7433501330	EPIC MC1702LSASB-28RK20-BM 7433501332		
	5 m	EPIC MC1701LSASB-28CK20-BM 7433501310	EPIC MC1701LSASB-28RK20-BM 7433501312	EPIC MC1702LSASB-28CK20-BM 7433501330	EPIC MC1702LSASB-28RK20-BM 7433501332		

Cable's Color Coding & Wiring							
Poles & Wire Color	Pin	Pin	Pin	Pin	Pin	Pin	Pin
Pin 1	BN	BN	BN	PE	WH	WH 12 LP	BN 12, RD BU
Pin 2	WH	WH	WH	RD	BN	BN	BU 13,WH GN
Pin 3	BU	BU	BU	BK	GN	GN	WH 14,WH GN
Pin 4	BK	BK	YE	WH	YE	GN	GN 15,WH YE
Pin 5			GY	BU	GY	PK	PK 16, YE BN
Pin 6					PK	YE	YE 17,WH GY
Pin 7					BU	BK	BK
Pin 8					RD	GY	GY
Pin 9					OR	RD	RD
Pin 10					VT	VT	VT
Pin 11					BK	GY BK	GY BK

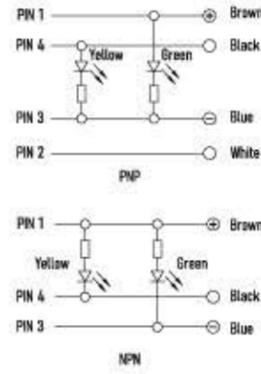
# M12 LED Display



## M12 Female connector, molded with LED Display, free end

180° Straight

90° Right Angled



Connector Technical data			
Contacts No.	3 Pin	4 Pin	5 Pin
Front View			
Reference standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	12V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm		
Termination	Soldering		
Wire gauge	0.34mm <sup>2</sup> (22AWG)		
Rated temperature	Flexible : -25 ~ 80 °C, Static : -40 ~ 80 °C		
Insulation resistance	> 100MΩ		
Contact resistance	≤ 50mΩ		
Over-molding	TPU		
Contact material	TPU + GF		
Shielding	BMC/CNC/Plated/Plated		
Contacts	Phosphor Bronze		
Contacts plating	Au (24K)		
Coloring	PVC / Black		
Protection degree	IP67		
Flammability degree	3		
RoHS marking	RoHS-Exempt		

Ordering No.										
Poles	Cable length	180° Straight				90° Right Angled				
		PNP	NPN	PNP	NPN	PNP	NPN	PNP	NPN	
3 Pin	1 m	EPIC MC03C1LSAP22CK00								
		7433501430	7433501430	7433501430	7433501430	7433501430	7433501430	7433501430	7433501430	7433501430
	2 m	EPIC MC03C1LSAP22CK00								
		7433501431	7433501431	7433501431	7433501431	7433501431	7433501431	7433501431	7433501431	7433501431
		EPIC MC03C1LSAP22CK00								
		7433501432	7433501432	7433501432	7433501432	7433501432	7433501432	7433501432	7433501432	7433501432
4 Pin	1 m	EPIC MC04C1LSAP22CK00								
		7433501433	7433501433	7433501433	7433501433	7433501433	7433501433	7433501433	7433501433	7433501433
	2 m	EPIC MC04C1LSAP22CK00								
		7433501434	7433501434	7433501434	7433501434	7433501434	7433501434	7433501434	7433501434	7433501434
		EPIC MC04C1LSAP22CK00								
		7433501435	7433501435	7433501435	7433501435	7433501435	7433501435	7433501435	7433501435	7433501435
5 Pin	1 m	EPIC MC05C1LSAP22CK00								
		7433501436	7433501436	7433501436	7433501436	7433501436	7433501436	7433501436	7433501436	7433501436
	2 m	EPIC MC05C1LSAP22CK00								
		7433501437	7433501437	7433501437	7433501437	7433501437	7433501437	7433501437	7433501437	7433501437
		EPIC MC05C1LSAP22CK00								
		7433501438	7433501438	7433501438	7433501438	7433501438	7433501438	7433501438	7433501438	7433501438
NMEA 2000	1 m	EPIC MC06C1LSAP22CK00-N2K								
		7433501443	7433501443	7433501443	7433501443	7433501443	7433501443	7433501443	7433501443	7433501443
	2 m	EPIC MC06C1LSAP22CK00-N2K								
		7433501444	7433501444	7433501444	7433501444	7433501444	7433501444	7433501444	7433501444	7433501444
		EPIC MC06C1LSAP22CK00-N2K								
		7433501445	7433501445	7433501445	7433501445	7433501445	7433501445	7433501445	7433501445	7433501445
8 Pin	1 m	EPIC MC08C1LSAP22CK00								
		7433501446	7433501446	7433501446	7433501446	7433501446	7433501446	7433501446	7433501446	7433501446
	2 m	EPIC MC08C1LSAP22CK00								
		7433501447	7433501447	7433501447	7433501447	7433501447	7433501447	7433501447	7433501447	7433501447
		EPIC MC12C1LSAP22CK00								
		7433501450	7433501450	7433501450	7433501450	7433501450	7433501450	7433501450	7433501450	7433501450
12 Pin	1 m	EPIC MC12C1LSAP22CK00								
		7433501451	7433501451	7433501451	7433501451	7433501451	7433501451	7433501451	7433501451	7433501451
	2 m	EPIC MC17C1LSAP22CK00								
		7433501452	7433501452	7433501452	7433501452	7433501452	7433501452	7433501452	7433501452	7433501452
		EPIC MC17C1LSAP22CK00								
		7433501455	7433501455	7433501455	7433501455	7433501455	7433501455	7433501455	7433501455	7433501455
17 Pin	1 m	EPIC MC17C1LSAP22CK00								
		7433501456	7433501456	7433501456	7433501456	7433501456	7433501456	7433501456	7433501456	7433501456
	2 m	EPIC MC17C1LSAP22CK00								
		7433501457	7433501457	7433501457	7433501457	7433501457	7433501457	7433501457	7433501457	7433501457
		EPIC MC17C1LSAP22CK00								
		7433501458	7433501458	7433501458	7433501458	7433501458	7433501458	7433501458	7433501458	7433501458

Cable's Color Coding & Wiring			
Poles & Wire Color Pin	180° Straight	90° Right Angled	90° Right Angled
Pin 1	BN	BN	BN
Pin 2	BU	WH	WH
Pin 3	BK	BU	BU
Pin 4		BK	BK
Pin 5			GY

# M12 A-Code



## M12 A-Code male connector, molded cable, Plastic Screws , free end

180° Straight

90° Right Angled



Connector Technical data							
Contacts No. Pin	3Pin	4Pin	5Pin	CAN/ON	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A					1.5A	
Rated voltage	250V			60V 1500V		30V 800V	
Impulse voltage	2500V					600V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (22AWG)					0.25mm <sup>2</sup> (AWG 24)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥ 100MΩ						
Contact resistance	≤ 5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	PA66+GF						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	N / A						
Protection degree	IP67						
Pollution degree	3						

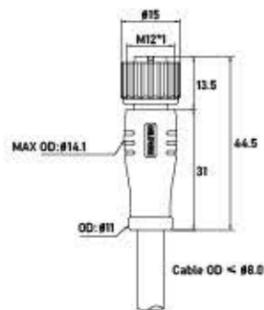
Ordering No.							
Poles	Cable length	180° Straight				90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC03C1LSAP22CK00					
		7433501430	7433501432	7433501433	7433501433	7433501433	7433501433
	5 m	EPIC MC03C1LSAP22CK00					
		7433501431	7433501433	7433501433	7433501433	7433501433	7433501433
4 Pin	2 m	EPIC MC04C1LSAP22CK00					
		7433501434	7433501436	7433501436	7433501436	7433501436	7433501436
	5 m	EPIC MC04C1LSAP22CK00					
		7433501435	7433501437	7433501437	7433501437	7433501437	7433501437
5 Pin	2 m	EPIC MC05C1LSAP22CK00					
		7433501436	7433501441	7433501441	7433501441	7433501441	7433501441
	5 m	EPIC MC05C1LSAP22CK00					
		7433501437	7433501443	7433501443	7433501443	7433501443	7433501443
NMEA 2000	2 m	EPIC MC06C1LSAP22CK00-N2K					
		7433501443	7433501444	7433501444	7433501444	7433501444	7433501444
	5 m	EPIC MC06C1LSAP22CK00					

## M12 A-Code

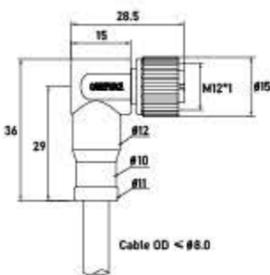


M12 A-Code female connector, molded cable, Plastic Screws, free end

180° Straight



90° Right Angled



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	6Pin/8Pin	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		60V		1500V		
Impulse voltage	2500V		30V		500V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm² (22AWG)		0.25mm² (AWG 24)		0.14mm² (AWG 26)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU + GF						
Contact carrier	TPU + GF						
Screw nut	PA66+GF						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silcon C-Ring						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MC05C2LSAP22CK20 7433501406	EPIC MC05C2LSAP22RK20 7433501488	EPIC MC05C2RSAP22CK20 7433501514	EPIC MC05C2RSAP22RK20 7433501516
	5 m	EPIC MC05C2LSAP22CK50 7433501487	EPIC MC05C2LSAP22RK50 7433501489	EPIC MC05C2RSAP22CK50 7433501517	EPIC MC05C2RSAP22RK50 7433501519
4 Pin	2 m	EPIC MC04C2LSAP22CK20 7433501490	EPIC MC04C2LSAP22RK20 7433501492	EPIC MC04C2RSAP22CK20 7433501518	EPIC MC04C2RSAP22RK20 7433501520
	5 m	EPIC MC04C2LSAP22CK50 7433501491	EPIC MC04C2LSAP22RK50 7433501493	EPIC MC04C2RSAP22CK50 7433501519	EPIC MC04C2RSAP22RK50 7433501521
5 Pin	2 m	EPIC MC05C2LSAP22CK20 7433501494	EPIC MC05C2LSAP22RK20 7433501496	EPIC MC05C2RSAP22CK20 7433501522	EPIC MC05C2RSAP22RK20 7433501524
	5 m	EPIC MC05C2LSAP22CK50 7433501495	EPIC MC05C2LSAP22RK50 7433501497	EPIC MC05C2RSAP22CK50 7433501523	EPIC MC05C2RSAP22RK50 7433501525
MTEA 2000	2 m	EPIC MC05C2LSAP24CK20-N2K 7433501498	EPIC MC05C2LSAP24RK20-N2K 7433501500	EPIC MC05C2RSAP24CK20-N2K 7433501526	EPIC MC05C2RSAP24RK20-N2K 7433501528
	5 m	EPIC MC05C2LSAP24CK50-N2K 7433501499	EPIC MC05C2LSAP24RK50-N2K 7433501501	EPIC MC05C2RSAP24CK50-N2K 7433501527	EPIC MC05C2RSAP24RK50-N2K 7433501529
8 Pin	2 m	EPIC MC08C2LSAP24CK20 7433501502	EPIC MC08C2LSAP24RK20 7433501504	EPIC MC08C2RSAP24CK20 7433501530	EPIC MC08C2RSAP24RK20 7433501532
	5 m	EPIC MC08C2LSAP24CK50 7433501503	EPIC MC08C2LSAP24RK50 7433501505	EPIC MC08C2RSAP24CK50 7433501531	EPIC MC08C2RSAP24RK50 7433501533
12 Pin	2 m	EPIC MC12C2LSAP26CK20 7433501506	EPIC MC12C2LSAP26RK20 7433501508	EPIC MC12C2RSAP26CK20 7433501534	EPIC MC12C2RSAP26RK20 7433501536
	5 m	EPIC MC12C2LSAP26CK50 7433501507	EPIC MC12C2LSAP26RK50 7433501509	EPIC MC12C2RSAP26CK50 7433501535	EPIC MC12C2RSAP26RK50 7433501537
17 Pin	2 m	EPIC MC17C2LSAP28CK20 7433501510	EPIC MC17C2LSAP28RK20 7433501512	EPIC MC17C2RSAP28CK20 7433501538	EPIC MC17C2RSAP28RK20 7433501540
	5 m	EPIC MC17C2LSAP28CK50 7433501511	EPIC MC17C2LSAP28RK50 7433501513	EPIC MC17C2RSAP28CK50 7433501539	EPIC MC17C2RSAP28RK50 7433501541

### Cable's Color Coding & Wiring

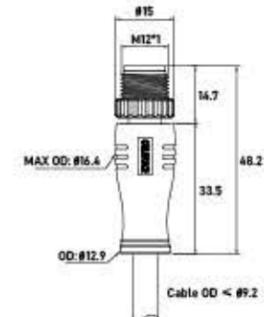
Poles & Wire Color							
Pin 1	BN	BN	BN	PE	WH	WH	BN 13. WH/GN
Pin 2	BU	WH	WH	RD	BN	BN	BU 14. BU/GN
Pin 3	BU	BU	BU	BK	GN	WH	WH 15. WH/YE
Pin 4	BK	BK	BK	WH	YE	GN	GN 16. YE/BN
Pin 5			GY	BU	GY	GY	PK 17. WH/GY
Pin 6				PK	PK	YE	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9					OR	RD	
Pin 10					VT	VT	
Pin 11					BK	GY/PK	
Pin 12					LP	RD/BU	

## M12 B-Code

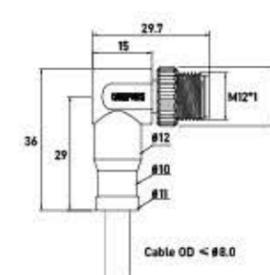


M12 B-Code male connector, molded cable, EMI-Shielded, free end

180° Straight



90° Right Angled



### Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Cable length	180° Straight	90° Right Angled
		PUR (Cable)	PUR (Cable)
5Pin	1 m	EPIC MC05C1LSBSB22RV10-PFB 7433501542	EPIC MC05C1RSBSB22RV10-PFB 7433501547
	3 m	EPIC MC05C1LSBSB22RV30-PFB 7433501543	EPIC MC05C1RSBSB22RV30-PFB 7433501548
5Pin	5 m	EPIC MC05C1LSBSB22RV50-PFB 7433501544	EPIC MC05C1RSBSB22RV50-PFB 7433501549
	10 m	EPIC MC05C1LSBSB22RV100-PFB 7433501545	EPIC MC05C1RSBSB22RV100-PFB 7433501550
	15 m	EPIC MC05C1LSBSB22RV150-PFB 7433501546	EPIC MC05C1RSBSB22RV150-PFB 7433501551

### Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	NG	BN
Pin 2	GN	WH
Pin 3	NG	BU
Pin 4	RD	BK
Pin 5	NG	GY
Shell	Braid	Braid



## M12 B-Code



M12 B-Code female connector, molded cable, EMI-Shielded, free end



### Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.34mm <sup>2</sup> (AWG 22)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Cable length	180° Straight	90° Right Angled
		PUR (Cable)	PUR (Cable)
5Pin	1 m	EPIC MC05C2LSBSB22RV10-PFB	EPIC MC05C2RSBSB22RV10-PFB
		7433501552	7433501557
	3 m	EPIC MC05C2LSBSB22RV30-PFB	EPIC MC05C2RSBSB22RV30-PFB
		7433501553	7433501558
	5 m	EPIC MC05C2LSBSB22RV50-PFB	EPIC MC05C2RSBSB22RV50-PFB
		7433501554	7433501559
	10 m	EPIC MC05C2LSBSB22RV100-PFB	EPIC MC05C2RSBSB22RV100-PFB
		7433501555	7433501560
	15 m	EPIC MC05C2LSBSB22RV150-PFB	EPIC MC05C2RSBSB22RV150-PFB
		7433501556	7433501561

### Cable's Color Coding & Wiring

Poles & Wire Color Pin	Profibus DP	Standard
Pin 1	NG	BN
Pin 2	GN	WH
Pin 3	NG	BU
Pin 4	RD	BK
Pin 5	NG	GY
Shell	Braid	Braid

## M12 D-Code



M12 D-Code male connector, molded with Cat 5e S/FTP ethernet cable, EMI-Shielded, free end



### Connector Technical data

Contacts No .	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.34mm <sup>2</sup> (AWG 22)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LSD6B22CG10-PFN	EPIC MC04C1LSD6B22RG10-PFN	EPIC MC04C1RSD6B22CG10-PFN	EPIC MC04C1RSD6B22RG10-PFN
		7433501562	7433501568	7433501574	7433501580
	2 m	EPIC MC04C1LSD6B22CG20-PFN	EPIC MC04C1LSD6B22RG20-PFN	EPIC MC04C1RSD6B22CG20-PFN	EPIC MC04C1RSD6B22RG20-PFN
		7433501563	7433501569	7433501575	7433501581
	3 m	EPIC MC04C1LSD6B22CG30-PFN	EPIC MC04C1LSD6B22RG30-PFN	EPIC MC04C1RSD6B22CG30-PFN	EPIC MC04C1RSD6B22RG30-PFN
		7433501564	7433501570	7433501576	7433501582
	5 m	EPIC MC04C1LSD6B22CG50-PFN	EPIC MC04C1LSD6B22RG50-PFN	EPIC MC04C1RSD6B22CG50-PFN	EPIC MC04C1RSD6B22RG50-PFN
		7433501565	7433501571	7433501577	7433501583
	10 m	EPIC MC04C1LSD6B22CG100-PFN	EPIC MC04C1LSD6B22RG100-PFN	EPIC MC04C1RSD6B22CG100-PFN	EPIC MC04C1RSD6B22RG100-PFN
		7433501566	7433501572	7433501578	7433501584
	15 m	EPIC MC04C1LSD6B22CG150-PFN	EPIC MC04C1LSD6B22RG150-PFN	EPIC MC04C1RSD6B22CG150-PFN	EPIC MC04C1RSD6B22RG150-PFN
		7433501567	7433501573	7433501579	7433501585

### Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	YE	WH/OR
Pin 2	WH	WH/GN
Pin 3	OR	OR
Pin 4	BU	GN
Shell	Braid	Braid

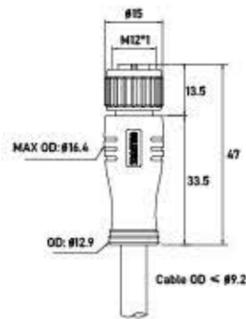


## M12 D-Code

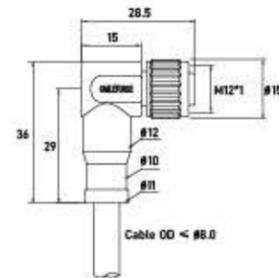


M12 D-Code female connector, molded with Cat 5e S/FTP ethernet cable, EMI-Shielded, free end

180° Straight



90° Right Angled



## M12 X-Code

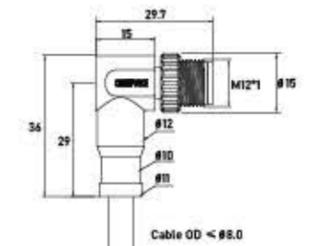


M12 X-Code male connector, molded with Cat 6A S/FTP ethernet cable, EMI/RFI-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data	
Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.34mm <sup>2</sup> (AWG 22)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LSD8B22CG10-PFN	EPIC MC04C2LSD8B22RG10-PFN	EPIC MC04C2RSD8B22CG10-PFN	EPIC MC04C2RSD8B22RG10-PFN
		7433501586	7433501592	7433501598	7433501604
	2 m	EPIC MC04C2LSD8B22CG20-PFN	EPIC MC04C2LSD8B22RG20-PFN	EPIC MC04C2RSD8B22CG20-PFN	EPIC MC04C2RSD8B22RG20-PFN
		7433501587	7433501593	7433501599	7433501605
	3 m	EPIC MC04C2LSD8B22CG30-PFN	EPIC MC04C2LSD8B22RG30-PFN	EPIC MC04C2RSD8B22CG30-PFN	EPIC MC04C2RSD8B22RG30-PFN
		7433501588	7433501594	7433501600	7433501606
	5 m	EPIC MC04C2LSD8B22CG50-PFN	EPIC MC04C2LSD8B22RG50-PFN	EPIC MC04C2RSD8B22CG50-PFN	EPIC MC04C2RSD8B22RG50-PFN
		7433501589	7433501595	7433501601	7433501607
	10 m	EPIC MC04C2LSD8B22CG100-PFN	EPIC MC04C2LSD8B22RG100-PFN	EPIC MC04C2RSD8B22CG100-PFN	EPIC MC04C2RSD8B22RG100-PFN
		7433501590	7433501596	7433501602	7433501608
	15 m	EPIC MC04C2LSD8B22CG150-PFN	EPIC MC04C2LSD8B22RG150-PFN	EPIC MC04C2RSD8B22CG150-PFN	EPIC MC04C2RSD8B22RG150-PFN
		7433501591	7433501597	7433501603	7433501609

Cable's Color Coding & Wiring			
Poles & Wire Color Pin			
Pin 1	YE	WH/OR	WH/OR
Pin 2	WH	WH/GN	OR
Pin 3	OR	OR	WH/GN
Pin 4	BU	GN	GN
Shell	Braid	Braid	WH/BU
			BU
			Braid

Connector Technical data					
Contacts No.	8Pin				
Front View					
Reference Standard	IEC 61076-2-109				
Rated current	0.5A				
Rated voltage	50V AC, 60V DC				
Impulse voltage	800V				
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Termination	Soldering				
Wire gauge	0.14mm <sup>2</sup> (AWG 26)				
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1LSXSB26CG10-PFN	EPIC MC08C1LSXSB26RG10-PFN	EPIC MC08C1RSXSB26CG10-PFN	EPIC MC08C1RSXSB26RG10-PFN
		7433501610	7433501616	7433501622	7433501628
	2 m	EPIC MC08C1LSXSB26CG20-PFN	EPIC MC08C1LSXSB26RG20-PFN	EPIC MC08C1RSXSB26CG20-PFN	EPIC MC08C1RSXSB26RG20-PFN
		7433501611	7433501617	7433501623	7433501629
	3 m	EPIC MC08C1LSXSB26CG30-PFN	EPIC MC08C1LSXSB26RG30-PFN	EPIC MC08C1RSXSB26CG30-PFN	EPIC MC08C1RSXSB26RG30-PFN
		7433501612	7433501618	7433501624	7433501630
	5 m	EPIC MC08C1LSXSB26CG50-PFN	EPIC MC08C1LSXSB26RG50-PFN	EPIC MC08C1RSXSB26CG50-PFN	EPIC MC08C1RSXSB26RG50-PFN
		7433501613	7433501619	7433501625	7433501631
	10 m	EPIC MC08C1LSXSB26CG100-PFN	EPIC MC08C1LSXSB26RG100-PFN	EPIC MC08C1RSXSB26CG100-PFN	EPIC MC08C1RSXSB26RG100-PFN
		7433501614	7433501620	7433501626	7433501632
	15 m	EPIC MC08C1LSXSB26CG150-PFN	EPIC MC08C1LSXSB26RG150-PFN	EPIC MC08C1RSXSB26CG150-PFN	EPIC MC08C1RSXSB26RG150-PFN
		7433501615	7433501621	7433501627	7433501633

Cable's Color Coding & Wiring			
Poles & Wire Color Pin			
Pin 1	WH/OR	WH/OR	WH/OR
Pin 2	OR	OR	OR
Pin 3	WH/GN	WH/GN	WH/GN
Pin 4	GN	GN	GN
Pin 5	WH/BN	WH/BN	WH/BN
Pin 6	BN	BN	BN
Pin 7	WH/BU	WH/BU	WH/BU
Pin 8	BU	BU	BU
Shell	Braid	Braid	Braid



M12 X-Code female connector, molded with Cat 6A S/FTP ethernet cable, EMI-Shielded, free end



M12 X-Code male connector, molded with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end



Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Wire gauge	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C2L8XB26CG10-PFN 7433501634	EPIC MC08C2L8XB26RG10-PFN 7433501640	EPIC MC08C2R8XB26CG10-PFN 7433501646	EPIC MC08C2R8XB26RG10-PFN 7433501652
		EPIC MC08C2L8XB26CG20-PFN 7433501635	EPIC MC08C2L8XB26RG20-PFN 7433501641	EPIC MC08C2R8XB26CG20-PFN 7433501647	EPIC MC08C2R8XB26RG20-PFN 7433501653
	2 m	EPIC MC08C2L8XB26CG30-PFN 7433501636	EPIC MC08C2L8XB26RG30-PFN 7433501642	EPIC MC08C2R8XB26CG30-PFN 7433501648	EPIC MC08C2R8XB26RG30-PFN 7433501654
		EPIC MC08C2L8XB26CG50-PFN 7433501637	EPIC MC08C2L8XB26RG50-PFN 7433501643	EPIC MC08C2R8XB26CG50-PFN 7433501649	EPIC MC08C2R8XB26RG50-PFN 7433501655
	3 m	EPIC MC08C2L8XB26CG100-PFN 7433501638	EPIC MC08C2L8XB26RG100-PFN 7433501644	EPIC MC08C2R8XB26CG100-PFN 7433501650	EPIC MC08C2R8XB26RG100-PFN 7433501656
		EPIC MC08C2L8XB26CG150-PFN 7433501639	EPIC MC08C2L8XB26RG150-PFN 7433501645	EPIC MC08C2R8XB26CG150-PFN 7433501651	EPIC MC08C2R8XB26RG150-PFN 7433501657

Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shield	Braid	Braid

Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1R8XB-26CG10-EM 7433501668	EPIC MC08C1R8XB-26RG10-EM 7433501664	EPIC MC08C2R8XB-26CG10-EM 7433501670	EPIC MC08C2R8XB-26RG10-EM 7433501676
		EPIC MC08C1R8XB-26CG20-EM 7433501669	EPIC MC08C1R8XB-26RG20-EM 7433501665	EPIC MC08C2R8XB-26CG20-EM 7433501671	EPIC MC08C2R8XB-26RG20-EM 7433501677
	2 m	EPIC MC08C1R8XB-26CG30-EM 7433501680	EPIC MC08C1R8XB-26RG30-EM 7433501666	EPIC MC08C2R8XB-26CG30-EM 7433501672	EPIC MC08C2R8XB-26RG30-EM 7433501678
		EPIC MC08C1R8XB-26CG50-EM 7433501681	EPIC MC08C1R8XB-26RG50-EM 7433501667	EPIC MC08C2R8XB-26CG50-EM 7433501673	EPIC MC08C2R8XB-26RG50-EM 7433501679
	3 m	EPIC MC08C1R8XB-26CG100-EM 7433501682	EPIC MC08C1R8XB-26RG100-EM 7433501668	EPIC MC08C2R8XB-26CG100-EM 7433501674	EPIC MC08C2R8XB-26RG100-EM 7433501680
		EPIC MC08C1R8XB-26CG150-EM 7433501683	EPIC MC08C1R8XB-26RG150-EM 7433501669	EPIC MC08C2R8XB-26CG150-EM 7433501675	EPIC MC08C2R8XB-26RG150-EM 7433501681

Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shield	Braid	Braid

M12 S-Code male connector, molded cable, Un-shielded, free end



M12 S-Code female connector, molded cable, Un-shielded, free end



Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	N / A	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C1LCSB16CK10	EPIC MCD3C1LCSB16RK10	EPIC MCD3C1RCSB16CK10	EPIC MC03C1RCSB16RK10
		7433501682	7433501686	7433501698	7433501702
	3 m	EPIC MC03C1LCSB16CK30	EPIC MCD3C1LCSB16RK30	EPIC MCD3C1RCSB16CK30	EPIC MC03C1RCSB16RK30
		7433501683	7433501687	7433501699	7433501703
5 m	EPIC MC03C1LCSB16CK50	EPIC MCD3C1LCSB16RK50	EPIC MCD3C1RCSB16CK50	EPIC MC03C1RCSB16RK50	
	7433501684	7433501688	7433501700	7433501704	
10 m	EPIC MC03C1LCSB16CK100	EPIC MCD3C1LCSB16RK100	EPIC MCD3C1RCSB16CK100	EPIC MC03C1RCSB16RK100	
	7433501685	7433501689	7433501701	7433501705	
3+PE (4 Pin)	1 m	EPIC MCD4C1LCSB16CK10	EPIC MCD4C1LCSB16RK10	EPIC MCD4C1RCSB16CK10	EPIC MC04C1RCSB16RK10
		7433501690	7433501694	7433501706	7433501710
	3 m	EPIC MCD4C1LCSB16CK30	EPIC MCD4C1LCSB16RK30	EPIC MCD4C1RCSB16CK30	EPIC MC04C1RCSB16RK30
		7433501691	7433501695	7433501707	7433501711
	5 m	EPIC MCD4C1LCSB16CK50	EPIC MCD4C1LCSB16RK50	EPIC MCD4C1RCSB16CK50	EPIC MC04C1RCSB16RK50
		7433501692	7433501696	7433501708	7433501712
	10 m	EPIC MCD4C1LCSB16CK100	EPIC MCD4C1LCSB16RK100	EPIC MCD4C1RCSB16CK100	EPIC MC04C1RCSB16RK100
		7433501693	7433501697	7433501709	7433501713

Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	SU	BK3
Pin 4	YE/GN	YE/GN

Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LC0B16CK10	EPIC MC03C2LC0B16RK10	EPIC MC03C2RC0B16CK10	EPIC MC03C2RC0B16RK10
		7433501714	7433501718	7433501730	7433501734
	3 m	EPIC MC03C2LC0B16CK30	EPIC MC03C2LC0B16RK30	EPIC MC03C2RC0B16CK30	EPIC MC03C2RC0B16RK30
		7433501715	7433501719	7433501731	7433501735
	5 m	EPIC MC03C2LC0B16CK50	EPIC MC03C2LC0B16RK50	EPIC MC03C2RC0B16CK50	EPIC MC03C2RC0B16RK50
		7433501716	7433501720	7433501732	7433501736
	10 m	EPIC MC03C2LC0B16CK100	EPIC MC03C2LC0B16RK100	EPIC MC03C2RC0B16CK100	EPIC MC03C2RC0B16RK100
		7433501717	7433501721	7433501733	7433501737
3+PE (4 Pin)	1 m	EPIC MCD4C2LC0B16CK10	EPIC MCD4C2LC0B16RK10	EPIC MCD4C2RC0B16CK10	EPIC MCD4C2RC0B16RK10
		7433501722	7433501726	7433501738	7433501742
	3 m	EPIC MCD4C2LC0B16CK30	EPIC MCD4C2LC0B16RK30	EPIC MCD4C2RC0B16CK30	EPIC MCD4C2RC0B16RK30
		7433501723	7433501727	7433501739	7433501743
	5 m	EPIC MCD4C2LC0B16CK50	EPIC MCD4C2LC0B16RK50	EPIC MCD4C2RC0B16CK50	EPIC MCD4C2RC0B16RK50
		7433501724	7433501728	7433501740	7433501744
	10 m	EPIC MCD4C2LC0B16CK100	EPIC MCD4C2LC0B16RK100	EPIC MCD4C2RC0B16CK100	EPIC MCD4C2RC0B16RK100
		7433501725	7433501729	7433501741	7433501745

Cable's Color Coding & Wiring

Poles & Wire Color Pin		
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	SU	BK3
Pin 4	YE/GN	YE/GN

M12 S-Code male connector, molded with 12A power cable, EMI-Shielded, free end



M12 S-Code female connector, molded with 12A power cable, EMI-Shielded, free end



Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	N / A	
Protection degree	IP67	
Pollution degree	3	

Connector Technical data		
Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V AC	
Impulse voltage	5000V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C1LCSSB16CK10	EPIC MC03C1LCSSB16RK10	EPIC MC03C1RCSSB16CK10	EPIC MC03C1RCSSB16RK10
		7433501746	7433501750	7433501762	7433501766
	3 m	EPIC MC03C1LCSSB16CK30	EPIC MC03C1LCSSB16RK30	EPIC MC03C1RCSSB16CK30	EPIC MC03C1RCSSB16RK30
		7433501747	7433501751	7433501763	7433501767
5 m	EPIC MC03C1LCSSB16CK50	EPIC MC03C1LCSSB16RK50	EPIC MC03C1RCSSB16CK50	EPIC MC03C1RCSSB16RK50	
	7433501748	7433501752	7433501764	7433501768	
3+PE (4 Pin)	1 m	EPIC MC04C1LCSSB16CK10	EPIC MC04C1LCSSB16RK10	EPIC MC04C1RCSSB16CK10	EPIC MC04C1RCSSB16RK10
		7433501754	7433501758	7433501770	7433501774
	3 m	EPIC MC04C1LCSSB16CK30	EPIC MC04C1LCSSB16RK30	EPIC MC04C1RCSSB16CK30	EPIC MC04C1RCSSB16RK30
		7433501755	7433501759	7433501771	7433501775
5 m	EPIC MC04C1LCSSB16CK50	EPIC MC04C1LCSSB16RK50	EPIC MC04C1RCSSB16CK50	EPIC MC04C1RCSSB16RK50	
	7433501756	7433501760	7433501772	7433501776	
10 m	EPIC MC04C1LCSSB16CK100	EPIC MC04C1LCSSB16RK100	EPIC MC04C1RCSSB16CK100	EPIC MC04C1RCSSB16RK100	
	7433501757	7433501761	7433501773	7433501777	

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCSSB16CK10	EPIC MC03C2LCSSB16RK10	EPIC MC03C2RCSSB16CK10	EPIC MC03C2RCSSB16RK10
		7433501778	7433501782	7433501794	7433501798
	3 m	EPIC MC03C2LCSSB16CK30	EPIC MC03C2LCSSB16RK30	EPIC MC03C2RCSSB16CK30	EPIC MC03C2RCSSB16RK30
		7433501779	7433501783	7433501795	7433501799
5 m	EPIC MC03C2LCSSB16CK50	EPIC MC03C2LCSSB16RK50	EPIC MC03C2RCSSB16CK50	EPIC MC03C2RCSSB16RK50	
	7433501780	7433501784	7433501796	7433501800	
3+PE (4 Pin)	1 m	EPIC MC04C2LCSSB16CK100	EPIC MC04C2LCSSB16RK100	EPIC MC04C2RCSSB16CK100	EPIC MC04C2RCSSB16RK100
		7433501781	7433501785	7433501797	7433501801
	3 m	EPIC MC04C2LCSSB16CK30	EPIC MC04C2LCSSB16RK30	EPIC MC04C2RCSSB16CK30	EPIC MC04C2RCSSB16RK30
		7433501787	7433501791	7433501803	7433501807
5 m	EPIC MC04C2LCSSB16CK50	EPIC MC04C2LCSSB16RK50	EPIC MC04C2RCSSB16CK50	EPIC MC04C2RCSSB16RK50	
	7433501788	7433501792	7433501804	7433501808	
10 m	EPIC MC04C2LCSSB16CK100	EPIC MC04C2LCSSB16RK100	EPIC MC04C2RCSSB16CK100	EPIC MC04C2RCSSB16RK100	
	7433501789	7433501793	7433501805	7433501809	

Cable's Color Coding & Wiring			
Poles & Wire Color/Pin			
Pin 1	RD	BK1	
Pin 2	BK	BK2	
Pin 3	BU	BK3	
Pin 4	YE/GN	YE/GN	
Shell	Braid	Braid	

Cable's Color Coding & Wiring			
Poles & Wire Color Pin			
Pin 1	RD	BK1	
Pin 2	BK	BK2	
Pin 3	BU	BK3	
Pin 4	YE/GN	YE/GN	
Shell	Braid	Braid	

M12 T-Code male connector, molded with 12A power cable, Un-shielded, free end



M12 T-Code female connector, molded with 12A power cable, Un-shielded, free end



Connector Technical data

Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LCTB16CK10	EPIC MC04C1LCTB16RK10	EPIC MC04C1RCTB16CK10	EPIC MC04C1RCTB16RK10
		7433501810	7433501816	7433501822	7433501828
	2 m	EPIC MC04C1LCTB16CK20	EPIC MC04C1LCTB16RK20	EPIC MC04C1RCTB16CK20	EPIC MC04C1RCTB16RK20
		7433501811	7433501817	7433501823	7433501829
	3 m	EPIC MC04C1LCTB16CK30	EPIC MC04C1LCTB16RK30	EPIC MC04C1RCTB16CK30	EPIC MC04C1RCTB16RK30
		7433501812	7433501818	7433501824	7433501830
	5 m	EPIC MC04C1LCTB16CK50	EPIC MC04C1LCTB16RK50	EPIC MC04C1RCTB16CK50	EPIC MC04C1RCTB16RK50
		7433501813	7433501819	7433501825	7433501831
	10 m	EPIC MC04C1LCTB16CK100	EPIC MC04C1LCTB16RK100	EPIC MC04C1RCTB16CK100	EPIC MC04C1RCTB16RK100
		7433501814	7433501820	7433501826	7433501832
	15 m	EPIC MC04C1LCTB16CK150	EPIC MC04C1LCTB16RK150	EPIC MC04C1RCTB16CK150	EPIC MC04C1RCTB16RK150
		7433501815	7433501821	7433501827	7433501833

Cable's Color Coding & Wiring

Poles & Wire Color	Pin			
Pin 1	BN		RD	BK1
Pin 2	WH		BK	BK2
Pin 3	BU		BU	BK3
Pin 4	BK		YE/GN	YE/GN

Connector Technical data

Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LCTB16CK10	EPIC MC04C2LCTB16RK10	EPIC MC04C2RCTB16CK10	EPIC MC04C2RCTB16RK10
		7433501834	7433501840	7433501846	7433501852
	2 m	EPIC MC04C2LCTB16CK20	EPIC MC04C2LCTB16RK20	EPIC MC04C2RCTB16CK20	EPIC MC04C2RCTB16RK20
		7433501835	7433501841	7433501847	7433501853
	3 m	EPIC MC04C2LCTB16CK30	EPIC MC04C2LCTB16RK30	EPIC MC04C2RCTB16CK30	EPIC MC04C2RCTB16RK30
		7433501836	7433501842	7433501848	7433501854
	5 m	EPIC MC04C2LCTB16CK50	EPIC MC04C2LCTB16RK50	EPIC MC04C2RCTB16CK50	EPIC MC04C2RCTB16RK50
		7433501837	7433501843	7433501849	7433501855
	10 m	EPIC MC04C2LCTB16CK100	EPIC MC04C2LCTB16RK100	EPIC MC04C2RCTB16CK100	EPIC MC04C2RCTB16RK100
		7433501838	7433501844	7433501850	7433501856
	15 m	EPIC MC04C2LCTB16CK150	EPIC MC04C2LCTB16RK150	EPIC MC04C2RCTB16CK150	EPIC MC04C2RCTB16RK150
		7433501839	7433501845	7433501851	7433501857

Cable's Color Coding & Wiring

Poles & Wire Color	Pin			
Pin 1	BN		RD	BK1
Pin 2	WH		BK	BK2
Pin 3	BU		BU	BK3
Pin 4	BK		YE/GN	YE/GN

# M12 T-Code



M12 T-Code male connector, molded with 12A power cable, EMI-Shielded, free end



# M12 T-Code



M12 T-Code female connector, molded with 12A power cable, EMI-Shielded, free end



### Connector Technical data

Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C1LCTSB16CK10	EPIC MC04C1LCTSB16RK10	EPIC MC04C1RCTSB16CK10	EPIC MC04C1RCTSB16RK10
		7433501858	7433501864	7433501870	7433501876
	2 m	EPIC MC04C1LCTSB16CK20	EPIC MC04C1LCTSB16RK20	EPIC MC04C1RCTSB16CK20	EPIC MC04C1RCTSB16RK20
		7433501859	7433501865	7433501871	7433501877
	3 m	EPIC MC04C1LCTSB16CK30	EPIC MC04C1LCTSB16RK30	EPIC MC04C1RCTSB16CK30	EPIC MC04C1RCTSB16RK30
		7433501860	7433501866	7433501872	7433501878
	5 m	EPIC MC04C1LCTSB16CK50	EPIC MC04C1LCTSB16RK50	EPIC MC04C1RCTSB16CK50	EPIC MC04C1RCTSB16RK50
		7433501861	7433501867	7433501873	7433501879
	10 m	EPIC MC04C1LCTSB16CK100	EPIC MC04C1LCTSB16RK100	EPIC MC04C1RCTSB16CK100	EPIC MC04C1RCTSB16RK100
		7433501862	7433501868	7433501874	7433501880
	15 m	EPIC MC04C1LCTSB16CK150	EPIC MC04C1LCTSB16RK150	EPIC MC04C1RCTSB16CK150	EPIC MC04C1RCTSB16RK150
		7433501863	7433501869	7433501875	7433501881

### Cable's Color Coding & Wiring

Poles & Wire Color	Pin			
Pin 1	BN		RD	BK1
Pin 2	WH		BK	BK2
Pin 3	BU		BU	BK3
Pin 4	BK	YE/GN	YE/GN	YE/GN
Shell	Braid	Braid	Braid	Braid

### Connector Technical data

Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4Pin	1 m	EPIC MC04C2LCTSB16CK10	EPIC MC04C2LCTSB16RK10	EPIC MC04C2RCTSB16CK10	EPIC MC04C2RCTSB16RK10
		7433501882	7433501888	7433501894	7433501900
	2 m	EPIC MC04C2LCTSB16CK20	EPIC MC04C2LCTSB16RK20	EPIC MC04C2RCTSB16CK20	EPIC MC04C2RCTSB16RK20
		7433501883	7433501889	7433501895	7433501901
	3 m	EPIC MC04C2LCTSB16CK30	EPIC MC04C2LCTSB16RK30	EPIC MC04C2RCTSB16CK30	EPIC MC04C2RCTSB16RK30
		7433501884	7433501890	7433501896	7433501902
	5 m	EPIC MC04C2LCTSB16CK50	EPIC MC04C2LCTSB16RK50	EPIC MC04C2RCTSB16CK50	EPIC MC04C2RCTSB16RK50
		7433501885	7433501891	7433501897	7433501903
	10 m	EPIC MC04C2LCTSB16CK100	EPIC MC04C2LCTSB16RK100	EPIC MC04C2RCTSB16CK100	EPIC MC04C2RCTSB16RK100
		7433501886	7433501892	7433501898	7433501904
	15 m	EPIC MC04C2LCTSB16CK150	EPIC MC04C2LCTSB16RK150	EPIC MC04C2RCTSB16CK150	EPIC MC04C2RCTSB16RK150
		7433501887	7433501893	7433501899	7433501905

### Cable's Color Coding & Wiring

Poles & Wire Color	Pin			
Pin 1	BN		RD	BK1
Pin 2	WH		BK	BK2
Pin 3	BU		BU	BK3
Pin 4	BK	YE/GN	YE/GN	YE/GN
Shell	Braid	Braid	Braid	Braid

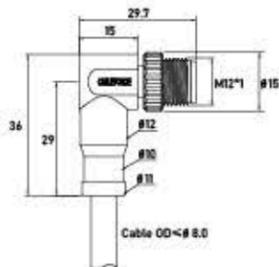


M12 K-Code male connector, molded with 16A power cable, Un-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	2.5mm <sup>2</sup> (14AWG)		
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass, PE Pin: Phosphor bronze		
Contacts plating	Au (Gold)		
O-Ring	N / A		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

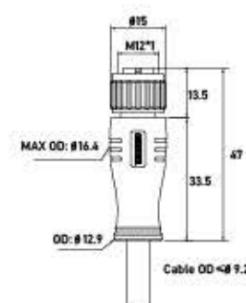
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC03C1LCKB-16CK10 7433501906	EPIC MC03C1LCKB-16RK10 7433501911	EPIC MC03C1RCKB-16CK10 7433501936	EPIC MC03C1RCKB-16RK10 7433501941
		EPIC MC03C1LCKB-16CK20 7433501907	EPIC MC03C1LCKB-16RK20 7433501912	EPIC MC03C1RCKB-16CK20 7433501937	EPIC MC03C1RCKB-16RK20 7433501942
	2 m	EPIC MC03C1LCKB-16CK30 7433501908	EPIC MC03C1LCKB-16RK30 7433501913	EPIC MC03C1RCKB-16CK30 7433501938	EPIC MC03C1RCKB-16RK30 7433501943
		EPIC MC03C1LCKB-16CK50 7433501909	EPIC MC03C1LCKB-16RK50 7433501914	EPIC MC03C1RCKB-16CK50 7433501939	EPIC MC03C1RCKB-16RK50 7433501944
	10 m	EPIC MC03C1LCKB-16CK100 7433501910	EPIC MC03C1LCKB-16RK100 7433501915	EPIC MC03C1RCKB-16CK100 7433501940	EPIC MC03C1RCKB-16RK100 7433501945
3+PE (4Pin)	1 m	EPIC MC04C1LCKB-16CK10 7433501916	EPIC MC04C1LCKB-16RK10 7433501921	EPIC MC04C1RCKB-16CK10 7433501946	EPIC MC04C1RCKB-16RK10 7433501951
		EPIC MC04C1LCKB-16CK20 7433501917	EPIC MC04C1LCKB-16RK20 7433501922	EPIC MC04C1RCKB-16CK20 7433501947	EPIC MC04C1RCKB-16RK20 7433501952
	2 m	EPIC MC04C1LCKB-16CK30 7433501918	EPIC MC04C1LCKB-16RK30 7433501923	EPIC MC04C1RCKB-16CK30 7433501948	EPIC MC04C1RCKB-16RK30 7433501953
		EPIC MC04C1LCKB-16CK50 7433501919	EPIC MC04C1LCKB-16RK50 7433501924	EPIC MC04C1RCKB-16CK50 7433501949	EPIC MC04C1RCKB-16RK50 7433501954
	10 m	EPIC MC04C1LCKB-16CK100 7433501920	EPIC MC04C1LCKB-16RK100 7433501925	EPIC MC04C1RCKB-16CK100 7433501950	EPIC MC04C1RCKB-16RK100 7433501955
4+PE (5Pin)	1 m	EPIC MC05C1LCKB-16CK10 7433501926	EPIC MC05C1LCKB-16RK10 7433501931	EPIC MC05C1RCKB-16CK10 7433501956	EPIC MC05C1RCKB-16RK10 7433501961
		EPIC MC05C1LCKB-16CK20 7433501927	EPIC MC05C1LCKB-16RK20 7433501932	EPIC MC05C1RCKB-16CK20 7433501957	EPIC MC05C1RCKB-16RK20 7433501962
	2 m	EPIC MC05C1LCKB-16CK30 7433501928	EPIC MC05C1LCKB-16RK30 7433501933	EPIC MC05C1RCKB-16CK30 7433501958	EPIC MC05C1RCKB-16RK30 7433501963
		EPIC MC05C1LCKB-16CK50 7433501929	EPIC MC05C1LCKB-16RK50 7433501934	EPIC MC05C1RCKB-16CK50 7433501959	EPIC MC05C1RCKB-16RK50 7433501964
	10 m	EPIC MC05C1LCKB-16CK100 7433501930	EPIC MC05C1LCKB-16RK100 7433501935	EPIC MC05C1RCKB-16CK100 7433501960	EPIC MC05C1RCKB-16RK100 7433501965

Cable's Color Coding & Wiring

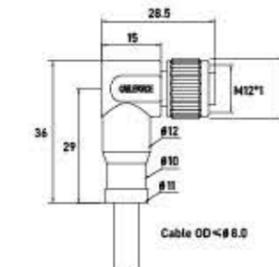
Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PEPin 5	YE/GN	YE/GN	YE/GN

M12 K-Code female connector, molded with 16A power cable, Un-Shielded, free end

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	2.5mm <sup>2</sup> (14AWG)		
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Female: Phosphor bronze, PE Pin: Brass		
Contacts plating	Au (Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pin)	1 m	EPIC MC03C2LCKB-16CK10 7433501966	EPIC MC03C2LCKB-16RK10 7433501971	EPIC MC03C2RCKB-16CK10 7433501966	EPIC MC03C2RCKB-16RK10 7433502001
		EPIC MC03C2LCKB-16CK20 7433501967	EPIC MC03C2LCKB-16RK20 7433501972	EPIC MC03C2RCKB-16CK20 7433501967	EPIC MC03C2RCKB-16RK20 7433502002
	2 m	EPIC MC03C2LCKB-16CK30 7433501968	EPIC MC03C2LCKB-16RK30 7433501973	EPIC MC03C2RCKB-16CK30 7433501968	EPIC MC03C2RCKB-16RK30 7433502003
		EPIC MC03C2LCKB-16CK50 7433501969	EPIC MC03C2LCKB-16RK50 7433501974	EPIC MC03C2RCKB-16CK50 7433501969	EPIC MC03C2RCKB-16RK50 7433502004
	10 m	EPIC MC03C2LCKB-16CK100 7433501970	EPIC MC03C2LCKB-16RK100 7433501975	EPIC MC03C2RCKB-16CK100 7433502000	EPIC MC03C2RCKB-16RK100 7433502005
3+PE (4Pin)	1 m	EPIC MC04C2LCKB-16CK10 7433501976	EPIC MC04C2LCKB-16RK10 7433501981	EPIC MC04C2RCKB-16CK10 7433502006	EPIC MC04C2RCKB-16RK10 7433502011
		EPIC MC04C2LCKB-16CK20 7433501977	EPIC MC04C2LCKB-16RK20 7433501982	EPIC MC04C2RCKB-16CK20 7433502007	EPIC MC04C2RCKB-16RK20 7433502012
	2 m	EPIC MC04C2LCKB-16CK30 7433501978	EPIC MC04C2LCKB-16RK30 7433501983	EPIC MC04C2RCKB-16CK30 7433502008	EPIC MC04C2RCKB-16RK30 7433502013
		EPIC MC04C2LCKB-16CK50 7433501979	EPIC MC04C2LCKB-16RK50 7433501984	EPIC MC04C2RCKB-16CK50 7433502009	EPIC MC04C2RCKB-16RK50 7433502014
	10 m	EPIC MC04C2LCKB-16CK100 7433501980	EPIC MC04C2LCKB-16RK100 7433501985	EPIC MC04C2RCKB-16CK100 7433502010	EPIC MC04C2RCKB-16RK100 7433502015
4+PE (5Pin)	1 m	EPIC MC05C2LCKB-16CK10 7433501986	EPIC MC05C2LCKB-16RK10 7433501991	EPIC MC05C2RCKB-16CK10 7433502016	EPIC MC05C2RCKB-16RK10 7433502021
		EPIC MC05C2LCKB-16CK20 7433501987	EPIC MC05C2LCKB-16RK20 7433501992	EPIC MC05C2RCKB-16CK20 7433502017	EPIC MC05C2RCKB-16RK20 7433502022
	2 m	EPIC MC05C2LCKB-16CK30 7433501988	EPIC MC05C2LCKB-16RK30 7433501993	EPIC MC05C2RCKB-16CK30 7433502018	EPIC MC05C2RCKB-16RK30 7433502023
		EPIC MC05C2LCKB-16CK50 7433501989	EPIC MC05C2LCKB-16RK50 7433501994	EPIC MC05C2RCKB-16CK50 7433502019	EPIC MC05C2RCKB-16RK50 7433502024
	10 m	EPIC MC05C2LCKB-16CK100 7433501990	EPIC MC05C2LCKB-16RK100 7433501995	EPIC MC05C2RCKB-16CK100 7433502020	EPIC MC05C2RCKB-16RK100 7433502025

Cable's Color Coding & Wiring

Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PEPin 5	YE/GN	YE/GN	YE/GN

# M12 L-Code



M12 L-Code male connector, molded with 16A power cable, Un-Shielded, free end



Connector Technical data					
Contacts No.	2-PE (3Pn)	3Pn	3+PE (4Pn)	4Pn	4+PE (5Pn)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Insulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm				
Termination	Crimping				
Wire gauge	2.5mm <sup>2</sup> (14AWG)				
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, PE Plt: Phosphor bronze				
Contacts plating	Au (20k)				
O-Ring	N/A				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pn)	1 m	EPIC MC2EC1CLB-16CK10 7433502028	EPIC MC2EC1CLB-16RK10 7433502030	EPIC MC2EC1RCLB-16CK10 7433502066	EPIC MC2EC1RCLB-16RK10 7433502070
	2 m	EPIC MC2EC1CLB-16CK20 7433502027	EPIC MC2EC1CLB-16RK20 7433502031	EPIC MC2EC1RCLB-16CK20 7433502067	EPIC MC2EC1RCLB-16RK20 7433502071
	3 m	EPIC MC2EC1CLB-16CK30 7433502028	EPIC MC2EC1CLB-16RK30 7433502032	EPIC MC2EC1RCLB-16CK30 7433502068	EPIC MC2EC1RCLB-16RK30 7433502072
	5 m	EPIC MC2EC1CLB-16CK50 7433502029	EPIC MC2EC1CLB-16RK50 7433502033	EPIC MC2EC1RCLB-16CK50 7433502069	EPIC MC2EC1RCLB-16RK50 7433502073
	1 m	EPIC MC03C1CLB-16CK10 7433502034	EPIC MC03C1CLB-16RK10 7433502036	EPIC MC03C1RCLB-16CK10 7433502074	EPIC MC03C1RCLB-16RK10 7433502078
3Pn	2 m	EPIC MC03C1CLB-16CK20 7433502035	EPIC MC03C1CLB-16RK20 7433502039	EPIC MC03C1RCLB-16CK20 7433502075	EPIC MC03C1RCLB-16RK20 7433502079
	3 m	EPIC MC03C1CLB-16CK30 7433502036	EPIC MC03C1CLB-16RK30 7433502040	EPIC MC03C1RCLB-16CK30 7433502076	EPIC MC03C1RCLB-16RK30 7433502080
	5 m	EPIC MC03C1CLB-16CK50 7433502037	EPIC MC03C1CLB-16RK50 7433502041	EPIC MC03C1RCLB-16CK50 7433502077	EPIC MC03C1RCLB-16RK50 7433502081
	1 m	EPIC MC3EC1CLB-16CK10 7433502042	EPIC MC3EC1CLB-16RK10 7433502046	EPIC MC3EC1RCLB-16CK10 7433502082	EPIC MC3EC1RCLB-16RK10 7433502086
	2 m	EPIC MC3EC1CLB-16CK20 7433502043	EPIC MC3EC1CLB-16RK20 7433502047	EPIC MC3EC1RCLB-16CK20 7433502083	EPIC MC3EC1RCLB-16RK20 7433502087
3+PE (4Pn)	3 m	EPIC MC3EC1CLB-16CK30 7433502044	EPIC MC3EC1CLB-16RK30 7433502048	EPIC MC3EC1RCLB-16CK30 7433502084	EPIC MC3EC1RCLB-16RK30 7433502088
	5 m	EPIC MC3EC1CLB-16CK50 7433502045	EPIC MC3EC1CLB-16RK50 7433502049	EPIC MC3EC1RCLB-16CK50 7433502085	EPIC MC3EC1RCLB-16RK50 7433502089
	1 m	EPIC MC04C1CLB-16CK10 7433502050	EPIC MC04C1CLB-16RK10 7433502054	EPIC MC04C1RCLB-16CK10 7433502090	EPIC MC04C1RCLB-16RK10 7433502094
	2 m	EPIC MC04C1CLB-16CK20 7433502051	EPIC MC04C1CLB-16RK20 7433502055	EPIC MC04C1RCLB-16CK20 7433502091	EPIC MC04C1RCLB-16RK20 7433502095
	3 m	EPIC MC04C1CLB-16CK30 7433502052	EPIC MC04C1CLB-16RK30 7433502056	EPIC MC04C1RCLB-16CK30 7433502092	EPIC MC04C1RCLB-16RK30 7433502096
4Pn	5 m	EPIC MC04C1CLB-16CK50 7433502053	EPIC MC04C1CLB-16RK50 7433502057	EPIC MC04C1RCLB-16CK50 7433502093	EPIC MC04C1RCLB-16RK50 7433502097
	1 m	EPIC MC4EC1CLB-16CK10 7433502058	EPIC MC4EC1CLB-16RK10 7433502062	EPIC MC4EC1RCLB-16CK10 7433502098	EPIC MC4EC1RCLB-16RK10 7433502102
	2 m	EPIC MC4EC1CLB-16CK20 7433502059	EPIC MC4EC1CLB-16RK20 7433502063	EPIC MC4EC1RCLB-16CK20 7433502099	EPIC MC4EC1RCLB-16RK20 7433502103
	3 m	EPIC MC4EC1CLB-16CK30 7433502060	EPIC MC4EC1CLB-16RK30 7433502064	EPIC MC4EC1RCLB-16CK30 7433502100	EPIC MC4EC1RCLB-16RK30 7433502104
	5 m	EPIC MC4EC1CLB-16CK50 7433502061	EPIC MC4EC1CLB-16RK50 7433502065	EPIC MC4EC1RCLB-16CK50 7433502101	EPIC MC4EC1RCLB-16RK50 7433502105

Cable's Color Coding & Wiring						
Poles & Wire Color	Pin					
Pin 1			BK1	BK1	BK1	BK1
Pin 2	BK2		BK2	BK2	BK2	BK2
Pin 3	BK3		BK3	BK3	BK3	BK3
Pin 4				BK4	BK4	BK4
PE/Pin 5	YE/GN			YE/GN		YE/GN



# M12 L-Code



M12 L-Code female connector, molded with 16A power cable, Un-Shielded, free end



Connector Technical data					
Contacts No.	2-PE (3Pn)	3Pn	3+PE (4Pn)	4Pn	4+PE (5Pn)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Insulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm				
Termination	Crimping				
Wire gauge	2.5mm <sup>2</sup> (14AWG)				
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze , PE Plt: Brass				
Contacts plating	Au (20k)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

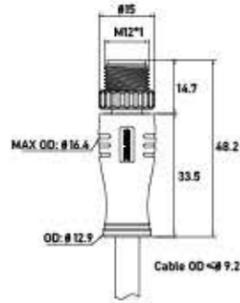
Ordering No.					
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3Pn)	1 m	EPIC MC2EC2CLB-16CK10 7433502106	EPIC MC2EC2CLB-16RK10 7433502110	EPIC MC2EC2RCLB-16CK10 7433502146	EPIC MC2EC2RCLB-16RK10 7433502150
	2 m	EPIC MC2EC2CLB-16CK20 7433502107	EPIC MC2EC2CLB-16RK20 7433502111	EPIC MC2EC2RCLB-16CK20 7433502147	EPIC MC2EC2RCLB-16RK20 7433502151
	3 m	EPIC MC2EC2CLB-16CK30 7433502108	EPIC MC2EC2CLB-16RK30 7433502112	EPIC MC2EC2RCLB-16CK30 7433502148	EPIC MC2EC2RCLB-16RK30 7433502152
	5 m	EPIC MC2EC2CLB-16CK50 7433502109	EPIC MC2EC2CLB-16RK50 7433502113	EPIC MC2EC2RCLB-16CK50 7433502149	EPIC MC2EC2RCLB-16RK50 7433502153
	1 m	EPIC MC03C2CLB-16CK10 7433502114	EPIC MC03C2CLB-16RK10 7433502118	EPIC MC03C2RCLB-16CK10 7433502154	EPIC MC03C2RCLB-16RK10 7433502158
3Pn	2 m	EPIC MC03C2CLB-16CK20 7433502115	EPIC MC03C2CLB-16RK20 7433502119	EPIC MC03C2RCLB-16CK20 7433502155	EPIC MC03C2RCLB-16RK20 7433502159
	3 m	EPIC MC03C2CLB-16CK30 7433502116	EPIC MC03C2CLB-16RK30 7433502120	EPIC MC03C2RCLB-16CK30 7433502156	EPIC MC03C2RCLB-16RK30 7433502160
	5 m	EPIC MC03C2CLB-16CK50 7433502117	EPIC MC03C2CLB-16RK50 7433502121	EPIC MC03C2RCLB-16CK50 7433502157	EPIC MC03C2RCLB-16RK50 7433502161
	1 m	EPIC MC3EC2CLB-16CK10 7433502122	EPIC MC3EC2CLB-16RK10 7433502126	EPIC MC3EC2RCLB-16CK10 7433502162	EPIC MC3EC2RCLB-16RK10 7433502166
	2 m	EPIC MC3EC2CLB-16CK20 7433502123	EPIC MC3EC2CLB-16RK20 7433502127	EPIC MC3EC2RCLB-16CK20 7433502163	EPIC MC3EC2RCLB-16RK20 7433502167
3+PE (4Pn)	3 m	EPIC MC3EC2CLB-16CK30 7433502124	EPIC MC3EC2CLB-16RK30 7433502128	EPIC MC3EC2RCLB-16CK30 7433502164	EPIC MC3EC2RCLB-16RK30 7433502168
	5 m	EPIC MC3EC2CLB-16CK50 7433502125	EPIC MC3EC2CLB-16RK50 7433502129	EPIC MC3EC2RCLB-16CK50 7433502165	EPIC MC3EC2RCLB-16RK50 7433502169
	1 m	EPIC MC04C2CLB-16CK10 7433502130	EPIC MC04C2CLB-16RK10 7433502134	EPIC MC04C2RCLB-16CK10 7433502170	EPIC MC04C2RCLB-16RK10 7433502174
	2 m	EPIC MC04C2CLB-16CK20 7433502131	EPIC MC04C2CLB-16RK20 7433502135	EPIC MC04C2RCLB-16CK20 7433502171	EPIC MC04C2RCLB-16RK20 7433502175
	3 m	EPIC MC04C2CLB-16CK30 7433502132	EPIC MC04C2CLB-16RK30 7433502136	EPIC MC04C2RCLB-16CK30 7433502172	EPIC MC04C2RCLB-16RK30 7433502176
4Pn	5 m	EPIC MC04C2CLB-16CK50 7433502133	EPIC MC04C2CLB-16RK50 7433502137	EPIC MC04C2RCLB-16CK50 7433502173	EPIC MC04C2RCLB-16RK50 7433502177
	1 m	EPIC MC4EC2CLB-16CK10 7433502138	EPIC MC4EC2CLB-16RK10 7433502142	EPIC MC4EC2RCLB-16CK10 7433502178	EPIC MC4EC2RCLB-16RK10 7433502182
	2 m	EPIC MC4EC2CLB-16CK20 7433502139	EPIC MC4EC2CLB-16RK20 7433502143	EPIC MC4EC2RCLB-16CK20 7433502179	EPIC MC4EC2RCLB-16RK20 7433502183
	3 m	EPIC MC4EC2CLB-16CK30 7433502140	EPIC MC4EC2CLB-16RK30 7433502144	EPIC MC4EC2RCLB-16CK30 7433502180	EPIC MC4EC2RCLB-16RK30 7433502184
	5 m	EPIC MC4EC2CLB-16CK50 7433502141	EPIC MC4EC2CLB-16RK50 7433502145	EPIC MC4EC2RCLB-16CK50 7433502181	EPIC MC4EC2RCLB-16RK50 7433502185

Cable's Color Coding & Wiring						
Poles & Wire Color	Pin					
Pin 1			BK1	BK1	BK1	BK1
Pin 2	BK2		BK2	BK2	BK2	BK2
Pin 3	BK3		BK3	BK3	BK3	BK3
Pin 4				BK4	BK4	BK4
PE/Pin 5	YE/GN			YE/GN		YE/GN

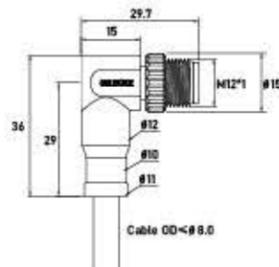


M12 Male Connector, Molded With Cable, EMI-Shielded, Free End

180° Straight



90° Right Angled



Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal : 0.5A	Power: 6A Signal : 0.5A
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm	
Termination	Crimping	
Wire gauge	0.14mm <sup>2</sup> (26AWG)~1.5mm <sup>2</sup> (16AWG)	0.14mm <sup>2</sup> (22AWG)~0.5mm <sup>2</sup> (20AWG)
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	N / A	
Protection degree	IP67	
Pollution degree	3	
EMC Shielding	Shielded	

Ordering No.

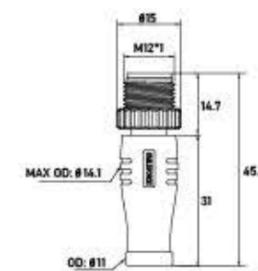
Poles	Cable length	180° Straight		90° Right angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
Y3 (4+2Pin)	1 m	EPIC MD06C1LCY38B-16CK10	EPIC MD06C1RCY38B-16RK10	EPIC MD06C1RCY38B-16CK10	EPIC MD06C1RCY38B-16RK10
		7433502186	7433502190	7433502202	7433502206
	2 m	EPIC MD06C1LCY38B-16CK20	EPIC MD06C1RCY38B-16RK20	EPIC MD06C1RCY38B-16CK20	EPIC MD06C1RCY38B-16RK20
		7433502187	7433502191	7433502203	7433502207
	3 m	EPIC MD06C1LCY38B-16CK30	EPIC MD06C1RCY38B-16RK30	EPIC MD06C1RCY38B-16CK30	EPIC MD06C1RCY38B-16RK30
7433502188		7433502192	7433502204	7433502208	
5 m	EPIC MD06C1LCY38B-16CK50	EPIC MD06C1RCY38B-16RK50	EPIC MD06C1RCY38B-16CK50	EPIC MD06C1RCY38B-16RK50	
Y4 (4+4Pin)	1 m	EPIC MD08C1LCY48B-16CK10	EPIC MD08C1RCY48B-16RK10	EPIC MD08C1RCY48B-16CK10	EPIC MD08C1RCY48B-16RK10
		7433502194	7433502198	7433502210	7433502214
	2 m	EPIC MD08C1LCY48B-16CK20	EPIC MD08C1RCY48B-16RK20	EPIC MD08C1RCY48B-16CK20	EPIC MD08C1RCY48B-16RK20
		7433502195	7433502199	7433502211	7433502215
	3 m	EPIC MD08C1LCY48B-16CK30	EPIC MD08C1RCY48B-16RK30	EPIC MD08C1RCY48B-16CK30	EPIC MD08C1RCY48B-16RK30
		7433502196	7433502200	7433502212	7433502216
	5 m	EPIC MD08C1LCY48B-16CK50	EPIC MD08C1RCY48B-16RK50	EPIC MD08C1RCY48B-16CK50	EPIC MD08C1RCY48B-16RK50
		7433502197	7433502201	7433502213	7433502217

Cable's Color Coding & Wiring

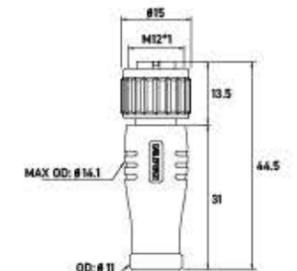
Poles & Wire Color	Pin	Pin
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/IGN	WH/IGN
Pin 4	GN	GN
Pin 5	RD	BN
Pin 6	BK	WH
Pin 7		BU
Pin 8		BK
Shell	Braid	

M12 Terminator Connector, Male (Female), with 120Ω Resistor.

Male



Female



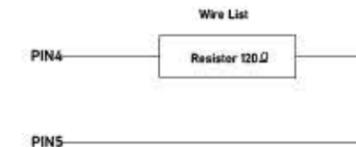
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	6Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm			
Termination	Soldering			
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Resistor	120Ω±1%, 0.6W			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass; Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

Ordering No.

Poles	Male		Female	
	Un-Shielded	EMI-Shielded	Un-Shielded	EMI-Shielded
3 Pin	EPIC MC03T1LBAB	EPIC MC03T1LBAB8	EPIC MC03T2LBAB	EPIC MC03T2LBAB8
	7433502250	7433502251	7433502258	7433502259
4 Pin	EPIC MC04T1LBAB	EPIC MC04T1LBAB8	EPIC MC04T2LBAB	EPIC MC04T2LBAB8
	7433502252	7433502253	7433502260	7433502261
5 Pin	EPIC MC05T1LBAB	EPIC MC05T1LBAB8	EPIC MC05T2LBAB	EPIC MC05T2LBAB8
	7433502254	7433502255	7433502262	7433502263
6Pin	EPIC MC08T1LBAB	EPIC MC08T1LBAB8	EPIC MC08T2LBAB	EPIC MC08T2LBAB8
	7433502256	7433502257	7433502264	7433502265

Wiring Diagram



# M12 120Ω Terminator



M12 Terminator Connector, Male (Female), Plastic Screws, with 120Ω Resistor.



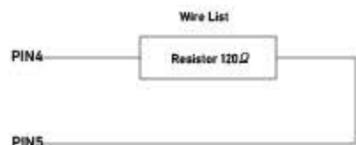
### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			2A
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm			
Termination	Soldering			
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Resistor	120Ω±1%, 0.6W			
Over-molding	TPU			
Contact carrier	PA66 + GF			
Screw nut	PA66 + GF			
Contact	Brass; Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Male	Female
3 Pin	EPIC MC03T1LSAP 7433502266	EPIC MC03T2LGAP 7433502274
4 Pin	EPIC MC04T1LSAP 7433502268	EPIC MC04T2LGAP 7433502276
5 Pin	EPIC MC05T1LSAP 7433502270	EPIC MC05T2LGAP 7433502278
8 Pin	EPIC MC08T1LSAP 7433502272	EPIC MC08T2LGAP 7433502280

### Wiring Diagram



# M12 Y-Splitter Cable



M12 Male Y-Splitter, Molded Cable, Customized Ends



### Connector Technical data

Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V	30V	
Impulse voltage	2500V			1500V	800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm					
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	N / A					
Protection degree	IP67					
Pollution degree	3					

### Ordering No.

Coding	Un-Shielded				Shielded			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC M03Y1AB-XXXXXX 7433502282	EPIC M04Y1AB-XXXXXX 7433502283	EPIC M05Y1AB-XXXXXX 7433502285	EPIC M08Y1AB-XXXXXX 7433502287	EPIC M03Y1ASB-XXXXXX 7433502286	EPIC M04Y1ASB-XXXXXX 7433502289	EPIC M05Y1ASB-XXXXXX 7433502291	EPIC M08Y1ASB-XXXXXX 7433502293
B-Code			EPIC M05Y1SB-XXXXXX 7433502290				EPIC M05Y1SSB-XXXXXX 7433502292	
D-Code		EPIC M04Y1DB-XXXXXX 7433502284			EPIC M04Y1DSB-XXXXXX 7433502290			

### Cable's Color Coding & Wiring

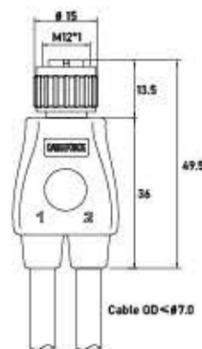
Poles & Wire Color Pin				
Pin 1	BN	BN	BN	WH
Pin 2		VH	VH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD



## M12 Y-Splitter Cable



M12 Female Y-Splitter, Molded Cable, Customized Ends



Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code
Front View						
Reference standard	IEC 61076-2-101					
Rated current	4A			2A		2A
Rated voltage	250V			90V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm					
Rated temperature	Flexible: -25 °C ... +85 °C, Static: -40 °C ... +60 °C					
Insulation resistance	$\geq 100M\Omega$					
Contact resistance	$\leq 2m\Omega$					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Phosphor bronze					
Contacts plating	Au (Gold)					
O-Ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					

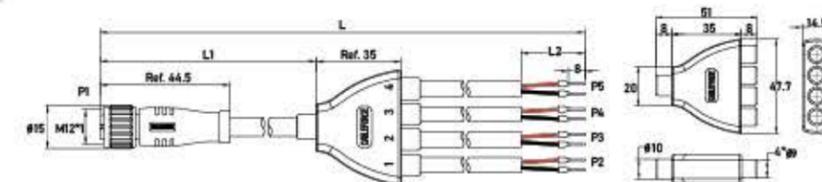
Coding	Un-Shielded				Shielded			
	3 Pin	4 Pin	5 Pin	6 Pin	3 Pin	4 Pin	5 Pin	6 Pin
A-Code	EPIC MC08Y2AB-XXXXXX 7433502284	EPIC MC08Y2AB-XXXXXX 7433502285	EPIC MC08Y2AB-XXXXXX 7433502287	EPIC MC08Y2AB-XXXXXX 7433502289	EPIC MC08Y2AB-XXXXXX 7433502300	EPIC MC08Y2AB-XXXXXX 7433502301	EPIC MC08Y2AB-XXXXXX 7433502303	EPIC MC08Y2AB-XXXXXX 7433502305
B-Code			EPIC MC08Y2BB-XXXXXX 7433502290				EPIC MC08Y2BB-XXXXXX 7433502304	
D-Code		EPIC MC08Y2DB-XXXXXX 7433502286			EPIC MC08Y2DB-XXXXXX 7433502302			

Cable's Color Coding & Wiring				
Poles & Wire Color	Pin	Pin	Pin	Pin
Pin 1	BN	BN	BN	WH
Pin 2	WH	WH	WH	BN
Pin 3	BU	BU	BU	GN
Pin 4	BK	BK	BK	YE
Pin 5			GY	GY
Pin 6				PK
Pin 7				BU
Pin 8				RD

## M12 4 Way Y-Splitter Cable



M12 4 Way Y-Splitter, Molded Cable, Customized Ends



Connector Technical data	
Contacts No.	8Pin A-Code
Front View	
Reference standard	IEC 61076-2-101
Rated current	2A
Rated voltage	30V
Impulse voltage	800V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended : 0.4 Nm , Max: 0.8Nm
Termination	Soldering
Wire gauge	0.34mm <sup>2</sup> ~0.14mm <sup>2</sup> (22~26AWG)
Rated temperature	Flexible: -25 ~ 80 °C; Static: -40 ~ 80 °C
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

Ordering No.			
Poles	Cable length	PVC (Cable)	PUR (Cable)
8Pin A-Code	0.5m	EPIC MC08C2LSAB-Y4-24CK05 7433502306	EPIC MC08C2LSAB-Y4-24RK05 7433502311
		EPIC MC08C2LSAB-Y4-24CK10 7433502307	EPIC MC08C2LSAB-Y4-24RK10 7433502312
	1m	EPIC MC08C2LSAB-Y4-24CK20 7433502308	EPIC MC08C2LSAB-Y4-24RK20 7433502313
		EPIC MC08C2LSAB-Y4-24CK30 7433502309	EPIC MC08C2LSAB-Y4-24RK30 7433502314
	2m	EPIC MC08C2LSAB-Y4-24CK50 7433502310	EPIC MC08C2LSAB-Y4-24RK50 7433502315
	3m		
	5m		

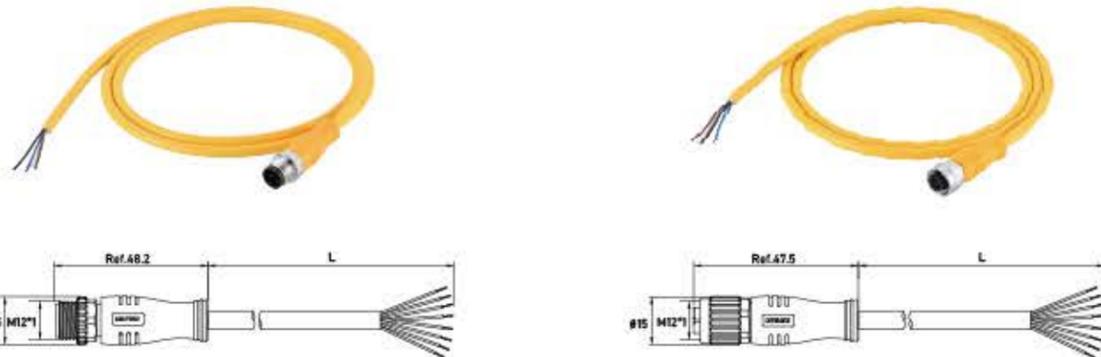
Wiring diagram																									
Pin Assignment	Wire List																								
	<table border="1"> <tr> <td>PIN1</td> <td>Red (AWG 24)</td> <td>P2 (Cable end)</td> </tr> <tr> <td>PIN2</td> <td>Black (AWG 24)</td> <td></td> </tr> <tr> <td>PIN3</td> <td>Red (AWG 24)</td> <td>P3 (Cable end)</td> </tr> <tr> <td>PIN4</td> <td>Black (AWG 24)</td> <td></td> </tr> <tr> <td>PIN5</td> <td>Red (AWG 24)</td> <td>P4 (Cable end)</td> </tr> <tr> <td>PIN6</td> <td>Black (AWG 24)</td> <td></td> </tr> <tr> <td>PIN7</td> <td>Red (AWG 24)</td> <td>P5 (Cable end)</td> </tr> <tr> <td>PIN8</td> <td>Black (AWG 24)</td> <td></td> </tr> </table>	PIN1	Red (AWG 24)	P2 (Cable end)	PIN2	Black (AWG 24)		PIN3	Red (AWG 24)	P3 (Cable end)	PIN4	Black (AWG 24)		PIN5	Red (AWG 24)	P4 (Cable end)	PIN6	Black (AWG 24)		PIN7	Red (AWG 24)	P5 (Cable end)	PIN8	Black (AWG 24)	
PIN1	Red (AWG 24)	P2 (Cable end)																							
PIN2	Black (AWG 24)																								
PIN3	Red (AWG 24)	P3 (Cable end)																							
PIN4	Black (AWG 24)																								
PIN5	Red (AWG 24)	P4 (Cable end)																							
PIN6	Black (AWG 24)																								
PIN7	Red (AWG 24)	P5 (Cable end)																							
PIN8	Black (AWG 24)																								



# M12 A-Code Sensor Cable



M12 A-Code, sensor cables, single ended, Un-shielded, pigtail, 5 million drag chain



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		60V	30V	500V
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass, Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				
Bending life	5 million cycles				

### Ordering No.

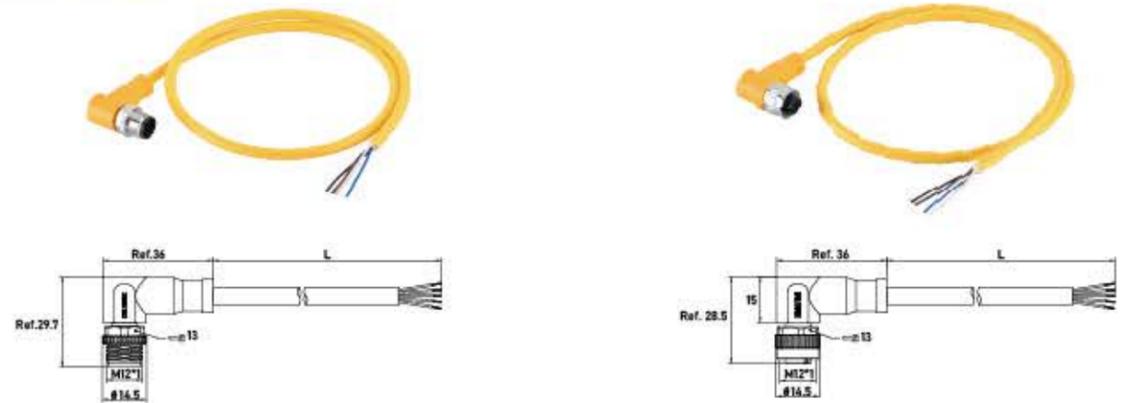
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C1LSABH22CY10	EPIC MC03C1LSABH22RY10	EPIC MC03C2LSABH22CY10	EPIC MC03C2LSABH22RY10
		7433502316	7433502319	7433502346	7433502349
	2 m	EPIC MC03C1LSABH22CY20	EPIC MC03C1LSABH22RY20	EPIC MC03C2LSABH22CY20	EPIC MC03C2LSABH22RY20
		7433502317	7433502320	7433502347	7433502350
	5 m	EPIC MC03C1LSABH22CY50	EPIC MC03C1LSABH22RY50	EPIC MC03C2LSABH22CY50	EPIC MC03C2LSABH22RY50
		7433502318	7433502321	7433502348	7433502351
4 Pin	1 m	EPIC MC04C1LSABH22CY10	EPIC MC04C1LSABH22RY10	EPIC MC04C2LSABH22CY10	EPIC MC04C2LSABH22RY10
		7433502322	7433502325	7433502352	7433502355
	2 m	EPIC MC04C1LSABH22CY20	EPIC MC04C1LSABH22RY20	EPIC MC04C2LSABH22CY20	EPIC MC04C2LSABH22RY20
		7433502323	7433502326	7433502353	7433502356
	5 m	EPIC MC04C1LSABH22CY50	EPIC MC04C1LSABH22RY50	EPIC MC04C2LSABH22CY50	EPIC MC04C2LSABH22RY50
		7433502324	7433502327	7433502354	7433502357
5 Pin	1 m	EPIC MC05C1LSABH22CY10	EPIC MC05C1LSABH22RY10	EPIC MC05C2LSABH22CY10	EPIC MC05C2LSABH22RY10
		7433502328	7433502331	7433502358	7433502361
	2 m	EPIC MC05C1LSABH22CY20	EPIC MC05C1LSABH22RY20	EPIC MC05C2LSABH22CY20	EPIC MC05C2LSABH22RY20
		7433502329	7433502332	7433502359	7433502362
	5 m	EPIC MC05C1LSABH22CY50	EPIC MC05C1LSABH22RY50	EPIC MC05C2LSABH22CY50	EPIC MC05C2LSABH22RY50
		7433502330	7433502333	7433502360	7433502363
8 Pin	1 m	EPIC MC08C1LSABH24CY10	EPIC MC08C1LSABH24RY10	EPIC MC08C2LSABH24CY10	EPIC MC08C2LSABH24RY10
		7433502334	7433502337	7433502364	7433502367
	2 m	EPIC MC08C1LSABH24CY20	EPIC MC08C1LSABH24RY20	EPIC MC08C2LSABH24CY20	EPIC MC08C2LSABH24RY20
		7433502335	7433502338	7433502365	7433502368
	5 m	EPIC MC08C1LSABH24CY50	EPIC MC08C1LSABH24RY50	EPIC MC08C2LSABH24CY50	EPIC MC08C2LSABH24RY50
		7433502336	7433502339	7433502366	7433502369
12 Pin	1 m	EPIC MC12C1LSABH26CY10	EPIC MC12C1LSABH26RY10	EPIC MC12C2LSABH26CY10	EPIC MC12C2LSABH26RY10
		7433502340	7433502343	7433502370	7433502373
	2 m	EPIC MC12C1LSABH26CY20	EPIC MC12C1LSABH26RY20	EPIC MC12C2LSABH26CY20	EPIC MC12C2LSABH26RY20
		7433502341	7433502344	7433502371	7433502374
	5 m	EPIC MC12C1LSABH26CY50	EPIC MC12C1LSABH26RY50	EPIC MC12C2LSABH26CY50	EPIC MC12C2LSABH26RY50
		7433502342	7433502345	7433502372	7433502375



# M12 A-Code Sensor Cable



M12 A-Code, angled sensor cables, single ended, Un-shielded, pigtail, 5 million drag chain



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		60V	30V	500V
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass, Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				
Bending life	5 million cycles				

### Ordering No.

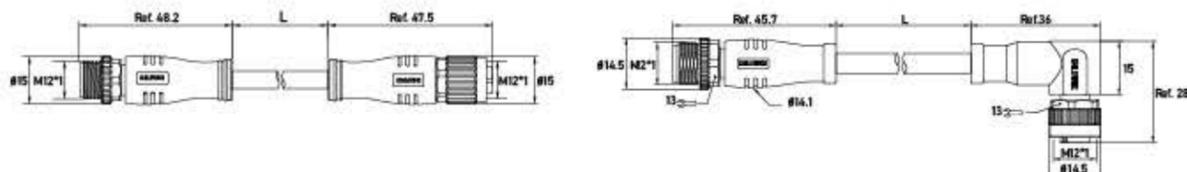
Poles	Cable length	Male		Female	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C1RSABH23CY10	EPIC MC03C1RSABH23RY10	EPIC MC03C2RSABH23CY10	EPIC MC03C2RSABH23RY10
		7433502376	7433502379	7433502406	7433502409
	2 m	EPIC MC03C1RSABH23CY20	EPIC MC03C1RSABH23RY20	EPIC MC03C2RSABH23CY20	EPIC MC03C2RSABH23RY20
		7433502377	7433502380	7433502407	7433502410
	5 m	EPIC MC03C1RSABH23CY50	EPIC MC03C1RSABH23RY50	EPIC MC03C2RSABH23CY50	EPIC MC03C2RSABH23RY50
		7433502378	7433502381	7433502408	7433502411
4 Pin	1 m	EPIC MC04C1RSABH23CY10	EPIC MC04C1RSABH23RY10	EPIC MC04C2RSABH23CY10	EPIC MC04C2RSABH23RY10
		7433502382	7433502385	7433502412	7433502415
	2 m	EPIC MC04C1RSABH23CY20	EPIC MC04C1RSABH23RY20	EPIC MC04C2RSABH23CY20	EPIC MC04C2RSABH23RY20
		7433502383	7433502386	7433502413	7433502416
	5 m	EPIC MC04C1RSABH23CY50	EPIC MC04C1RSABH23RY50	EPIC MC04C2RSABH23CY50	EPIC MC04C2RSABH23RY50
		7433502384	7433502387	7433502414	7433502417
5 Pin	1 m	EPIC MC05C1RSABH23CY10	EPIC MC05C1RSABH23RY10	EPIC MC05C2RSABH23CY10	EPIC MC05C2RSABH23RY10
		7433502388	7433502391	7433502418	7433502421
	2 m	EPIC MC05C1RSABH23CY20	EPIC MC05C1RSABH23RY20	EPIC MC05C2RSABH23CY20	EPIC MC05C2RSABH23RY20
		7433502389	7433502392	7433502419	7433502422
	5 m	EPIC MC05C1RSABH23CY50	EPIC MC05C1RSABH23RY50	EPIC MC05C2RSABH23CY50	EPIC MC05C2RSABH23RY50
		7433502390	7433502393	7433502420	7433502423
8 Pin	1 m	EPIC MC08C1RSABH24CY10	EPIC MC08C1RSABH24RY10	EPIC MC08C2RSABH24CY10	EPIC MC08C2RSABH24RY10
		7433502394	7433502397	7433502424	7433502427
	2 m	EPIC MC08C1RSABH24CY20	EPIC MC08C1RSABH24RY20	EPIC MC08C2RSABH24CY20	EPIC MC08C2RSABH24RY20
		7433502395	7433502398	7433502425	7433502428
	5 m	EPIC MC08C1RSABH24CY50	EPIC MC08C1RSABH24RY50	EPIC MC08C2RSABH24CY50	EPIC MC08C2RSABH24RY50
		7433502396	7433502399	7433502426	7433502429
12 Pin	1 m	EPIC MC12C1RSABH26CY10	EPIC MC12C1RSABH26RY10	EPIC MC12C2RSABH26CY10	EPIC MC12C2RSABH26RY10
		7433502400	7433502403	7433502430	7433502433
	2 m	EPIC MC12C1RSABH26CY20	EPIC MC12C1RSABH26RY20	EPIC MC12C2RSABH26CY20	EPIC MC12C2RSABH26RY20
		7433502401	7433502404	7433502431	7433502434
	5 m	EPIC MC12C1RSABH26CY50	EPIC MC12C1RSABH26RY50	EPIC MC12C2RSABH26CY50	EPIC MC12C2RSABH26RY50
		7433502402	7433502405	7433502432	7433502435





Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		60V	30V	
Impute voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass, Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				
Bending life	5 million cycles				

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSABH22CY10	EPIC MC03C3RSABH22RY10	EPIC MC03C3RSABH22CY10	EPIC MC03C3RSABH22RY10
		7433502436	7433502439	7433502466	7433502469
	2 m	EPIC MC03C3LSABH22CY20	EPIC MC03C3RSABH22RY20	EPIC MC03C3RSABH22CY20	EPIC MC03C3RSABH22RY20
		7433502437	7433502440	7433502467	7433502470
		EPIC MC03C3LSABH22CY50	EPIC MC03C3RSABH22RY50	EPIC MC03C3RSABH22CY50	EPIC MC03C3RSABH22RY50
		7433502438	7433502441	7433502468	7433502471
4 Pin	1 m	EPIC MC04C3LSABH22CY10	EPIC MC04C3RSABH22RY10	EPIC MC04C3RSABH22CY10	EPIC MC04C3RSABH22RY10
		7433502442	7433502445	7433502472	7433502475
	2 m	EPIC MC04C3LSABH22CY20	EPIC MC04C3RSABH22RY20	EPIC MC04C3RSABH22CY20	EPIC MC04C3RSABH22RY20
		7433502443	7433502446	7433502473	7433502476
		EPIC MC04C3LSABH22CY50	EPIC MC04C3RSABH22RY50	EPIC MC04C3RSABH22CY50	EPIC MC04C3RSABH22RY50
		7433502444	7433502447	7433502474	7433502477
5 Pin	1 m	EPIC MC05C3LSABH22CY10	EPIC MC05C3RSABH22RY10	EPIC MC05C3RSABH22CY10	EPIC MC05C3RSABH22RY10
		7433502448	7433502451	7433502478	7433502481
	2 m	EPIC MC05C3LSABH22CY20	EPIC MC05C3RSABH22RY20	EPIC MC05C3RSABH22CY20	EPIC MC05C3RSABH22RY20
		7433502449	7433502452	7433502479	7433502482
		EPIC MC05C3LSABH22CY50	EPIC MC05C3RSABH22RY50	EPIC MC05C3RSABH22CY50	EPIC MC05C3RSABH22RY50
		7433502450	7433502453	7433502480	7433502483
8 Pin	1 m	EPIC MC08C3LSABH24CY10	EPIC MC08C3RSABH24RY10	EPIC MC08C3RSABH24CY10	EPIC MC08C3RSABH24RY10
		7433502454	7433502457	7433502484	7433502487
	2 m	EPIC MC08C3LSABH24CY20	EPIC MC08C3RSABH24RY20	EPIC MC08C3RSABH24CY20	EPIC MC08C3RSABH24RY20
		7433502455	7433502458	7433502485	7433502488
		EPIC MC08C3LSABH24CY50	EPIC MC08C3RSABH24RY50	EPIC MC08C3RSABH24CY50	EPIC MC08C3RSABH24RY50
		7433502456	7433502459	7433502486	7433502489
12 Pin	1 m	EPIC MC12C3LSABH26CY10	EPIC MC12C3RSABH26RY10	EPIC MC12C3RSABH26CY10	EPIC MC12C3RSABH26RY10
		7433502460	7433502463	7433502490	7433502493
	2 m	EPIC MC12C3LSABH26CY20	EPIC MC12C3RSABH26RY20	EPIC MC12C3RSABH26CY20	EPIC MC12C3RSABH26RY20
		7433502461	7433502464	7433502491	7433502494
		EPIC MC12C3LSABH26CY50	EPIC MC12C3RSABH26RY50	EPIC MC12C3RSABH26CY50	EPIC MC12C3RSABH26RY50
		7433502462	7433502465	7433502492	7433502495



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		60V	30V	
Impute voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass, Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				
Bending life	5 million cycles				

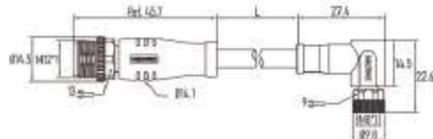
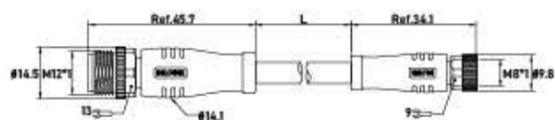
Ordering No.					
Poles	Cable length	180° Straight		male straight to female angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSABH22CK10	EPIC MC03C3RSABH22RK10	EPIC MC03C3LSABH22CK10	EPIC MC03C3RSABH22RK10
		7433502489	7433502492	7433502526	7433502529
	2 m	EPIC MC03C3LSABH22CK20	EPIC MC03C3RSABH22RK20	EPIC MC03C3LSABH22CK20	EPIC MC03C3RSABH22RK20
		7433502497	7433502500	7433502527	7433502530
		EPIC MC03C3LSABH22CK50	EPIC MC03C3RSABH22RK50	EPIC MC03C3LSABH22CK50	EPIC MC03C3RSABH22RK50
		7433502498	7433502501	7433502528	7433502531
4 Pin	1 m	EPIC MC04C3LSABH22CK10	EPIC MC04C3RSABH22RK10	EPIC MC04C3LSABH22CK10	EPIC MC04C3RSABH22RK10
		7433502502	7433502505	7433502532	7433502535
	2 m	EPIC MC04C3LSABH22CK20	EPIC MC04C3RSABH22RK20	EPIC MC04C3LSABH22CK20	EPIC MC04C3RSABH22RK20
		7433502503	7433502506	7433502533	7433502536
		EPIC MC04C3LSABH22CK50	EPIC MC04C3RSABH22RK50	EPIC MC04C3LSABH22CK50	EPIC MC04C3RSABH22RK50
		7433502504	7433502507	7433502534	7433502537
5 Pin	1 m	EPIC MC05C3LSABH22CK10	EPIC MC05C3RSABH22RK10	EPIC MC05C3LSABH22CK10	EPIC MC05C3RSABH22RK10
		7433502508	7433502511	7433502538	7433502541
	2 m	EPIC MC05C3LSABH22CK20	EPIC MC05C3RSABH22RK20	EPIC MC05C3LSABH22CK20	EPIC MC05C3RSABH22RK20
		7433502509	7433502512	7433502539	7433502542
		EPIC MC05C3LSABH22CK50	EPIC MC05C3RSABH22RK50	EPIC MC05C3LSABH22CK50	EPIC MC05C3RSABH22RK50
		7433502510	7433502513	7433502540	7433502543
8 Pin	1 m	EPIC MC08C3LSABH24CK10	EPIC MC08C3RSABH24RK10	EPIC MC08C3LSABH24CK10	EPIC MC08C3RSABH24RK10
		7433502514	7433502517	7433502544	7433502547
	2 m	EPIC MC08C3LSABH24CK20	EPIC MC08C3RSABH24RK20	EPIC MC08C3LSABH24CK20	EPIC MC08C3RSABH24RK20
		7433502515	7433502518	7433502545	7433502548
		EPIC MC08C3LSABH24CK50	EPIC MC08C3RSABH24RK50	EPIC MC08C3LSABH24CK50	EPIC MC08C3RSABH24RK50
		7433502516	7433502519	7433502546	7433502549
12 Pin	1 m	EPIC MC12C3LSABH26CK10	EPIC MC12C3RSABH26RK10	EPIC MC12C3LSABH26CK10	EPIC MC12C3RSABH26RK10
		7433502520	7433502523	7433502550	7433502553
	2 m	EPIC MC12C3LSABH26CK20	EPIC MC12C3RSABH26RK20	EPIC MC12C3LSABH26CK20	EPIC MC12C3RSABH26RK20
		7433502521	7433502524	7433502551	7433502554
		EPIC MC12C3LSABH26CK50	EPIC MC12C3RSABH26RK50	EPIC MC12C3LSABH26CK50	EPIC MC12C3RSABH26RK50
		7433502522	7433502525	7433502552	7433502555



# M12 A-Code Sensor Cable



M12 A-Code male to M8 female, sensor cables, Un-shielded, 5 million drag chain



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	6Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		80V	
Impulse voltage	2500V		1500V	
Locking system	M12 x 1.0 screw M8 x 1.0 screw			
Tightening Torque	Recommend : 0.4Nm			
Termination	Soldering			
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass with nickel plated			
Contact	Brass, Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			
Bending life	5 million cycles			

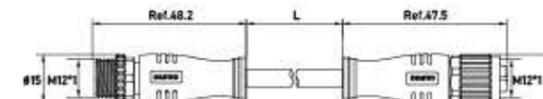
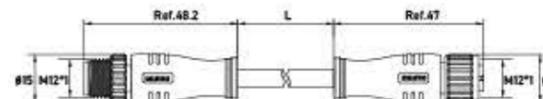
### Ordering No.

Poles	Cable length	180° Straight		male straight to female angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MCB03C3LSABH22CK10	EPIC MCB03C3LSABH22RK10	EPIC MCB03C3LSABH22CY10	EPIC MCB03C3LSABH22RY10
		7433502556	7433502559	7433502580	7433502583
	2 m	EPIC MCB03C3LSABH22CK20	EPIC MCB03C3LSABH22RK20	EPIC MCB03C3LSABH22CY20	EPIC MCB03C3LSABH22RY20
		7433502557	7433502560	7433502581	7433502584
	5 m	EPIC MCB03C3LSABH22CK30	EPIC MCB03C3LSABH22RK30	EPIC MCB03C3LSABH22CY30	EPIC MCB03C3LSABH22RY30
		7433502558	7433502561	7433502582	7433502585
4 Pin	1 m	EPIC MCB04C3LSABH22CK10	EPIC MCB04C3LSABH22RK10	EPIC MCB04C3LSABH22CY10	EPIC MCB04C3LSABH22RY10
		7433502582	7433502585	7433502588	7433502589
	2 m	EPIC MCB04C3LSABH22CK20	EPIC MCB04C3LSABH22RK20	EPIC MCB04C3LSABH22CY20	EPIC MCB04C3LSABH22RY20
		7433502583	7433502586	7433502587	7433502590
	5 m	EPIC MCB04C3LSABH22CK30	EPIC MCB04C3LSABH22RK30	EPIC MCB04C3LSABH22CY30	EPIC MCB04C3LSABH22RY30
		7433502584	7433502587	7433502588	7433502591
5 Pin	1 m	EPIC MCB05C3LSABH22CK10	EPIC MCB05C3LSABH22RK10	EPIC MCB05C3LSABH22CY10	EPIC MCB05C3LSABH22RY10
		7433502598	7433502571	7433502592	7433502595
	2 m	EPIC MCB05C3LSABH22CK20	EPIC MCB05C3LSABH22RK20	EPIC MCB05C3LSABH22CY20	EPIC MCB05C3LSABH22RY20
		7433502599	7433502572	7433502593	7433502596
	5 m	EPIC MCB05C3LSABH22CK30	EPIC MCB05C3LSABH22RK30	EPIC MCB05C3LSABH22CY30	EPIC MCB05C3LSABH22RY30
		7433502570	7433502573	7433502594	7433502597
8 Pin	1 m	EPIC MCB08C3LSABH24CK10	EPIC MCB08C3LSABH24RK10	EPIC MCB08C3LSABH24CY10	EPIC MCB08C3LSABH24RY10
		7433502574	7433502577	7433502598	7433502601
	2 m	EPIC MCB08C3LSABH24CK20	EPIC MCB08C3LSABH24RK20	EPIC MCB08C3LSABH24CY20	EPIC MCB08C3LSABH24RY20
		7433502575	7433502578	7433502599	7433502602
	5 m	EPIC MCB08C3LSABH24CK30	EPIC MCB08C3LSABH24RK30	EPIC MCB08C3LSABH24CY30	EPIC MCB08C3LSABH24RY30
		7433502576	7433502579	7433502600	7433502603

# M12 A-Code Sensor Cable



M12 A-Code, male to female, sensor cables, Un-shielded, Weld Splatter Resistant, 10 million drag chain



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	6Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		80V		30V
Impulse voltage	2500V		1500V		600V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm				
Termination	Soldering				
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +105 °C, Static -40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Over-molding	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass with nickel plated				
Contact	Brass, Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				
Bending life	10 million cycles				

### Ordering No.

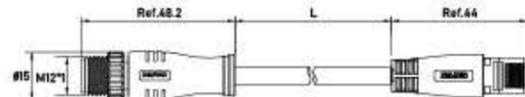
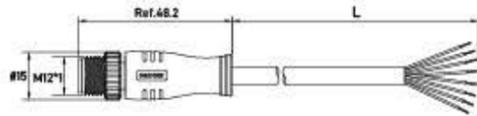
Poles	Cable length	Dress Screw		Dress Hexagon Screw	
		PUR (Cable)	XLPE (Cable)	PUR (Cable)	XLPE (Cable)
3 Pin	1 m	EPIC MC03C3LSAB22R010-F10WR	EPIC MC03C3LSAB22XEO10-F10WR	EPIC MC03C3LSABH22RY10-F10WR	EPIC MC03C3LSABH22XEY10-F10WR
		7433502604	7433502607	7433502634	7433502637
	2 m	EPIC MC03C3LSAB22R020-F10WR	EPIC MC03C3LSAB22XEO20-F10WR	EPIC MC03C3LSABH22RY20-F10WR	EPIC MC03C3LSABH22XEY20-F10WR
		7433502605	7433502608	7433502635	7433502638
	5 m	EPIC MC03C3LSAB22R050-F10WR	EPIC MC03C3LSAB22XEO50-F10WR	EPIC MC03C3LSABH22RY50-F10WR	EPIC MC03C3LSABH22XEY50-F10WR
		7433502606	7433502609	7433502636	7433502639
4 Pin	1 m	EPIC MC04C3LSAB22R010-F10WR	EPIC MC04C3LSAB22XEO10-F10WR	EPIC MC04C3LSABH22RY10-F10WR	EPIC MC04C3LSABH22XEY10-F10WR
		7433502610	7433502613	7433502640	7433502643
	2 m	EPIC MC04C3LSAB22R020-F10WR	EPIC MC04C3LSAB22XEO20-F10WR	EPIC MC04C3LSABH22RY20-F10WR	EPIC MC04C3LSABH22XEY20-F10WR
		7433502611	7433502614	7433502641	7433502644
	5 m	EPIC MC04C3LSAB22R050-F10WR	EPIC MC04C3LSAB22XEO50-F10WR	EPIC MC04C3LSABH22RY50-F10WR	EPIC MC04C3LSABH22XEY50-F10WR
		7433502612	7433502615	7433502642	7433502645
5 Pin	1 m	EPIC MC05C3LSAB22R010-F10WR	EPIC MC05C3LSAB22XEO10-F10WR	EPIC MC05C3LSABH22RY10-F10WR	EPIC MC05C3LSABH22XEY10-F10WR
		7433502616	7433502619	7433502646	7433502649
	2 m	EPIC MC05C3LSAB22R020-F10WR	EPIC MC05C3LSAB22XEO20-F10WR	EPIC MC05C3LSABH22RY20-F10WR	EPIC MC05C3LSABH22XEY20-F10WR
		7433502617	7433502620	7433502647	7433502650
	5 m	EPIC MC05C3LSAB22R050-F10WR	EPIC MC05C3LSAB22XEO50-F10WR	EPIC MC05C3LSABH22RY50-F10WR	EPIC MC05C3LSABH22XEY50-F10WR
		7433502618	7433502621	7433502648	7433502651
6 Pin	1 m	EPIC MC06C3LSAB22R010-F10WR	EPIC MC06C3LSAB22XEO10-F10WR	EPIC MC06C3LSABH22RY10-F10WR	EPIC MC06C3LSABH22XEY10-F10WR
		7433502622	7433502625	7433502652	7433502655
	2 m	EPIC MC06C3LSAB22R020-F10WR	EPIC MC06C3LSAB22XEO20-F10WR	EPIC MC06C3LSABH22RY20-F10WR	EPIC MC06C3LSABH22XEY20-F10WR
		7433502623	7433502626	7433502653	7433502656
	5 m	EPIC MC06C3LSAB22R050-F10WR	EPIC MC06C3LSAB22XEO50-F10WR	EPIC MC06C3LSABH22RY50-F10WR	EPIC MC06C3LSABH22XEY50-F10WR
		7433502624	7433502627	7433502654	7433502657
12 Pin	1 m	EPIC MC12C3LSAB22R010-F10WR	EPIC MC12C3LSAB22XEO10-F10WR	EPIC MC12C3LSABH22RY10-F10WR	EPIC MC12C3LSABH22XEY10-F10WR
		7433502628	7433502631	7433502658	7433502661
	2 m	EPIC MC12C3LSAB22R020-F10WR	EPIC MC12C3LSAB22XEO20-F10WR	EPIC MC12C3LSABH22RY20-F10WR	EPIC MC12C3LSABH22XEY20-F10WR
		7433502629	7433502632	7433502659	7433502662
	5 m	EPIC MC12C3LSAB22R050-F10WR	EPIC MC12C3LSAB22XEO50-F10WR	EPIC MC12C3LSABH22RY50-F10WR	EPIC MC12C3LSABH22XEY50-F10WR
		7433502630	7433502633	7433502660	7433502663



# M12 A-Code Ethernet Cable



M12 A-Code 8Pin male Ethernet cables, Molded Cat 5E SFTP 4x2x26AWG Ethernet Cable



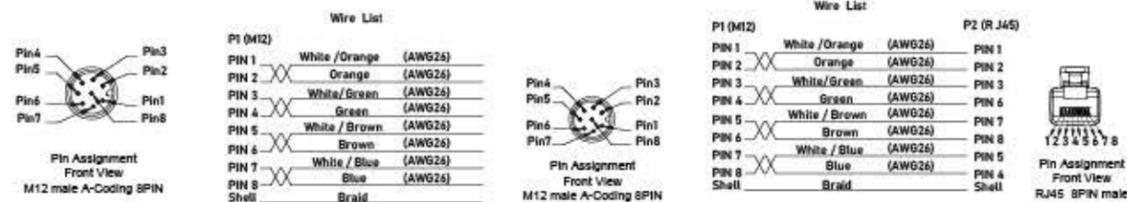
### Connector Technical data

Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference Standard	IEC 61076-3-101		
Rated current	2A		
Rated voltage	30V		
Insulation voltage	1500V		
Locking system	M12 x 1.0 screw		
Termination	M12: Soldering, RJ45: Piercing		
Cable specification	Cat 5E S/FTP 4x2x26AWG (5.14mm <sup>2</sup> ) Ethernet Cable		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±1%		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass		
Contacts plating	Au (5μ" Gold)		
O-ring	N/A		
Protection degree	IP67(M12)		
Drag chain bending	N/A		
Pollution degree	3		

### Ordering No.

Poles	Cable length	M12 - RJ45 Cable			
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	0.3 m	EPIC MC08C1LSAB2R0G03-PPN	EPIC MC08C1LSAB2R0G03-PPN	EPIC RJ5E-MC08C1LSAB2R0G03-PPN	EPIC RJ5E-MC08C1LSAB2R0G03-PPN
		743302884	743302870	743302876	743302862
	0.6 m	EPIC MC08C1LSAB2R0G06-PPN	EPIC MC08C1LSAB2R0G06-PPN	EPIC RJ5E-MC08C1LSAB2R0G06-PPN	EPIC RJ5E-MC08C1LSAB2R0G06-PPN
		743302885	743302871	743302877	743302863
	1.0 m	EPIC MC08C1LSAB2R0G10-PPN	EPIC MC08C1LSAB2R0G10-PPN	EPIC RJ5E-MC08C1LSAB2R0G10-PPN	EPIC RJ5E-MC08C1LSAB2R0G10-PPN
		743302886	743302872	743302878	743302864
1.5 m	EPIC MC08C1LSAB2R0G15-PPN	EPIC MC08C1LSAB2R0G15-PPN	EPIC RJ5E-MC08C1LSAB2R0G15-PPN	EPIC RJ5E-MC08C1LSAB2R0G15-PPN	
	743302887	743302873	743302879	743302865	
2.0 m	EPIC MC08C1LSAB2R0G20-PPN	EPIC MC08C1LSAB2R0G20-PPN	EPIC RJ5E-MC08C1LSAB2R0G20-PPN	EPIC RJ5E-MC08C1LSAB2R0G20-PPN	
	743302888	743302874	743302880	743302866	
3.0 m	EPIC MC08C1LSAB2R0G30-PPN	EPIC MC08C1LSAB2R0G30-PPN	EPIC RJ5E-MC08C1LSAB2R0G30-PPN	EPIC RJ5E-MC08C1LSAB2R0G30-PPN	
	743302889	743302875	743302881	743302867	

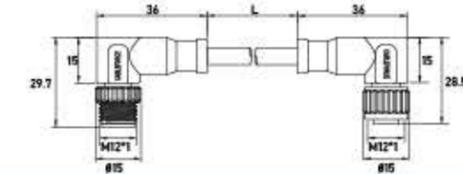
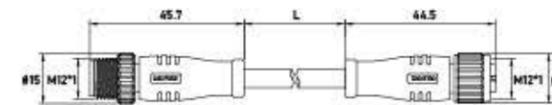
### Wiring Diagram



# M12 A-Code Connecting Cable



M12 A-Code, male to female, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-3-101						
Rated current	4A				2A		1.5A
Rated voltage	250V			50V	30V		
Insulation voltage	2500V			1500V	500V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +90 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass, Phosphor bronze						
Contacts plating	Au (5μm)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

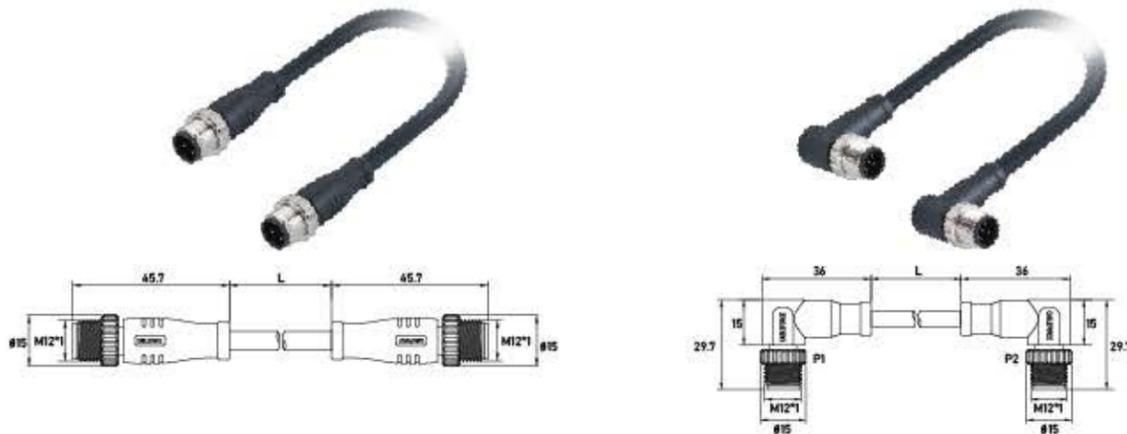
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSAB2R0K10	EPIC MC03C3LSAB2R0K10	EPIC MC03C3RSAB2R0K10	EPIC MC03C3RSAB2R0K10
		743302868	743302881	743302724	743302727
	2 m	EPIC MC03C3LSAB2R0K20	EPIC MC03C3LSAB2R0K20	EPIC MC03C3RSAB2R0K20	EPIC MC03C3RSAB2R0K20
		743302869	743302882	743302725	743302728
	5 m	EPIC MC03C3LSAB2R0K50	EPIC MC03C3LSAB2R0K50	EPIC MC03C3RSAB2R0K50	EPIC MC03C3RSAB2R0K50
		743302890	743302883	743302726	743302729
4 Pin	1 m	EPIC MC04C3LSAB2R0K10	EPIC MC04C3LSAB2R0K10	EPIC MC04C3RSAB2R0K10	EPIC MC04C3RSAB2R0K10
		743302894	743302897	743302730	743302733
	2 m	EPIC MC04C3LSAB2R0K20	EPIC MC04C3LSAB2R0K20	EPIC MC04C3RSAB2R0K20	EPIC MC04C3RSAB2R0K20
		743302895	743302898	743302731	743302734
	5 m	EPIC MC04C3LSAB2R0K50	EPIC MC04C3LSAB2R0K50	EPIC MC04C3RSAB2R0K50	EPIC MC04C3RSAB2R0K50
		743302896	743302899	743302732	743302735
5 Pin	1 m	EPIC MC05C3LSAB2R0K10	EPIC MC05C3LSAB2R0K10	EPIC MC05C3RSAB2R0K10	EPIC MC05C3RSAB2R0K10
		743302700	743302703	743302736	743302739
	2 m	EPIC MC05C3LSAB2R0K20	EPIC MC05C3LSAB2R0K20	EPIC MC05C3RSAB2R0K20	EPIC MC05C3RSAB2R0K20
		743302701	743302704	743302737	743302740
	5 m	EPIC MC05C3LSAB2R0K50	EPIC MC05C3LSAB2R0K50	EPIC MC05C3RSAB2R0K50	EPIC MC05C3RSAB2R0K50
		743302702	743302706	743302738	743302741
8 Pin	1 m	EPIC MC08C3LSAB2R0K10	EPIC MC08C3LSAB2R0K10	EPIC MC08C3RSAB2R0K10	EPIC MC08C3RSAB2R0K10
		743302706	743302709	743302742	743302745
	2 m	EPIC MC08C3LSAB2R0K20	EPIC MC08C3LSAB2R0K20	EPIC MC08C3RSAB2R0K20	EPIC MC08C3RSAB2R0K20
		743302707	743302710	743302743	743302746
	5 m	EPIC MC08C3LSAB2R0K50	EPIC MC08C3LSAB2R0K50	EPIC MC08C3RSAB2R0K50	EPIC MC08C3RSAB2R0K50
		743302708	743302711	743302744	743302747
12 Pin	1 m	EPIC MC12C3LSAB2R0K10	EPIC MC12C3LSAB2R0K10	EPIC MC12C3RSAB2R0K10	EPIC MC12C3RSAB2R0K10
		743302712	743302715	743302748	743302751
	2 m	EPIC MC12C3LSAB2R0K20	EPIC MC12C3LSAB2R0K20	EPIC MC12C3RSAB2R0K20	EPIC MC12C3RSAB2R0K20
		743302713	743302716	743302749	743302752
	5 m	EPIC MC12C3LSAB2R0K50	EPIC MC12C3LSAB2R0K50	EPIC MC12C3RSAB2R0K50	EPIC MC12C3RSAB2R0K50
		743302714	743302717	743302750	743302753
17 Pin	1 m	EPIC MC17C3LSAB2R0K10	EPIC MC17C3LSAB2R0K10	EPIC MC17C3RSAB2R0K10	EPIC MC17C3RSAB2R0K10
		743302718	743302721	743302754	743302757
	2 m	EPIC MC17C3LSAB2R0K20	EPIC MC17C3LSAB2R0K20	EPIC MC17C3RSAB2R0K20	EPIC MC17C3RSAB2R0K20
		743302719	743302722	743302755	743302758
	5 m	EPIC MC17C3LSAB2R0K50	EPIC MC17C3LSAB2R0K50	EPIC MC17C3RSAB2R0K50	EPIC MC17C3RSAB2R0K50
		743302720	743302723	743302756	743302759



# M12 A-Code Connecting Cable



M12 A-Code, male to male, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A		1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V		500V
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)			0.25mm² (AWG 24)		0.14mm² (AWG 28)	
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	N / A						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

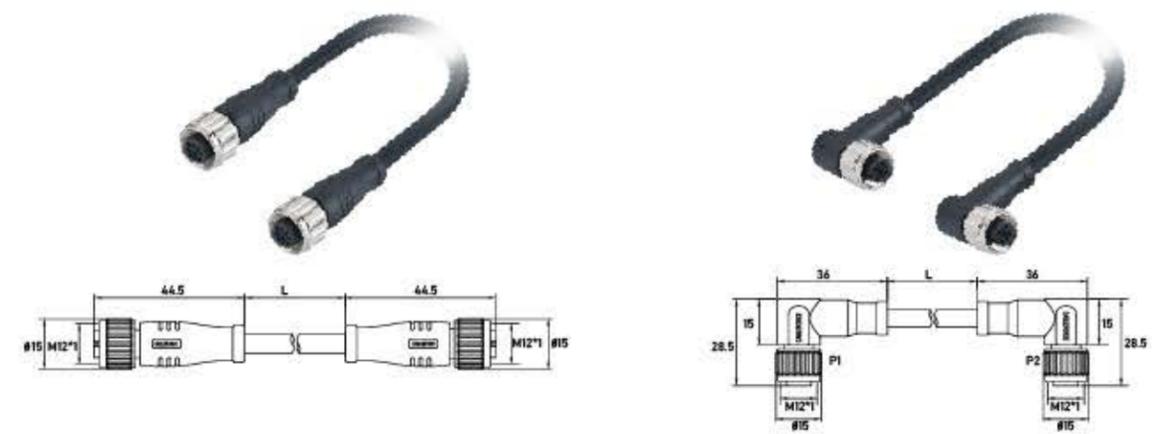
Poles	Cable length	180° Straight				90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03CSL8AB22CK10 7433502760	EPIC MC03CSL8AB22RK10 7433502763	EPIC MC03CSR8AB22CK10 7433502796	EPIC MC03CSR8AB22RK10 7433502799		
	2 m	EPIC MC03CSL8AB22CK20 7433502761	EPIC MC03CSL8AB22RK20 7433502764	EPIC MC03CSR8AB22CK20 7433502797	EPIC MC03CSR8AB22RK20 7433502800		
	5 m	EPIC MC03CSL8AB22CK50 7433502762	EPIC MC03CSL8AB22RK50 7433502765	EPIC MC03CSR8AB22CK50 7433502798	EPIC MC03CSR8AB22RK50 7433502801		
4 Pin	1 m	EPIC MC04CSL8AB22CK10 7433502766	EPIC MC04CSL8AB22RK10 7433502769	EPIC MC04CSR8AB22CK10 7433502802	EPIC MC04CSR8AB22RK10 7433502805		
	2 m	EPIC MC04CSL8AB22CK20 7433502767	EPIC MC04CSL8AB22RK20 7433502770	EPIC MC04CSR8AB22CK20 7433502803	EPIC MC04CSR8AB22RK20 7433502806		
	5 m	EPIC MC04CSL8AB22CK50 7433502768	EPIC MC04CSL8AB22RK50 7433502771	EPIC MC04CSR8AB22CK50 7433502804	EPIC MC04CSR8AB22RK50 7433502807		
5 Pin	1 m	EPIC MC05CSL8AB22CK10 7433502772	EPIC MC05CSL8AB22RK10 7433502775	EPIC MC05CSR8AB22CK10 7433502808	EPIC MC05CSR8AB22RK10 7433502811		
	2 m	EPIC MC05CSL8AB22CK20 7433502773	EPIC MC05CSL8AB22RK20 7433502776	EPIC MC05CSR8AB22CK20 7433502809	EPIC MC05CSR8AB22RK20 7433502812		
	5 m	EPIC MC05CSL8AB22CK50 7433502774	EPIC MC05CSL8AB22RK50 7433502777	EPIC MC05CSR8AB22CK50 7433502810	EPIC MC05CSR8AB22RK50 7433502813		
8 Pin	1 m	EPIC MC08CSL8AB24CK10 7433502778	EPIC MC08CSL8AB24RK10 7433502781	EPIC MC08CSR8AB24CK10 7433502814	EPIC MC08CSR8AB24RK10 7433502817		
	2 m	EPIC MC08CSL8AB24CK20 7433502779	EPIC MC08CSL8AB24RK20 7433502782	EPIC MC08CSR8AB24CK20 7433502815	EPIC MC08CSR8AB24RK20 7433502818		
	5 m	EPIC MC08CSL8AB24CK50 7433502780	EPIC MC08CSL8AB24RK50 7433502783	EPIC MC08CSR8AB24CK50 7433502816	EPIC MC08CSR8AB24RK50 7433502819		
12 Pin	1 m	EPIC MC12CSL8AB26CK10 7433502784	EPIC MC12CSL8AB26RK10 7433502787	EPIC MC12CSR8AB26CK10 7433502820	EPIC MC12CSR8AB26RK10 7433502823		
	2 m	EPIC MC12CSL8AB26CK20 7433502785	EPIC MC12CSL8AB26RK20 7433502788	EPIC MC12CSR8AB26CK20 7433502821	EPIC MC12CSR8AB26RK20 7433502824		
	5 m	EPIC MC12CSL8AB26CK50 7433502786	EPIC MC12CSL8AB26RK50 7433502789	EPIC MC12CSR8AB26CK50 7433502822	EPIC MC12CSR8AB26RK50 7433502825		
17 Pin	1 m	EPIC MC17CSL8AB26CK10 7433502790	EPIC MC17CSL8AB26RK10 7433502793	EPIC MC17CSR8AB26CK10 7433502826	EPIC MC17CSR8AB26RK10 7433502829		
	2 m	EPIC MC17CSL8AB26CK20 7433502791	EPIC MC17CSL8AB26RK20 7433502794	EPIC MC17CSR8AB26CK20 7433502827	EPIC MC17CSR8AB26RK20 7433502830		
	5 m	EPIC MC17CSL8AB26CK50 7433502792	EPIC MC17CSL8AB26RK50 7433502795	EPIC MC17CSR8AB26CK50 7433502828	EPIC MC17CSR8AB26RK50 7433502831		



# M12 A-Code Connecting Cable



M12 A-Code, female to female, double ended, molded cable, Un-shielded



### Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A		1.5A	
Rated voltage	250V		60V		30V		
Impulse voltage	2500V		1500V		800V		500V
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)			0.25mm² (AWG 24)		0.14mm² (AWG 28)	
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	POM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

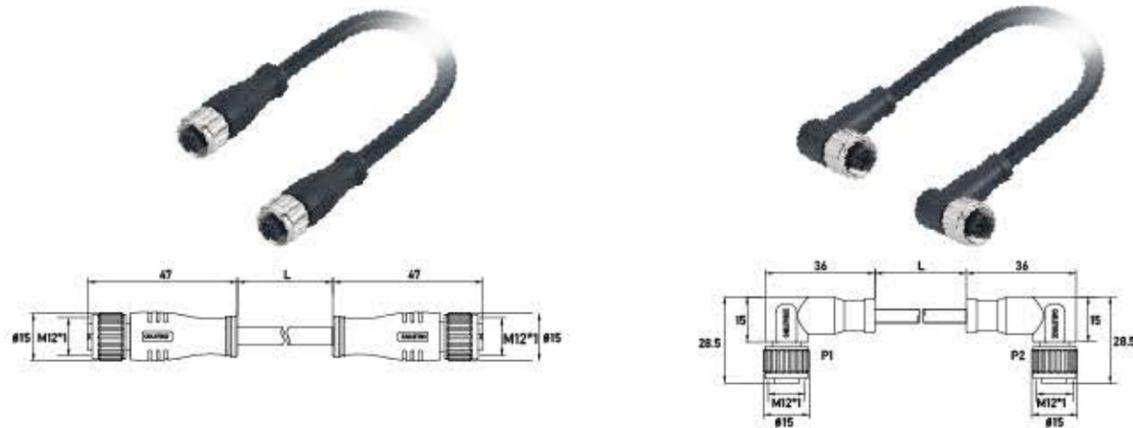
Poles	Cable length	180° Straight				90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03CSL8AB22CK10 7433502802	EPIC MC03CSL8AB22RK10 7433502805	EPIC MC03CSR8AB22CK10 7433502838	EPIC MC03CSR8AB22RK10 7433502841		
	2 m	EPIC MC03CSL8AB22CK20 7433502803	EPIC MC03CSL8AB22RK20 7433502806	EPIC MC03CSR8AB22CK20 7433502839	EPIC MC03CSR8AB22RK20 7433502842		
	5 m	EPIC MC03CSL8AB22CK50 7433502804	EPIC MC03CSL8AB22RK50 7433502807	EPIC MC03CSR8AB22CK50 7433502840	EPIC MC03CSR8AB22RK50 7433502843		
4 Pin	1 m	EPIC MC04CSL8AB22CK10 7433502808	EPIC MC04CSL8AB22RK10 7433502811	EPIC MC04CSR8AB22CK10 7433502844	EPIC MC04CSR8AB22RK10 7433502847		
	2 m	EPIC MC04CSL8AB22CK20 7433502809	EPIC MC04CSL8AB22RK20 7433502812	EPIC MC04CSR8AB22CK20 7433502845	EPIC MC04CSR8AB22RK20 7433502848		
	5 m	EPIC MC04CSL8AB22CK50 7433502810	EPIC MC04CSL8AB22RK50 7433502813	EPIC MC04CSR8AB22CK50 7433502846	EPIC MC04CSR8AB22RK50 7433502849		
5 Pin	1 m	EPIC MC05CSL8AB22CK10 7433502814	EPIC MC05CSL8AB22RK10 7433502817	EPIC MC05CSR8AB22CK10 7433502850	EPIC MC05CSR8AB22RK10 7433502853		
	2 m	EPIC MC05CSL8AB22CK20 7433502815	EPIC MC05CSL8AB22RK20 7433502818	EPIC MC05CSR8AB22CK20 7433502851	EPIC MC05CSR8AB22RK20 7433502854		
	5 m	EPIC MC05CSL8AB22CK50 7433502816	EPIC MC05CSL8AB22RK50 7433502819	EPIC MC05CSR8AB22CK50 7433502852	EPIC MC05CSR8AB22RK50 7433502855		
8 Pin	1 m	EPIC MC08CSL8AB24CK10 7433502820	EPIC MC08CSL8AB24RK10 7433502823	EPIC MC08CSR8AB24CK10 7433502856	EPIC MC08CSR8AB24RK10 7433502859		
	2 m	EPIC MC08CSL8AB24CK20 7433502821	EPIC MC08CSL8AB24RK20 7433502824	EPIC MC08CSR8AB24CK20 7433502857	EPIC MC08CSR8AB24RK20 7433502860		
	5 m	EPIC MC08CSL8AB24CK50 7433502822	EPIC MC08CSL8AB24RK50 7433502825	EPIC MC08CSR8AB24CK50 7433502858	EPIC MC08CSR8AB24RK50 7433502861		
12 Pin	1 m	EPIC MC12CSL8AB26CK10 7433502826	EPIC MC12CSL8AB26RK10 7433502829	EPIC MC12CSR8AB26CK10 7433502862	EPIC MC12CSR8AB26RK10 7433502865		
	2 m	EPIC MC12CSL8AB26CK20 7433502827	EPIC MC12CSL8AB26RK20 7433502830	EPIC MC12CSR8AB26CK20 7433502863	EPIC MC12CSR8AB26RK20 7433502866		
	5 m	EPIC MC12CSL8AB26CK50 7433502828	EPIC MC12CSL8AB26RK50 7433502831	EPIC MC12CSR8AB26CK50 7433502864	EPIC MC12CSR8AB26RK50 7433502867		
17 Pin	1 m	EPIC MC17CSL8AB26CK10 7433502832	EPIC MC17CSL8AB26RK10 7433502835	EPIC MC17CSR8AB26CK10 7433502868	EPIC MC17CSR8AB26RK10 7433502871		
	2 m	EPIC MC17CSL8AB26CK20 7433502833	EPIC MC17CSL8AB26RK20 7433502836	EPIC MC17CSR8AB26CK20 7433502869	EPIC MC17CSR8AB26RK20 7433502872		
	5 m	EPIC MC17CSL8AB26CK50 7433502834	EPIC MC17CSL8AB26RK50 7433502837	EPIC MC17CSR8AB26CK50 7433502870	EPIC MC17CSR8AB26RK50 7433502873		



# M12 A-Code Connecting Cable, Shielded



M12 A-Code, female to female, double ended, molded cable, 360° EMI-Shielded



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A		1.5A	
Rated voltage	250V		60V		30V		500V
Impulse voltage	2500V		1500V		800V		500V
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)		0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

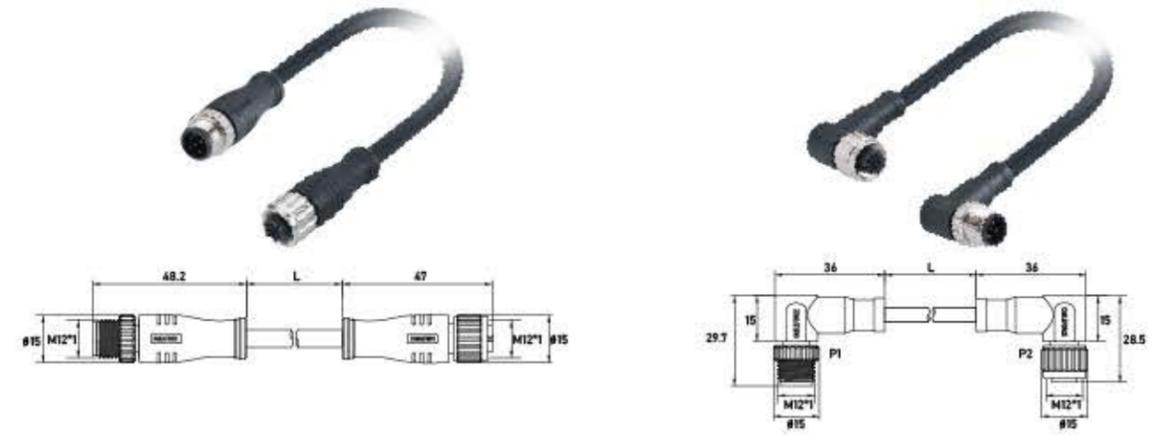
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1m	EPIC MC03C4LSAB22CK10 743350294	EPIC MC03C4LSAB22RK10 743350297	EPIC MC03C4RSAB22CK10 743350294	EPIC MC03C4RSAB22RK10 743350297
	2m	EPIC MC03C4LSAB22CK20 743350295	EPIC MC03C4LSAB22RK20 743350298	EPIC MC03C4RSAB22CK20 743350295	EPIC MC03C4RSAB22RK20 743350298
	5m	EPIC MC03C4LSAB22CK50 743350296	EPIC MC03C4LSAB22RK50 743350299	EPIC MC03C4RSAB22CK50 743350296	EPIC MC03C4RSAB22RK50 743350299
4 Pin	1m	EPIC MC04C4LSAB22CK10 743350291	EPIC MC04C4LSAB22RK10 743350294	EPIC MC04C4RSAB22CK10 743350291	EPIC MC04C4RSAB22RK10 743350294
	2m	EPIC MC04C4LSAB22CK20 743350292	EPIC MC04C4LSAB22RK20 743350295	EPIC MC04C4RSAB22CK20 743350292	EPIC MC04C4RSAB22RK20 743350295
	5m	EPIC MC04C4LSAB22CK50 743350293	EPIC MC04C4LSAB22RK50 743350296	EPIC MC04C4RSAB22CK50 743350293	EPIC MC04C4RSAB22RK50 743350296
5 Pin	1m	EPIC MC05C4LSAB22CK10 743350297	EPIC MC05C4LSAB22RK10 743350300	EPIC MC05C4RSAB22CK10 743350297	EPIC MC05C4RSAB22RK10 743350300
	2m	EPIC MC05C4LSAB22CK20 743350298	EPIC MC05C4LSAB22RK20 743350301	EPIC MC05C4RSAB22CK20 743350298	EPIC MC05C4RSAB22RK20 743350301
	5m	EPIC MC05C4LSAB22CK50 743350299	EPIC MC05C4LSAB22RK50 743350302	EPIC MC05C4RSAB22CK50 743350299	EPIC MC05C4RSAB22RK50 743350302
8 Pin	1m	EPIC MC08C4LSAB24CK10 743350292	EPIC MC08C4LSAB24RK10 743350295	EPIC MC08C4RSAB24CK10 743350292	EPIC MC08C4RSAB24RK10 743350295
	2m	EPIC MC08C4LSAB24CK20 743350293	EPIC MC08C4LSAB24RK20 743350296	EPIC MC08C4RSAB24CK20 743350293	EPIC MC08C4RSAB24RK20 743350296
	5m	EPIC MC08C4LSAB24CK50 743350294	EPIC MC08C4LSAB24RK50 743350297	EPIC MC08C4RSAB24CK50 743350294	EPIC MC08C4RSAB24RK50 743350297
12 Pin	1m	EPIC MC12C4LSAB26CK10 743350298	EPIC MC12C4LSAB26RK10 743350301	EPIC MC12C4RSAB26CK10 743350298	EPIC MC12C4RSAB26RK10 743350301
	2m	EPIC MC12C4LSAB26CK20 743350299	EPIC MC12C4LSAB26RK20 743350302	EPIC MC12C4RSAB26CK20 743350299	EPIC MC12C4RSAB26RK20 743350302
	5m	EPIC MC12C4LSAB26CK50 743350300	EPIC MC12C4LSAB26RK50 743350303	EPIC MC12C4RSAB26CK50 743350300	EPIC MC12C4RSAB26RK50 743350303
17 Pin	1m	EPIC MC17C4LSAB28CK10 743350294	EPIC MC17C4LSAB28RK10 743350297	EPIC MC17C4RSAB28CK10 743350294	EPIC MC17C4RSAB28RK10 743350297
	2m	EPIC MC17C4LSAB28CK20 743350295	EPIC MC17C4LSAB28RK20 743350298	EPIC MC17C4RSAB28CK20 743350295	EPIC MC17C4RSAB28RK20 743350298
	5m	EPIC MC17C4LSAB28CK50 743350296	EPIC MC17C4LSAB28RK50 743350299	EPIC MC17C4RSAB28CK50 743350296	EPIC MC17C4RSAB28RK50 743350299



# M12 A-Code Connecting Cable



M12 A-Code, male to female, double ended, molded cable, 360° EMI-Shielded



Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A		1.5A	
Rated voltage	250V		60V		30V		500V
Impulse voltage	2500V		1500V		800V		500V
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm² (AWG 22)		0.25mm² (AWG 24)			0.14mm² (AWG 26)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤ 5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass / Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

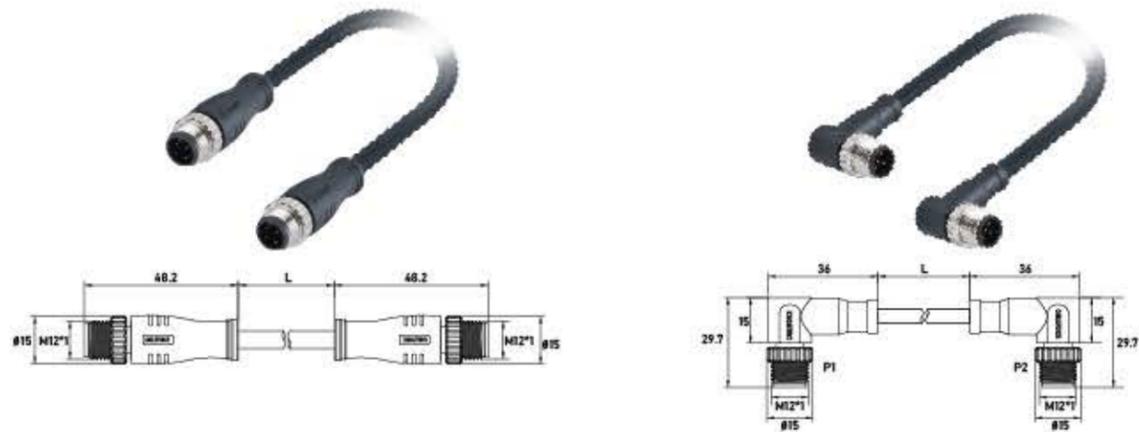
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1m	EPIC MC03C3LSAB22CK10 743350297	EPIC MC03C3LSAB22RK10 743350299	EPIC MC03C3RSAB22CK10 743350297	EPIC MC03C3RSAB22RK10 743350299
	2m	EPIC MC03C3LSAB22CK20 743350297	EPIC MC03C3LSAB22RK20 743350299	EPIC MC03C3RSAB22CK20 743350297	EPIC MC03C3RSAB22RK20 743350299
	5m	EPIC MC03C3LSAB22CK50 743350297	EPIC MC03C3LSAB22RK50 743350299	EPIC MC03C3RSAB22CK50 743350297	EPIC MC03C3RSAB22RK50 743350299
4 Pin	1m	EPIC MC04C3LSAB22CK10 743350298	EPIC MC04C3LSAB22RK10 743350299	EPIC MC04C3RSAB22CK10 743350298	EPIC MC04C3RSAB22RK10 743350299
	2m	EPIC MC04C3LSAB22CK20 743350298	EPIC MC04C3LSAB22RK20 743350299	EPIC MC04C3RSAB22CK20 743350298	EPIC MC04C3RSAB22RK20 743350299
	5m	EPIC MC04C3LSAB22CK50 743350298	EPIC MC04C3LSAB22RK50 743350299	EPIC MC04C3RSAB22CK50 743350298	EPIC MC04C3RSAB22RK50 743350299
5 Pin	1m	EPIC MC05C3LSAB22CK10 743350298	EPIC MC05C3LSAB22RK10 743350299	EPIC MC05C3RSAB22CK10 743350298	EPIC MC05C3RSAB22RK10 743350299
	2m	EPIC MC05C3LSAB22CK20 743350298	EPIC MC05C3LSAB22RK20 743350299	EPIC MC05C3RSAB22CK20 743350298	EPIC MC05C3RSAB22RK20 743350299
	5m	EPIC MC05C3LSAB22CK50 743350298	EPIC MC05C3LSAB22RK50 743350299	EPIC MC05C3RSAB22CK50 743350298	EPIC MC05C3RSAB22RK50 743350299
8 Pin	1m	EPIC MC08C3LSAB24CK10 743350294	EPIC MC08C3LSAB24RK10 743350297	EPIC MC08C3RSAB24CK10 743350294	EPIC MC08C3RSAB24RK10 743350297
	2m	EPIC MC08C3LSAB24CK20 743350294	EPIC MC08C3LSAB24RK20 743350297	EPIC MC08C3RSAB24CK20 743350294	EPIC MC08C3RSAB24RK20 743350297
	5m	EPIC MC08C3LSAB24CK50 743350294	EPIC MC08C3LSAB24RK50 743350297	EPIC MC08C3RSAB24CK50 743350294	EPIC MC08C3RSAB24RK50 743350297
12 Pin	1m	EPIC MC12C3LSAB26CK10 743350298	EPIC MC12C3LSAB26RK10 743350299	EPIC MC12C3RSAB26CK10 743350298	EPIC MC12C3RSAB26RK10 743350299
	2m	EPIC MC12C3LSAB26CK20 743350298	EPIC MC12C3LSAB26RK20 743350299	EPIC MC12C3RSAB26CK20 743350298	EPIC MC12C3RSAB26RK20 743350299
	5m	EPIC MC12C3LSAB26CK50 743350298	EPIC MC12C3LSAB26RK50 743350299	EPIC MC12C3RSAB26CK50 743350298	EPIC MC12C3RSAB26RK50 743350299
17 Pin	1m	EPIC MC17C3LSAB28CK10 743350300	EPIC MC17C3LSAB28RK10 743350300	EPIC MC17C3RSAB28CK10 743350300	EPIC MC17C3RSAB28RK10 743350300
	2m	EPIC MC17C3LSAB28CK20 743350300	EPIC MC17C3LSAB28RK20 743350300	EPIC MC17C3RSAB28CK20 743350300	EPIC MC17C3RSAB28RK20 743350300
	5m	EPIC MC17C3LSAB28CK50 743350300	EPIC MC17C3LSAB28RK50 743350300	EPIC MC17C3RSAB28CK50 743350300	EPIC MC17C3RSAB28RK50 743350300



# M12 A-Code Connecting Cable



M12 A-Code, male to male, double ended, molded cable, 360° EMI-Shielded



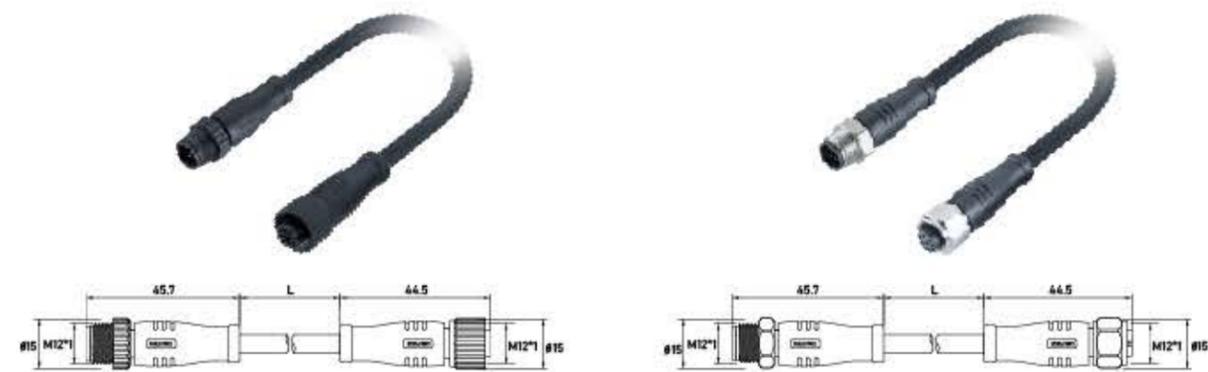
Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		90V		30V		
Impulse voltage	2500V		1500V		800V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass, CNC, nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	N / A						
Protection degree	IP67						
Pollution degree	3						

Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC09C5LSASB22CK10 7433503048	EPIC MC09C5LSASB22RK10 7433503051	EPIC MC09C5RSASB22CK10 7433503084	EPIC MC09C5RSASB22RK10 7433503087
	2 m	EPIC MC09C5LSASB22CK20 7433503049	EPIC MC09C5LSASB22RK20 7433503052	EPIC MC09C5RSASB22CK20 7433503085	EPIC MC09C5RSASB22RK20 7433503088
	5 m	EPIC MC09C5LSASB22CK50 7433503050	EPIC MC09C5LSASB22RK50 7433503053	EPIC MC09C5RSASB22CK50 7433503086	EPIC MC09C5RSASB22RK50 7433503089
4 Pin	1 m	EPIC MC04C5LSASB22CK10 7433503054	EPIC MC04C5LSASB22RK10 7433503057	EPIC MC04C5RSASB22CK10 7433503090	EPIC MC04C5RSASB22RK10 7433503093
	2 m	EPIC MC04C5LSASB22CK20 7433503055	EPIC MC04C5LSASB22RK20 7433503058	EPIC MC04C5RSASB22CK20 7433503091	EPIC MC04C5RSASB22RK20 7433503094
	5 m	EPIC MC04C5LSASB22CK50 7433503056	EPIC MC04C5LSASB22RK50 7433503059	EPIC MC04C5RSASB22CK50 7433503092	EPIC MC04C5RSASB22RK50 7433503095
5 Pin	1 m	EPIC MC05C5LSASB22CK10 7433503060	EPIC MC05C5LSASB22RK10 7433503063	EPIC MC05C5RSASB22CK10 7433503096	EPIC MC05C5RSASB22RK10 7433503099
	2 m	EPIC MC05C5LSASB22CK20 7433503061	EPIC MC05C5LSASB22RK20 7433503064	EPIC MC05C5RSASB22CK20 7433503097	EPIC MC05C5RSASB22RK20 7433503100
	5 m	EPIC MC05C5LSASB22CK50 7433503062	EPIC MC05C5LSASB22RK50 7433503065	EPIC MC05C5RSASB22CK50 7433503098	EPIC MC05C5RSASB22RK50 7433503101
8 Pin	1 m	EPIC MC08C5LSASB24CK10 7433503066	EPIC MC08C5LSASB24RK10 7433503069	EPIC MC08C5RSASB24CK10 7433503102	EPIC MC08C5RSASB24RK10 7433503105
	2 m	EPIC MC08C5LSASB24CK20 7433503067	EPIC MC08C5LSASB24RK20 7433503070	EPIC MC08C5RSASB24CK20 7433503103	EPIC MC08C5RSASB24RK20 7433503106
	5 m	EPIC MC08C5LSASB24CK50 7433503068	EPIC MC08C5LSASB24RK50 7433503071	EPIC MC08C5RSASB24CK50 7433503104	EPIC MC08C5RSASB24RK50 7433503107
12 Pin	1 m	EPIC MC12C5LSASB26CK10 7433503072	EPIC MC12C5LSASB26RK10 7433503075	EPIC MC12C5RSASB26CK10 7433503108	EPIC MC12C5RSASB26RK10 7433503111
	2 m	EPIC MC12C5LSASB26CK20 7433503073	EPIC MC12C5LSASB26RK20 7433503076	EPIC MC12C5RSASB26CK20 7433503109	EPIC MC12C5RSASB26RK20 7433503112
	5 m	EPIC MC12C5LSASB26CK50 7433503074	EPIC MC12C5LSASB26RK50 7433503077	EPIC MC12C5RSASB26CK50 7433503110	EPIC MC12C5RSASB26RK50 7433503113
17 Pin	1 m	EPIC MC17C5LSASB26CK10 7433503078	EPIC MC17C5LSASB26RK10 7433503081	EPIC MC17C5RSASB26CK10 7433503114	EPIC MC17C5RSASB26RK10 7433503117
	2 m	EPIC MC17C5LSASB26CK20 7433503079	EPIC MC17C5LSASB26RK20 7433503082	EPIC MC17C5RSASB26CK20 7433503115	EPIC MC17C5RSASB26RK20 7433503118
	5 m	EPIC MC17C5LSASB26CK50 7433503080	EPIC MC17C5LSASB26RK50 7433503083	EPIC MC17C5RSASB26CK50 7433503116	EPIC MC17C5RSASB26RK50 7433503119

# M12 A-Code Connecting Cable



M12 A-Code, male to female, double ended, molded cable, Un-shielded

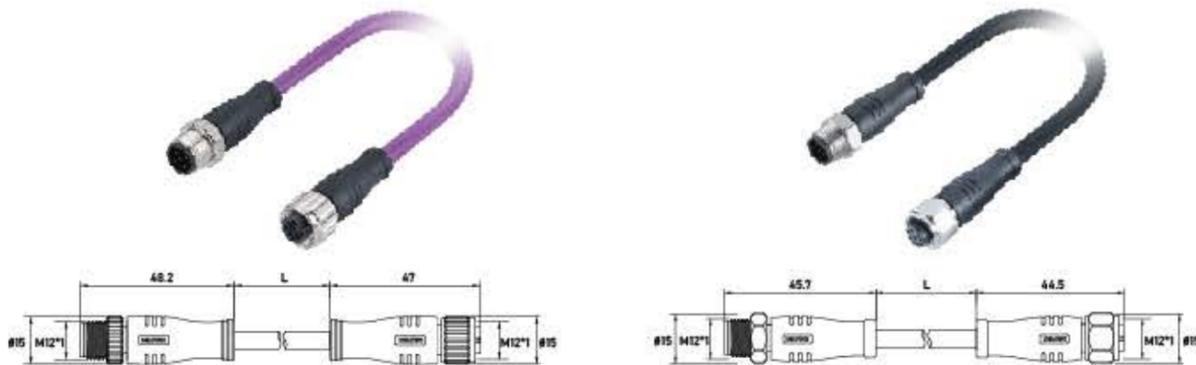


Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		90V		30V		
Impulse voltage	2500V		1500V		800V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Termination	Soldering						
Cable specification	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Over-molding	TPU						
Contact carrier	TPU + GF						
Screw nut	PA66+GF, SUS 316 stainless steel						
Contact	Brass, Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						

Ordering No.					
Poles	Cable length	Plastic Screw		Stainless Steel Screw	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	1 m	EPIC MC03C3LSAP22CK10 7433503120	EPIC MC03C3SAP22RK10 7433503123	EPIC MC03C3LSA22CK10 7433503156	EPIC MC03C3LSA22RK10 7433503159
	2 m	EPIC MC03C3LSAP22CK20 7433503121	EPIC MC03C3SAP22RK20 7433503124	EPIC MC03C3LSA22CK20 7433503157	EPIC MC03C3LSA22RK20 7433503160
	5 m	EPIC MC03C3LSAP22CK50 7433503122	EPIC MC03C3SAP22RK50 7433503125	EPIC MC03C3LSA22CK50 7433503158	EPIC MC03C3LSA22RK50 7433503161
4 Pin	1 m	EPIC MC04C3LSAP22CK10 7433503126	EPIC MC04C3SAP22RK10 7433503129	EPIC MC04C3LSA22CK10 7433503162	EPIC MC04C3LSA22RK10 7433503165
	2 m	EPIC MC04C3LSAP22CK20 7433503127	EPIC MC04C3SAP22RK20 7433503130	EPIC MC04C3LSA22CK20 7433503163	EPIC MC04C3LSA22RK20 7433503166
	5 m	EPIC MC04C3LSAP22CK50 7433503128	EPIC MC04C3SAP22RK50 7433503131	EPIC MC04C3LSA22CK50 7433503164	EPIC MC04C3LSA22RK50 7433503167
5 Pin	1 m	EPIC MC05C3LSAP22CK10 7433503132	EPIC MC05C3SAP22RK10 7433503135	EPIC MC05C3LSA22CK10 7433503168	EPIC MC05C3LSA22RK10 7433503171
	2 m	EPIC MC05C3LSAP22CK20 7433503133	EPIC MC05C3SAP22RK20 7433503136	EPIC MC05C3LSA22CK20 7433503169	EPIC MC05C3LSA22RK20 7433503172
	5 m	EPIC MC05C3LSAP22CK50 7433503134	EPIC MC05C3SAP22RK50 7433503137	EPIC MC05C3LSA22CK50 7433503170	EPIC MC05C3LSA22RK50 7433503173
8 Pin	1 m	EPIC MC08C3LSAP24CK10 7433503138	EPIC MC08C3SAP24RK10 7433503141	EPIC MC08C3LSA24CK10 7433503174	EPIC MC08C3LSA24RK10 7433503177
	2 m	EPIC MC08C3LSAP24CK20 7433503139	EPIC MC08C3SAP24RK20 7433503142	EPIC MC08C3LSA24CK20 7433503175	EPIC MC08C3LSA24RK20 7433503178
	5 m	EPIC MC08C3LSAP24CK50 7433503140	EPIC MC08C3SAP24RK50 7433503143	EPIC MC08C3LSA24CK50 7433503176	EPIC MC08C3LSA24RK50 7433503179
12 Pin	1 m	EPIC MC12C3LSAP26CK10 7433503144	EPIC MC12C3SAP26RK10 7433503147	EPIC MC12C3LSA26CK10 7433503180	EPIC MC12C3LSA26RK10 7433503183
	2 m	EPIC MC12C3LSAP26CK20 7433503145	EPIC MC12C3SAP26RK20 7433503148	EPIC MC12C3LSA26CK20 7433503181	EPIC MC12C3LSA26RK20 7433503184
	5 m	EPIC MC12C3LSAP26CK50 7433503146	EPIC MC12C3SAP26RK50 7433503149	EPIC MC12C3LSA26CK50 7433503182	EPIC MC12C3LSA26RK50 7433503185
17 Pin	1 m	EPIC MC17C3LSAP26CK10 7433503150	EPIC MC17C3SAP26RK10 7433503153	EPIC MC17C3LSA26CK10 7433503186	EPIC MC17C3LSA26RK10 7433503189
	2 m	EPIC MC17C3LSAP26CK20 7433503151	EPIC MC17C3SAP26RK20 7433503154	EPIC MC17C3LSA26CK20 7433503187	EPIC MC17C3LSA26RK20 7433503190
	5 m	EPIC MC17C3LSAP26CK50 7433503152	EPIC MC17C3SAP26RK50 7433503155	EPIC MC17C3LSA26CK50 7433503188	EPIC MC17C3LSA26RK50 7433503191



DeviceNet, CANopen NMEA2000 Micro, male to female, double ended, molded cable



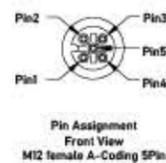
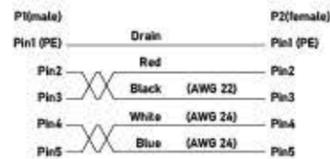
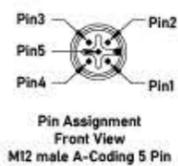
Connector Technical data

Contacts No.	Male	Cable Color	Female
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	60V		
Impulse voltage	1500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm		
Termination	Soldering		
Cable specification	0.34mm <sup>2</sup> + 0.25 mm <sup>2</sup> (AWG 22 + AWG 24)		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	120Ω ±15		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	SUS316 stainless steel; Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

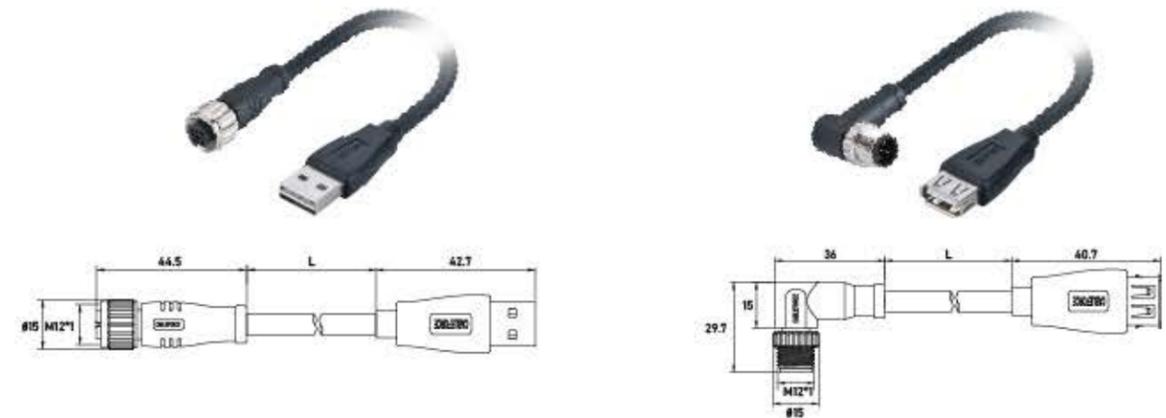
Ordering No.

Poles	Cable length	Metal Screw Version		Stainless Steel Screw	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
5Pin (4P+PE)	0.3 m	EPIC MC4EC3LSAB24CV03-DVN	EPIC MC4EC3LSAB24RV03-DVN	EPIC MC4EC3LSAB24CK03-DVN	EPIC MC4EC3LSAB24RK03-DVN
		7433503192	7433503198	7433503204	7433503210
	1.0 m	EPIC MC4EC3LSAB24CV10-DVN	EPIC MC4EC3LSAB24RV10-DVN	EPIC MC4EC3LSAB24CK10-DVN	EPIC MC4EC3LSAB24RK10-DVN
		7433503193	7433503199	7433503205	7433503211
	1.8 m	EPIC MC4EC3LSAB24CV18-DVN	EPIC MC4EC3LSAB24RV18-DVN	EPIC MC4EC3LSAB24CK18-DVN	EPIC MC4EC3LSAB24RK18-DVN
		7433503194	7433503200	7433503206	7433503212
	2.0 m	EPIC MC4EC3LSAB24CV20-DVN	EPIC MC4EC3LSAB24RV20-DVN	EPIC MC4EC3LSAB24CK20-DVN	EPIC MC4EC3LSAB24RK20-DVN
		7433503195	7433503201	7433503207	7433503213
	3.0 m	EPIC MC4EC3LSAB24CV30-DVN	EPIC MC4EC3LSAB24RV30-DVN	EPIC MC4EC3LSAB24CK30-DVN	EPIC MC4EC3LSAB24RK30-DVN
		7433503196	7433503202	7433503208	7433503214
	6.0 m	EPIC MC4EC3LSAB24CV60-DVN	EPIC MC4EC3LSAB24RV60-DVN	EPIC MC4EC3LSAB24CK60-DVN	EPIC MC4EC3LSAB24RK60-DVN
		7433503197	7433503203	7433503209	7433503215

Wiring Diagram



M12 A-Code - USB 2.0 connector, molded with cable



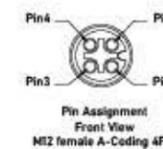
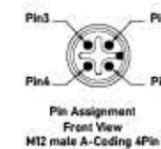
Connector Technical data

Contacts No.	M12 A-code 4Pin Male	USB 2.0 Male	M12 A-code 4Pin Female	USB 2.0 Female
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	1A			
Rated voltage	30V			
Impulse voltage	500V			
Locking system	M12 x 1.0 screw			
Termination	Soldering			
Cable specification	0.25mm <sup>2</sup> (AWG 24)			
Rated temperature	-40 °C ... +75 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤10mΩ			
Over-molding	TPU			
Contact carrier	TPU+ GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67(M12)			
Pollution degree	2			

Ordering No.

Poles	Cable length	M12 A Female- USB 2.0 Male		M12 A Male/USB 2.0 Female	
		PVC Cable	PUR Cable	PVC Cable	PUR Cable
4 Pin - 4 Pin	0.3 m	EPIC MC04C2LSASB-U2C1-24CK03	EPIC MC04C2LSASB-U2C1-24RK03	EPIC MC04C1RSASB-U2C2-24CK03	EPIC MC04C1RSASB-U2C2-24RK03
		7433503216	7433503222	7433503228	7433503234
	0.6 m	EPIC MC04C2LSASB-U2C1-24CK06	EPIC MC04C2LSASB-U2C1-24RK06	EPIC MC04C1RSASB-U2C2-24CK06	EPIC MC04C1RSASB-U2C2-24RK06
		7433503217	7433503223	7433503229	7433503235
	1.0 m	EPIC MC04C2LSASB-U2C1-24CK10	EPIC MC04C2LSASB-U2C1-24RK10	EPIC MC04C1RSASB-U2C2-24CK10	EPIC MC04C1RSASB-U2C2-24RK10
		7433503218	7433503224	7433503230	7433503236
	1.8 m	EPIC MC04C2LSASB-U2C1-24CK18	EPIC MC04C2LSASB-U2C1-24RK18	EPIC MC04C1RSASB-U2C2-24CK18	EPIC MC04C1RSASB-U2C2-24RK18
		7433503219	7433503225	7433503231	7433503237
	2.0 m	EPIC MC04C2LSASB-U2C1-24CK20	EPIC MC04C2LSASB-U2C1-24RK20	EPIC MC04C1RSASB-U2C2-24CK20	EPIC MC04C1RSASB-U2C2-24RK20
		7433503220	7433503226	7433503232	7433503238
	3.0 m	EPIC MC04C2LSASB-U2C1-24CK30	EPIC MC04C2LSASB-U2C1-24RK30	EPIC MC04C1RSASB-U2C2-24CK30	EPIC MC04C1RSASB-U2C2-24RK30
		7433503221	7433503227	7433503233	7433503239

Wiring Diagram



Wire List

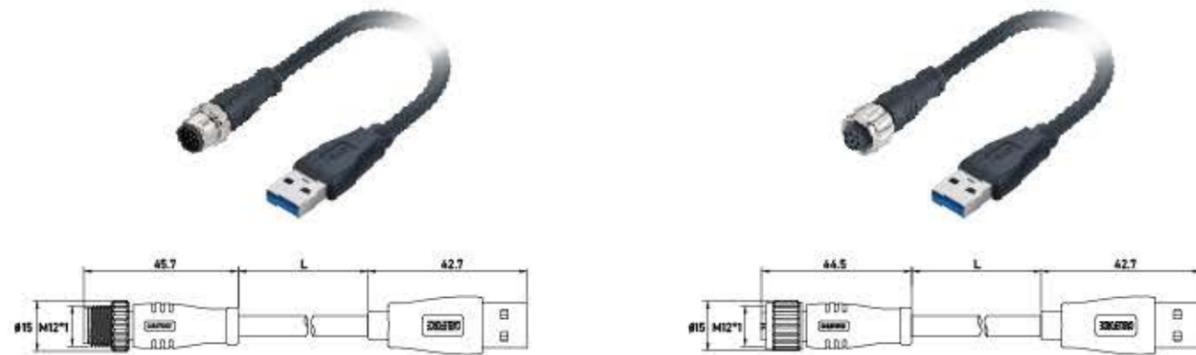
Pin(M12)	Color	Wire Gauge	Pin(USB)
Pin1	Red	(AWG 24)	Pin1
Pin2	White	(AWG 28)	Pin2
Pin3	Green	(AWG 28)	Pin3
Pin4	Black	(AWG 24)	Pin4
Shell	Drain		Shell



# M12 A-Code - USB 3.0 Connecting Cable



M12 A-Code - USB 3.0 connector, molded with cable



Connector Technical data			
Contacts No.	M12 A-code 12Pin Male	M12 A-code 12Pin Female	USB 3.0 Male
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	1A		
Rated voltage	30V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw		
Termination	Soldering		
Cable specification	0.25mm <sup>2</sup> (AWG 24)		
Rated temperature	-40 °C ... +75 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤10mΩ		
Over-molding	TPU		
Contact carrier	TPU+ GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67(M12)		
Pollution degree	2		

Ordering No.					
Poles	Cable length	M12 A Male- USB 3.0 Male		M12 A Female- USB 3.0 Male	
		PVC Cable	PUR Cable	PVC Cable	PUR Cable
12 Pin - 9 Pin	0.3 m	EPIC MC12C1LSASB-U3C1-24CK03	EPIC MC12C1LSASB-U3C1-24RK03	EPIC MC12C2LSASB-U3C1-24CK03	EPIC MC12C2LSASB-U3C1-24RK03
		7433503240	7433503246	7433503252	7433503258
	0.6 m	EPIC MC12C1LSASB-U3C1-24CK06	EPIC MC12C1LSASB-U3C1-24RK06	EPIC MC12C2LSASB-U3C1-24CK06	EPIC MC12C2LSASB-U3C1-24RK06
		7433503241	7433503247	7433503253	7433503259
	1.0 m	EPIC MC12C1LSASB-U3C1-24CK10	EPIC MC12C1LSASB-U3C1-24RK10	EPIC MC12C2LSASB-U3C1-24CK10	EPIC MC12C2LSASB-U3C1-24RK10
		7433503242	7433503248	7433503254	7433503260
	1.8 m	EPIC MC12C1LSASB-U3C1-24CK18	EPIC MC12C1LSASB-U3C1-24RK18	EPIC MC12C2LSASB-U3C1-24CK18	EPIC MC12C2LSASB-U3C1-24RK18
		7433503243	7433503249	7433503255	7433503261
	2.0 m	EPIC MC12C1LSASB-U3C1-24CK20	EPIC MC12C1LSASB-U3C1-24RK20	EPIC MC12C2LSASB-U3C1-24CK20	EPIC MC12C2LSASB-U3C1-24RK20
		7433503244	7433503250	7433503256	7433503262
	3.0 m	EPIC MC12C1LSASB-U3C1-24CK30	EPIC MC12C1LSASB-U3C1-24RK30	EPIC MC12C2LSASB-U3C1-24CK30	EPIC MC12C2LSASB-U3C1-24RK30
		7433503245	7433503251	7433503257	7433503263



# M12 D-Code Profinet/ Ethernet Cables

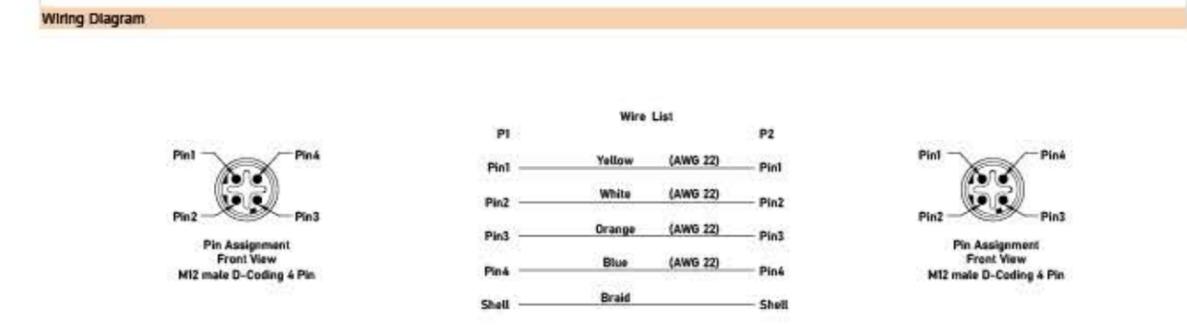


M12 D-Code, male to male, double ended, molded Profinet cable, 360° EMI-Shielded



Connector Technical data		
Contacts No.	4Pin	Cable Color
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.5Nm	
Termination	Soldering	
Cable specification	0.34mm <sup>2</sup> (AWG 22), CAT 5E SFTP	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	<5mΩ	
Characteristic impedance	100Ω ±15	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (Au48)	
O-ring	N/A	
Protection degree	IP67	
Pollution degree	3	

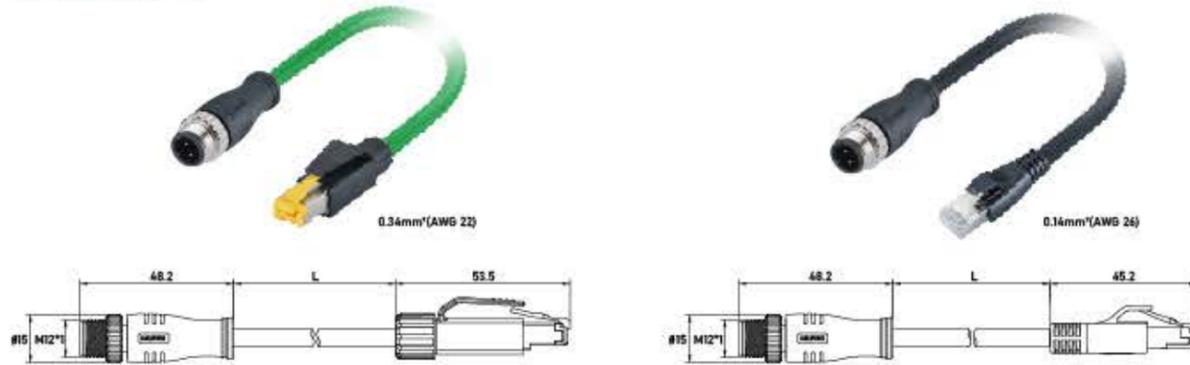
Ordering No.					
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MC04C5LSD6B22CG10-C5E	EPIC MC04C5LSD6B22RG10-C5E	EPIC MC04C5LSD6B22CG10-C5E	EPIC MC04C5LSD6B22RG10-C5E
		7433503284	7433503270	7433503276	7433503282
	2 m	EPIC MC04C5LSD6B22CG20-C5E	EPIC MC04C5LSD6B22RG20-C5E	EPIC MC04C5LSD6B22CG20-C5E	EPIC MC04C5LSD6B22RG20-C5E
		7433503285	7433503271	7433503277	7433503283
	5 m	EPIC MC04C5LSD6B22CG50-C5E	EPIC MC04C5LSD6B22RG50-C5E	EPIC MC04C5LSD6B22CG50-C5E	EPIC MC04C5LSD6B22RG50-C5E
		7433503286	7433503272	7433503278	7433503284
	10 m	EPIC MC04C5LSD6B22CG100-C5E	EPIC MC04C5LSD6B22RG100-C5E	EPIC MC04C5LSD6B22CG100-C5E	EPIC MC04C5LSD6B22RG100-C5E
		7433503287	7433503273	7433503279	7433503285
	15 m	EPIC MC04C5LSD6B22CG150-C5E	EPIC MC04C5LSD6B22RG150-C5E	EPIC MC04C5LSD6B22CG150-C5E	EPIC MC04C5LSD6B22RG150-C5E
		7433503288	7433503274	7433503280	7433503286
	20 m	EPIC MC04C5LSD6B22CG200-C5E	EPIC MC04C5LSD6B22RG200-C5E	EPIC MC04C5LSD6B22CG200-C5E	EPIC MC04C5LSD6B22RG200-C5E
		7433503289	7433503275	7433503281	7433503287



# M12 D-Code Profinet/ Ethernet Cables



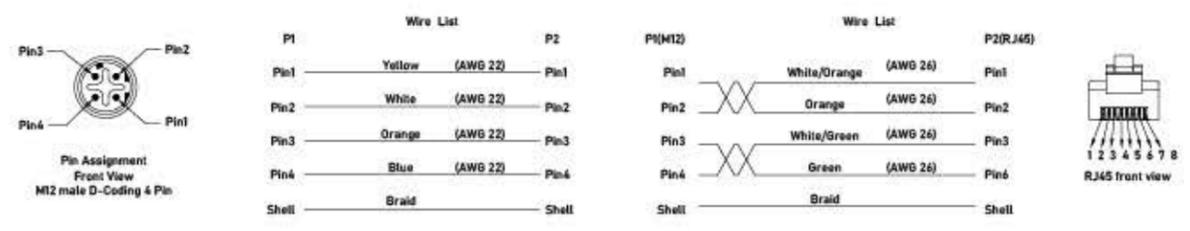
M12 D-Code, male to RJ45 male, double ended, molded Profinet cable, 360° EMI-Shielded



Connector Technical data				
Contact No.	M12 Male	Cable Color (22 AWG)	Cable Color (26 AWG)	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Insulation voltage	2500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering, RJ45: Plating			
Cable specification	0.34mm² (AWG 22), 0.14mm² (AWG 26), CAT 5E SFTP			
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +60 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	1000 Ω			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contact plating	Au (Gold)			
O-ring	N/A			
Protection degree	IP67 (M12)			
Drag chain bending	5 Million times			
Pollution degree	3			

Ordering No.					
Poles	Cable length	M12 D-Code male to RJ45 Assembly Plug M12-RJ45		M12 D-Code male to RJ45 Molding Plug M12-RJ45	
		PUR (Green Cable)	PUR (Black Cable)	PUR (Green Cable)	PUR (Black Cable)
4 Pin	1 m	EPIC RJ5EA1-MC04C1LSD0822R010-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R010-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R010-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R010-PPNFS
		743300280	743300294	743300300	743300308
	2 m	EPIC RJ5EA1-MC04C1LSD0822R020-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R020-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R020-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R020-PPNFS
		743300289	743300295	743300301	743300307
	5 m	EPIC RJ5EA1-MC04C1LSD0822R050-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R050-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R050-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R050-PPNFS
		743300290	743300296	743300302	743300308
10 m	EPIC RJ5EA1-MC04C1LSD0822R100-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R100-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R100-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R100-PPNFS	
	743300291	743300297	743300303	743300309	
15 m	EPIC RJ5EA1-MC04C1LSD0822R150-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R150-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R150-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R150-PPNFS	
	743300292	743300298	743300304	743300310	
20 m	EPIC RJ5EA1-MC04C1LSD0822R200-PPNFS	EPIC RJ5EA1-MC04C1LSD0822R200-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R200-PPNFS	EPIC RJ5EC1-MC04C1LSD0822R200-PPNFS	
	743300293	743300299	743300305	743300311	

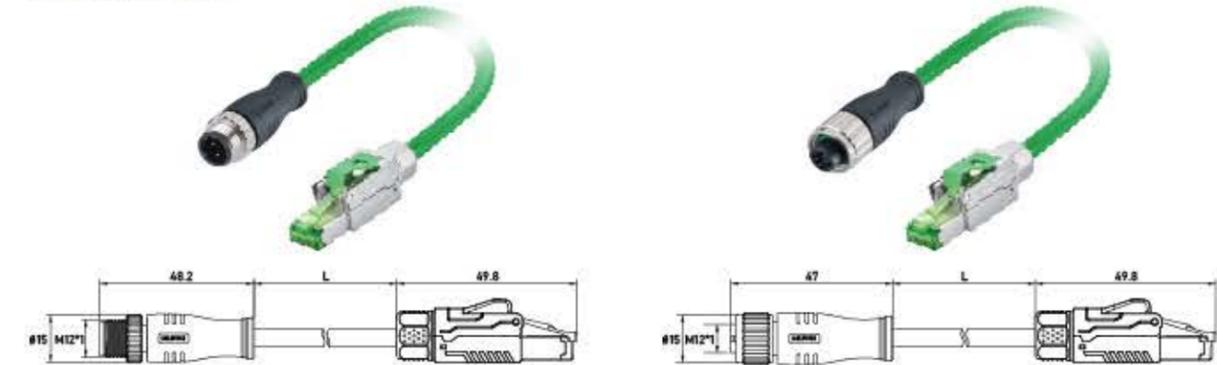
### Wiring Diagram



# M12 D-Code Profinet/ Ethernet Cables



M12 D-Code to RJ45, double ended, molded Profinet cable, 360° EMI-Shielded



Connector Technical data				
Contact No.	M12 A-code 4Pin Male	M12 A-code 4Pin Female	Cable Color (22 AWG)	RJ45 Male
Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Insulation voltage	2500V			
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended: 0.4 Nm, Max: 0.8 Nm			
Termination	Crimping			
Wire gauge	0.25mm² - 0.14mm² (24-26AWG)			
Rated temperature	Flexible: -25 - 80°C, Static: -40 - 90°C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass, Phosphor bronze			
Contact plating	Au (Gold)			
O-Ring	PCM / Silicon			
Protection degree	IP67 (M12)			
EMC Shielding	Shielded			

Ordering No.					
Poles	Cable length	M12 Male to RJ45 Male M12 - RJ45		M12 Female to RJ45 Male M12 - RJ45	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1.5 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG015	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG015	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG015	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG015
		743300312	743300320	743300328	743300336
	2.0 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG020	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG020	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG020	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG020
		743300313	743300321	743300329	743300337
	2.5 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG025	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG025	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG025	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG025
		743300314	743300322	743300330	743300338
3.0 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG030	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG030	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG030	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG030	
	743300315	743300323	743300331	743300339	
3.5 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG035	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG035	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG035	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG035	
	743300316	743300324	743300332	743300340	
4.0 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG040	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG040	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG040	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG040	
	743300317	743300325	743300333	743300341	
4.5 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG045	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG045	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG045	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG045	
	743300318	743300326	743300334	743300342	
5.0 m	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG050	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG050	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG050	EPIC RJ5AA1L1S2-MC04C1LSD08-28RG050	
	743300319	743300327	743300335	743300343	

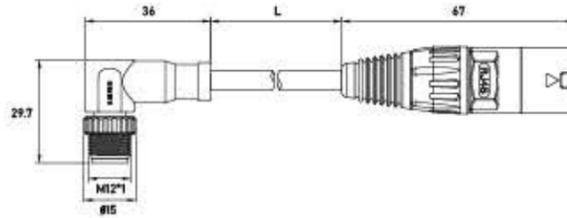
### Wiring Diagram



# M12 D-Code Profinet/ Ethernet Cables



M12 D-Code, male to RJ45 male field assembly type plug, molded Profinet cable, 360° EMI-Shielded



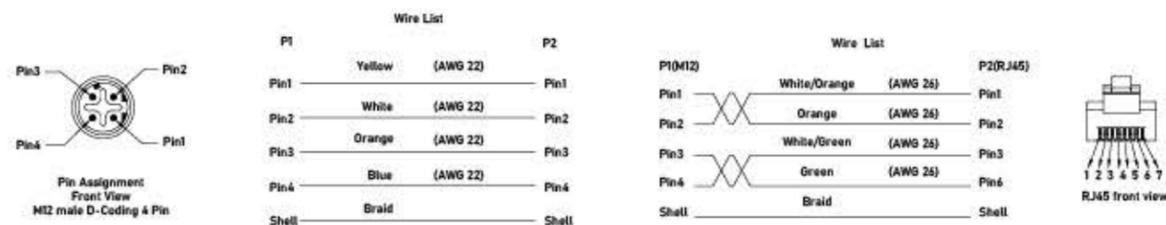
### Connector Technical data

Contacts No.	M12 Male	Cable Color (22 AWG)	Cable Color (26 AWG)	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering, RJ45: Piercing			
Cable specification	0.34mm² (AWG 22), CAT 5E SFTP			
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contact plating	Au (Gold)			
O-ring	N / A			
Protection degree	IP67(M12)			
Drag chain bending	2 Million times			
Pollution degree	3			

### Ordering No.

Poles	Cable length	PUR (Green Cable) 0.34mm² (AWG 22)	PUR (Black Cable) 0.34mm² (AWG 22)	PVC (Green Cable) 0.34mm² (AWG 22)
4 Pin	1 m	EPIC RJ5EA1S-MC04C1RSD8B22R010-PFNF2 7433503344	EPIC RJ5EA1S-MC04C1RSD8B22R010-PFNF2 7433503350	EPIC RJ5EA1S-MC04C1RSD8B22C010-PFNF2 7433503356
	2 m	EPIC RJ5EA1S-MC04C1RSD8B22R020-PFNF2 7433503345	EPIC RJ5EA1S-MC04C1RSD8B22R020-PFNF2 7433503351	EPIC RJ5EA1S-MC04C1RSD8B22C020-PFNF2 7433503357
	5 m	EPIC RJ5EA1S-MC04C1RSD8B22R050-PFNF2 7433503346	EPIC RJ5EA1S-MC04C1RSD8B22R050-PFNF2 7433503352	EPIC RJ5EA1S-MC04C1RSD8B22C050-PFNF2 7433503358
	10 m	EPIC RJ5EA1S-MC04C1RSD8B22R100-PFNF2 7433503347	EPIC RJ5EA1S-MC04C1RSD8B22R100-PFNF2 7433503353	EPIC RJ5EA1S-MC04C1RSD8B22C0100-PFNF2 7433503359
	15 m	EPIC RJ5EA1S-MC04C1RSD8B22R150-PFNF2 7433503348	EPIC RJ5EA1S-MC04C1RSD8B22R150-PFNF2 7433503354	EPIC RJ5EA1S-MC04C1RSD8B22C0150-PFNF2 7433503360
	20 m	EPIC RJ5EA1S-MC04C1RSD8B22R200-PFNF2 7433503349	EPIC RJ5EA1S-MC04C1RSD8B22R200-PFNF2 7433503355	EPIC RJ5EA1S-MC04C1RSD8B22C0200-PFNF2 7433503361

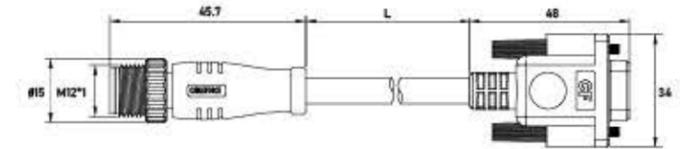
### Wiring Diagram



# M12 - D-Sub Cable Connector



M12 A-Code 8Pin male to D-Sub 9Pin female connector molded cable



### Connector Technical data

Contacts No.	M12 A-Code 8Pin male	D-Sub 9Pin female
Front View		
Reference Standard	IEC 61076-2-101, IEC60807-3	
Rated current	2A	
Rated voltage	30V	
Impulse voltage	800V	
Locking system	2*UNC#4-40 screw	
Termination	Soldering	
Rated temperature	-40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤ 10mΩ	
Connector body	Zinc alloy	
Contact carrier	TPU + GF	
Screw nut	Brass nickel plated	
Contact	Brass gold plated	
O-ring	N / A	

### Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
9 Pin	1.0 m	EPIC MC08C1-DB09C2LS24CK10 7433503362	EPIC MC08C1-DB09C2LS24RK10 7433503367
	1.8 m	EPIC MC08C1-DB09C2LS24CK18 7433503363	EPIC MC08C1-DB09C2LS24RK18 7433503368
	2.0 m	EPIC MC08C1-DB09C2LS24CK20 7433503364	EPIC MC08C1-DB09C2LS24RK20 7433503369
	3.0 m	EPIC MC08C1-DB09C2LS24CK30 7433503365	EPIC MC08C1-DB09C2LS24RK30 7433503370
	3.5 m	EPIC MC08C1-DB09C2LS24CK35 7433503366	EPIC MC08C1-DB09C2LS24RK35 7433503371

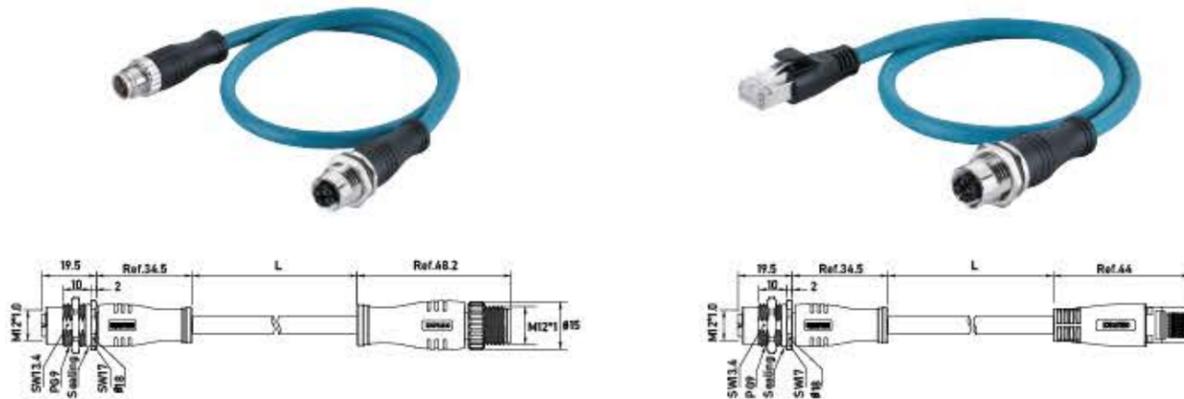
### Wiring Diagram



# M12 X-Code Ethernet Cable



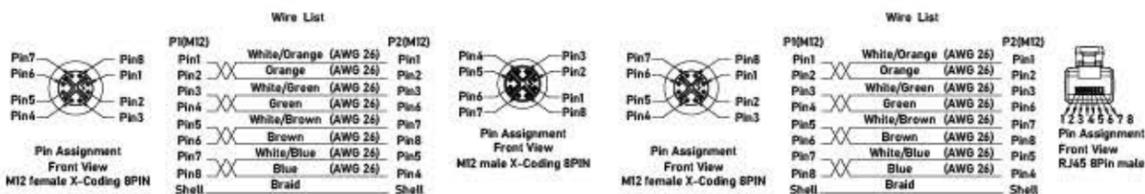
M12 X-Code Panel Mount Patch Cables, Molded Cat 6A SFTP 4x2x26AWG Ethernet Cable



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic Impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PAGE + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass / Phosphor bronze
Contacts plating	Au (30µ" Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67(M12)
Pollution degree	3

Ordering No.		M12 X-Code double ended			
Poles	Cable length	M12 X-Code double ended		M12 X-RJ45 double ended	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1P8LSX8B26CG10	EPIC MC08C1P8LSX8B26RLB10	EPIC MC08P8LSX8B26CG10-RJ45	EPIC MC08P8LSX8B26RLB10-RJ45
		7433503372	7433503378	7433503384	7433503390
	2 m	EPIC MC08C1P8LSX8B26CG20	EPIC MC08C1P8LSX8B26RLB20	EPIC MC08P8LSX8B26CG20-RJ45	EPIC MC08P8LSX8B26RLB20-RJ45
		7433503373	7433503379	7433503385	7433503391
	3 m	EPIC MC08C1P8LSX8B26CG30	EPIC MC08C1P8LSX8B26RLB30	EPIC MC08P8LSX8B26CG30-RJ45	EPIC MC08P8LSX8B26RLB30-RJ45
		7433503374	7433503380	7433503386	7433503392
	5 m	EPIC MC08C1P8LSX8B26CG50	EPIC MC08C1P8LSX8B26RLB50	EPIC MC08P8LSX8B26CG50-RJ45	EPIC MC08P8LSX8B26RLB50-RJ45
		7433503375	7433503381	7433503387	7433503393
	10 m	EPIC MC08C1P8LSX8B26CG100	EPIC MC08C1P8LSX8B26RLB100	EPIC MC08P8LSX8B26CG100-RJ45	EPIC MC08P8LSX8B26RLB100-RJ45
		7433503376	7433503382	7433503388	7433503394
	15 m	EPIC MC08C1P8LSX8B26CG150	EPIC MC08C1P8LSX8B26RLB150	EPIC MC08P8LSX8B26CG150-RJ45	EPIC MC08P8LSX8B26RLB150-RJ45
		7433503377	7433503383	7433503389	7433503395

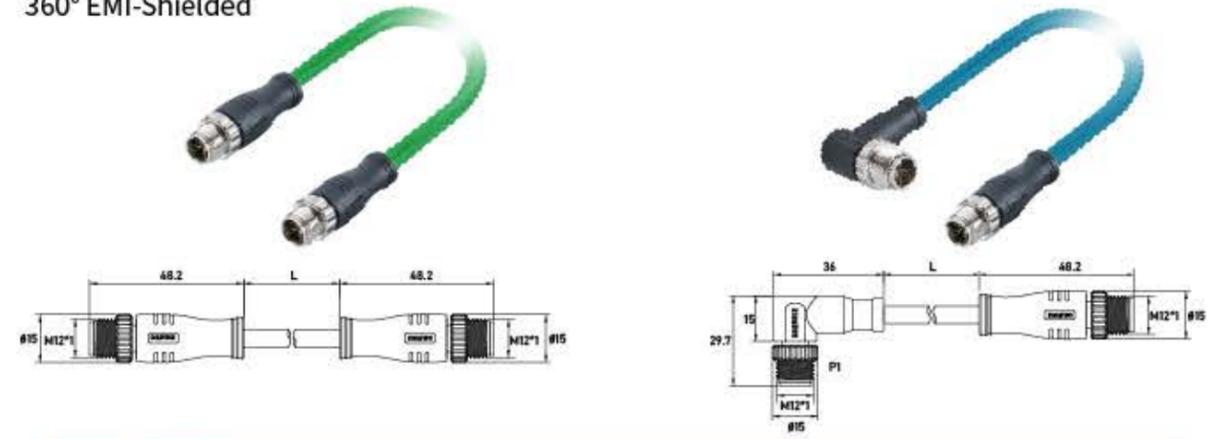
### Wiring Diagram



# M12 X-Code Profinet/ Ethernet Cables



M12 X-Code, male to male, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm
Termination	Soldering
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Characteristic Impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PAGE + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (15µ"Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3

Ordering No.		M12 X-Code double ended			
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08CSL8X8B26CG10	EPIC MC08CSL8X8B26RLB10-PFN2	EPIC MC08CSL8X8B26CG10	EPIC MC08CSL8X8B26RLB10-PFN2
		7433503396	7433503402	7433503408	7433503414
	2 m	EPIC MC08CSL8X8B26CG20	EPIC MC08CSL8X8B26RLB20-PFN2	EPIC MC08CSL8X8B26CG20	EPIC MC08CSL8X8B26RLB20-PFN2
		7433503397	7433503403	7433503409	7433503415
	3 m	EPIC MC08CSL8X8B26CG30	EPIC MC08CSL8X8B26RLB30-PFN2	EPIC MC08CSL8X8B26CG30	EPIC MC08CSL8X8B26RLB30-PFN2
		7433503398	7433503404	7433503410	7433503416
	5 m	EPIC MC08CSL8X8B26CG50	EPIC MC08CSL8X8B26RLB50-PFN2	EPIC MC08CSL8X8B26CG50	EPIC MC08CSL8X8B26RLB50-PFN2
		7433503399	7433503405	7433503411	7433503417
	10 m	EPIC MC08CSL8X8B26CG100	EPIC MC08CSL8X8B26RLB100-PFN2	EPIC MC08CSL8X8B26CG100	EPIC MC08CSL8X8B26RLB100-PFN2
		7433503400	7433503406	7433503412	7433503418
	15 m	EPIC MC08CSL8X8B26CG150	EPIC MC08CSL8X8B26RLB150-PFN2	EPIC MC08CSL8X8B26CG150	EPIC MC08CSL8X8B26RLB150-PFN2
		7433503401	7433503407	7433503413	7433503419

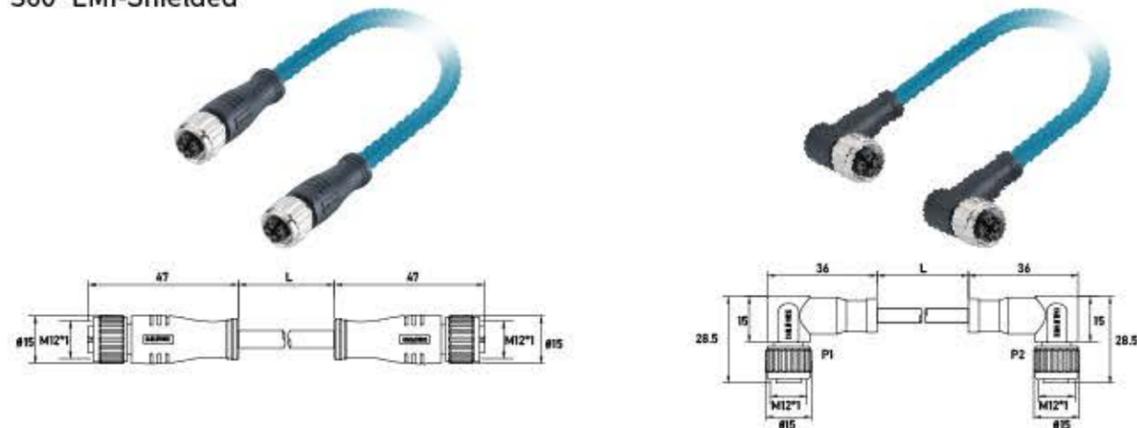
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



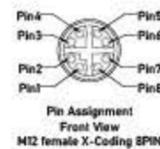
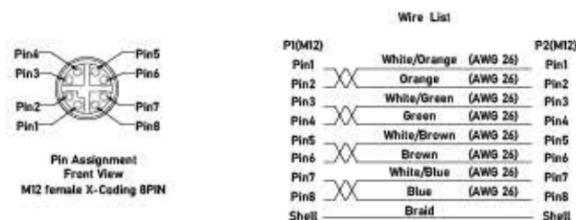
M12 X-Code, female to female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-3-108
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommended: 0.4Nm, Max: 0.8Nm
Termination	Crimping
Cable specification	Cat 6A SFTP 4x2x26AWG (0.14mm) Ethernet Cable
Rated temperature	Flexible -35 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	>100MΩ
Contact resistance	≤5mΩ
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (15µ"Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.		180° Straight		90° Right Angled	
Poles	Cable length	PVC (Green Cable)	PUR (Late Blue Cable)	PVC (Green Cable)	PUR (Late Blue Cable)
8Pin	1 m	EPIC MC08C4L5XSB26CG10-C8A	EPIC MC08C4R5XSB26CLB10-C8A	EPIC MC08C4R5XSB26CG10-C8A	EPIC MC08C4R5XSB26CLB10-C8A
		7433503420	7433503428	7433503432	7433503438
	2 m	EPIC MC08C4L5XSB26CG20-C8A	EPIC MC08C4L5XSB26RLB20-C8A	EPIC MC08C4R5XSB26CG20-C8A	EPIC MC08C4R5XSB26RLB20-C8A
		7433503421	7433503427	7433503433	7433503439
	3 m	EPIC MC08C4L5XSB26CG30-C8A	EPIC MC08C4L5XSB26RLB30-C8A	EPIC MC08C4R5XSB26CG30-C8A	EPIC MC08C4R5XSB26RLB30-C8A
		7433503422	7433503429	7433503434	7433503440
	5 m	EPIC MC08C4L5XSB26CG50-C8A	EPIC MC08C4L5XSB26RLB50-C8A	EPIC MC08C4R5XSB26CG50-C8A	EPIC MC08C4R5XSB26RLB50-C8A
		7433503423	7433503429	7433503435	7433503441
	10 m	EPIC MC08C4L5XSB26CG100-C8A	EPIC MC08C4L5XSB26RLB100-C8A	EPIC MC08C4R5XSB26CG100-C8A	EPIC MC08C4R5XSB26RLB100-C8A
		7433503424	7433503430	7433503436	7433503442
	15 m	EPIC MC08C4L5XSB26CG150-C8A	EPIC MC08C4L5XSB26RLB150-C8A	EPIC MC08C4R5XSB26CG150-C8A	EPIC MC08C4R5XSB26RLB150-C8A
		7433503425	7433503431	7433503437	7433503443

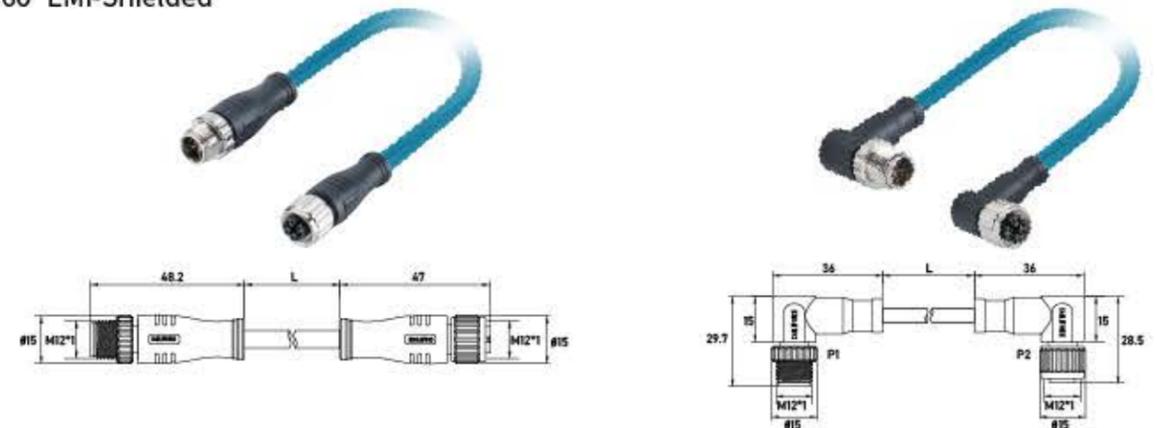
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



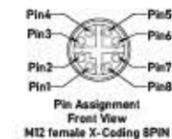
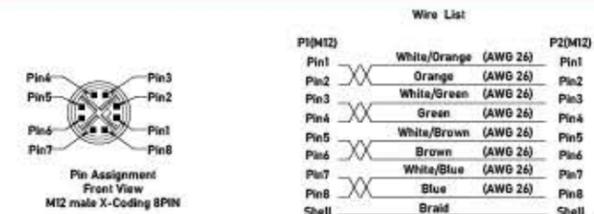
M12 X-Code, male to female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



Connector Technical data		
Contacts No.	Male	Female
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommended 0.4Nm, Max: 0.8Nm	
Termination	Crimping	
Cable specification	Cat 6A SFTP 4x2x26AWG (0.14mm) Ethernet Cable	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	>100MΩ	
Contact resistance	≤5mΩ	
Characteristic impedance	100Ω ±15	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (15µ"Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.		180° Straight		90° Right Angled	
Poles	Cable length	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C3L5XSB26CLB10-PFN	EPIC MC08C3R5XSB26RLB10-PFN	EPIC MC08C3R5XSB26CLB10-PFN	EPIC MC08C3R5XSB26RLB10-PFN
		7433503444	7433503450	7433503456	7433503462
	2 m	EPIC MC08C3L5XSB26CLB20-PFN	EPIC MC08C3R5XSB26RLB20-PFN	EPIC MC08C3R5XSB26CLB20-PFN	EPIC MC08C3R5XSB26RLB20-PFN
		7433503445	7433503451	7433503457	7433503463
	3 m	EPIC MC08C3L5XSB26CLB30-PFN	EPIC MC08C3R5XSB26RLB30-PFN	EPIC MC08C3R5XSB26CLB30-PFN	EPIC MC08C3R5XSB26RLB30-PFN
		7433503446	7433503452	7433503458	7433503464
	5 m	EPIC MC08C3L5XSB26CLB50-PFN	EPIC MC08C3R5XSB26RLB50-PFN	EPIC MC08C3R5XSB26CLB50-PFN	EPIC MC08C3R5XSB26RLB50-PFN
		7433503447	7433503453	7433503459	7433503465
	10 m	EPIC MC08C3L5XSB26CLB100-PFN	EPIC MC08C3R5XSB26RLB100-PFN	EPIC MC08C3R5XSB26CLB100-PFN	EPIC MC08C3R5XSB26RLB100-PFN
		7433503448	7433503454	7433503460	7433503466
	15 m	EPIC MC08C3L5XSB26CLB150-PFN	EPIC MC08C3R5XSB26RLB150-PFN	EPIC MC08C3R5XSB26CLB150-PFN	EPIC MC08C3R5XSB26RLB150-PFN
		7433503449	7433503455	7433503461	7433503467

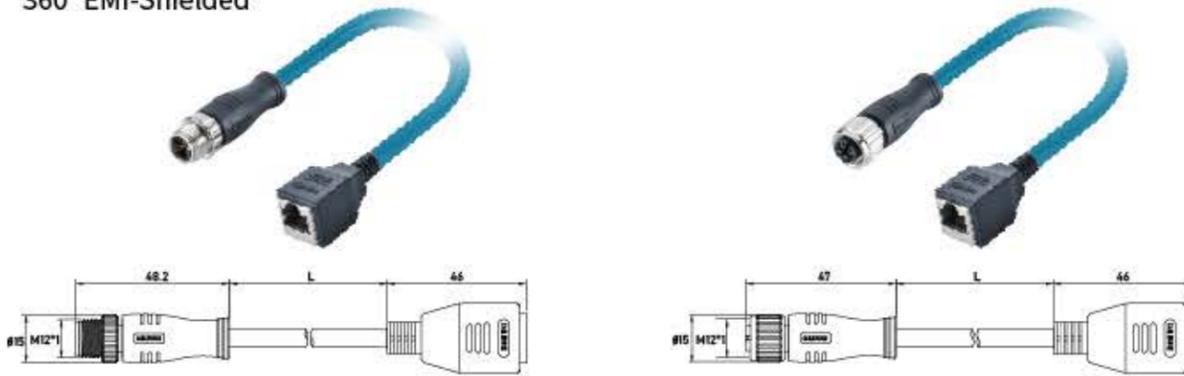
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



M12 X-Code to RJ45 female, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



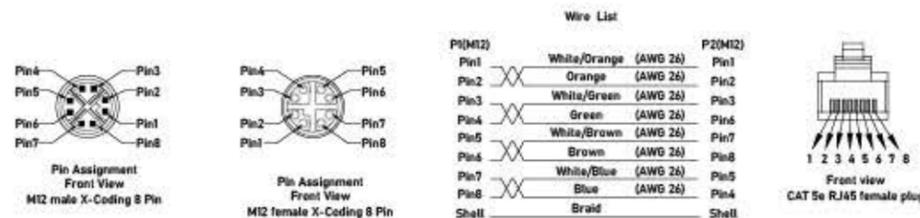
### Connector Technical data

Contacts No.	M12 Male	M12 Female	Cable Color	RJ45 Female
Front View				
Reference Standard	IEC 61076-2-100			
Rated current	0.5A			
Rated voltage	50V AC, 50V DC			
Impulse voltage	500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering, RJ45: Plating			
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable			
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	PA66 + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass			
Contact plating	Au (15µ"Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67(M12)			
Pollution degree	3			

### Ordering No.

Poles	Cable length	M12 X Male - RJ45 Female		M12 X Female - RJ45 Female	
		PVC (Green Cable)	PUR (Lake blue Cable)	PVC (Green Cable)	PUR (Lake blue Cable)
8 Pin	0.3 m	EPIC RJ6AC2-MC08C1LSXB26C003	EPIC RJ6AC2-MC08C1LSXB26RLB03	EPIC RJ6AC2-MC08C2LSXB26C003	EPIC RJ6AC2-MC08C2LSXB26RLB03
		7433503468	7433503474	7433503480	7433503486
	0.6 m	EPIC RJ6AC2-MC08C1LSXB26C006	EPIC RJ6AC2-MC08C1LSXB26RLB06	EPIC RJ6AC2-MC08C2LSXB26C006	EPIC RJ6AC2-MC08C2LSXB26RLB06
		7433503469	7433503475	7433503481	7433503487
	1.0 m	EPIC RJ6AC2-MC08C1LSXB26C010	EPIC RJ6AC2-MC08C1LSXB26RLB10	EPIC RJ6AC2-MC08C2LSXB26C010	EPIC RJ6AC2-MC08C2LSXB26RLB10
		7433503470	7433503476	7433503482	7433503488
	1.5 m	EPIC RJ6AC2-MC08C1LSXB26C015	EPIC RJ6AC2-MC08C1LSXB26RLB15	EPIC RJ6AC2-MC08C2LSXB26C015	EPIC RJ6AC2-MC08C2LSXB26RLB15
7433503471		7433503477	7433503483	7433503489	
2.0 m	EPIC RJ6AC2-MC08C1LSXB26C020	EPIC RJ6AC2-MC08C1LSXB26RLB20	EPIC RJ6AC2-MC08C2LSXB26C020	EPIC RJ6AC2-MC08C2LSXB26RLB20	
	7433503472	7433503478	7433503484	7433503490	
3.0 m	EPIC RJ6AC2-MC08C1LSXB26C030	EPIC RJ6AC2-MC08C1LSXB26RLB30	EPIC RJ6AC2-MC08C2LSXB26C030	EPIC RJ6AC2-MC08C2LSXB26RLB30	
	7433503473	7433503479	7433503485	7433503491	

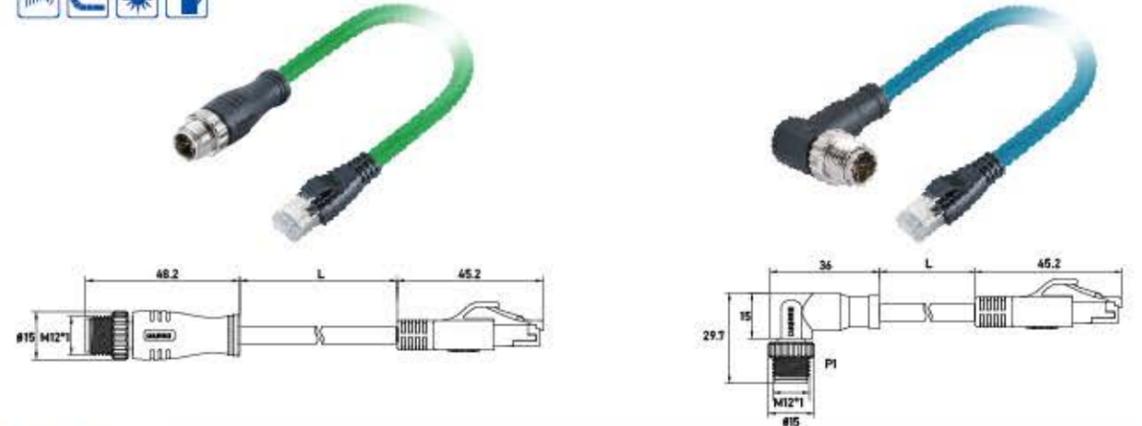
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



M12 X-Code, male to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



### Connector Technical data

Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference Standard	IEC 61076-2-100		
Rated current	0.5A		
Rated voltage	50V AC, 50V DC		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw		
Termination	M12: Soldering, RJ45: Plating		
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass		
Contact plating	Au (15µ"Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67(M12)		
Drag chain bending	2 Million times		
Pollution degree	3		

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PUR (Green Cable)	PUR (Lake blue Cable)	PUR (Green Cable)	PUR (Lake blue Cable)
8 Pin	0.3 m	EPIC RJ6AC1-MC08C1LSXB26R003-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL03-PFN2	EPIC RJ6AC1-MC08C1LSXB26R003-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL03-PFN2
		7433503492	7433503498	7433503504	7433503510
	0.6 m	EPIC RJ6AC1-MC08C1LSXB26R006-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL06-PFN2	EPIC RJ6AC1-MC08C1LSXB26R006-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL06-PFN2
		7433503493	7433503499	7433503505	7433503511
	1.0 m	EPIC RJ6AC1-MC08C1LSXB26R010-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL10-PFN2	EPIC RJ6AC1-MC08C1LSXB26R010-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL10-PFN2
		7433503494	7433503500	7433503506	7433503512
	1.5 m	EPIC RJ6AC1-MC08C1LSXB26R015-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL15-PFN2	EPIC RJ6AC1-MC08C1LSXB26R015-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL15-PFN2
7433503495		7433503501	7433503507	7433503513	
2.0 m	EPIC RJ6AC1-MC08C1LSXB26R020-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL20-PFN2	EPIC RJ6AC1-MC08C1LSXB26R020-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL20-PFN2	
	7433503496	7433503502	7433503508	7433503514	
3.0 m	EPIC RJ6AC1-MC08C1LSXB26R030-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL30-PFN2	EPIC RJ6AC1-MC08C1LSXB26R030-PFN2	EPIC RJ6AC1-MC08C1LSXB26RL30-PFN2	
	7433503497	7433503503	7433503509	7433503515	

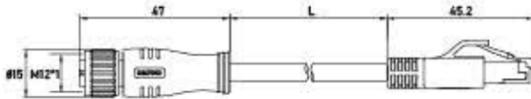
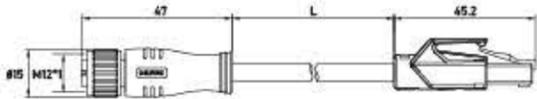
### Wiring Diagram



# M12 X-Code Profinet/ Ethernet Cables

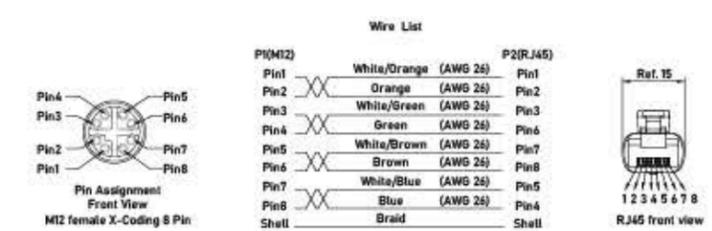


M12 X-Code, female to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



Connector Technical data					
Contacts No.	M12 Female	Cable Color	RJ45 Male		
Front View					
Reference Standard	IEC 61076-2-109				
Rated current	0.5A				
Rated voltage	50V AC, 60V DC				
Impulse voltage	800V				
Locking system	M12 x 1.0 screw				
Termination	M12 Crimping, RJ45 Plating				
Cable specification	Cat 6A SFTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable				
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C				
Insulation resistance	≥10MΩ				
Contact resistance	≤5mΩ				
Characteristic impedance	150 Ω±5				
Over-molding	TPU				
Contact carrier	PA66+GF				
Screw nut	Buss, CNC, nickel-plated				
Contact	Buss / Phosphor bronze				
Contact plating	Au (15μ" Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67(M12)				
Drag chain bending	3 Milliohm lines				
Pollution degree	3				
Ordering No.					
Poles	Cable length	M12 X - RJ45 Assembly Type			
		FUR (Green Cable)	PUR (Blue Male Cable)	PUR (Green Cable)	PUR (Blue Male Cable)
8 Pin	0.3 m	EPIC RJ5EA1-MC08C2L5XS28RG03-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB03-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG03-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB03-PPNF2
		743300316	743300322	743300328	743300334
	0.6 m	EPIC RJ5EA1-MC08C2L5XS28RG06-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB06-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG06-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB06-PPNF2
		743300317	743300323	743300329	743300335
	1.0 m	EPIC RJ5EA1-MC08C2L5XS28RG10-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB10-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG10-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB10-PPNF2
		743300318	743300324	743300330	743300336
	1.5 m	EPIC RJ5EA1-MC08C2L5XS28RG15-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB15-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG15-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB15-PPNF2
		743300319	743300325	743300331	743300337
	2.0 m	EPIC RJ5EA1-MC08C2L5XS28RG20-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB20-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG20-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB20-PPNF2
		743300320	743300326	743300332	743300338
	3.0 m	EPIC RJ5EA1-MC08C2L5XS28RG30-PPNF2	EPIC RJ5EA1-MC08C2L5XS28RLB30-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RG30-PPNF2	EPIC RJ5AC1-MC08C2L5XS28RLB30-PPNF2
		743300321	743300327	743300333	743300339

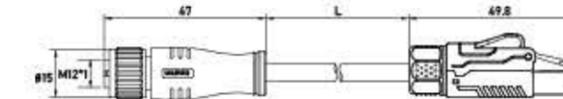
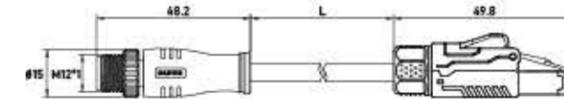
Wiring Diagram



# M12 X-Code Profinet/ Ethernet Cables

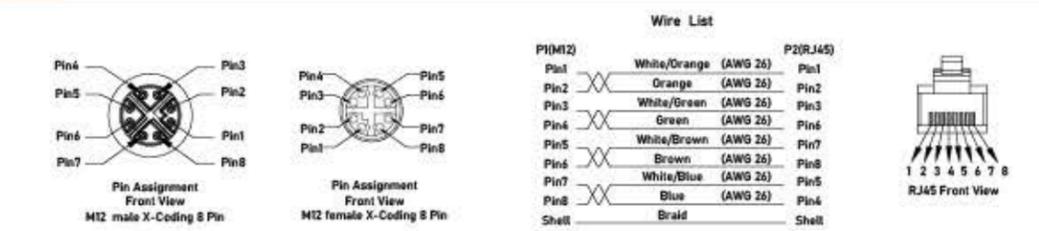


M12 X-Code, to RJ45 male, double ended, molded 10Gbps Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



Connector Technical data					
Contacts No.	M12 Male	M12 Female	Cable Color	RJ45 Male	
Front View					
Reference standard	IEC 61076-2-109				
Rated current	0.5A				
Rated voltage	50V AC, 60V DC				
Impulse voltage	800V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended 0.4 Nm, Max. 0.8Nm				
Termination	Crimping				
Wire gauge	0.25mm <sup>2</sup> - 0.14mm <sup>2</sup> (24-26AWG)				
Rated temperature	Flexible: -25 - 80°C, Static: -40 - 80°C				
Insulation resistance	≥ 100MΩ				
Contact resistance	≤ 5mΩ				
Over-molding	TPU				
Contact carrier	PA66+GF				
Screw nut	Buss, CNC, nickel-plated				
Contact	Buss, Phosphor bronze				
Contact plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67(M12)				
Pollution degree	3				
EMC Shielding	Shielded				
Ordering No.					
Poles	Cable length	M12 Male to RJ45 Male		M12 Female to RJ45 Male	
		PVC (Cat6)	FUR (Cable)	PVC (Cable)	FUR (Cable)
8 Pin	1.5 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG15	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG15	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG15	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG15
		743300340	743300348	743300356	743300364
	2.0 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG20	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG20	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG20	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG20
		743300341	743300349	743300357	743300365
	2.5 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG25	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG25	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG25	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG25
		743300342	743300350	743300358	743300366
	3.0 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG30	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG30	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG30	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG30
		743300343	743300351	743300359	743300367
	3.5 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG35	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG35	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG35	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG35
		743300344	743300352	743300360	743300368
	4.0 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG40	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG40	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG40	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG40
		743300345	743300353	743300361	743300369
4.5 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG45	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG45	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG45	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG45	
	743300346	743300354	743300362	743300370	
5.0 m	EPIC RJ5AA1LIS2-MC08C1L5XS28-28CG50	EPIC RJ5AA1LIS2-MC08C1L5XS28-28RG50	EPIC RJ5AA1LIS2-MC08C2L5XS28-28CG50	EPIC RJ5AA1LIS2-MC08C2L5XS28-28RG50	
	743300347	743300355	743300363	743300371	

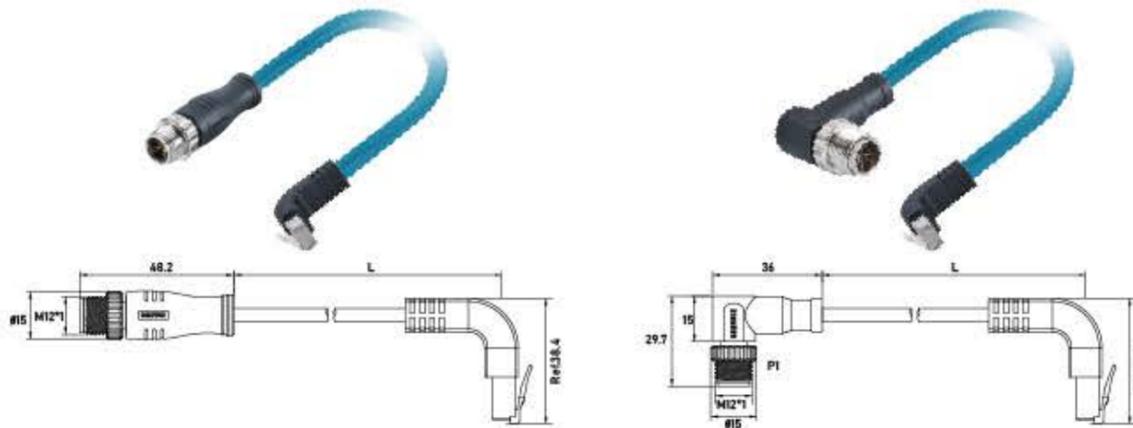
Wiring Diagram



## M12-RJ45 Cable



M12 8Pin X-code male to RJ45 right angled male, modeled with cable



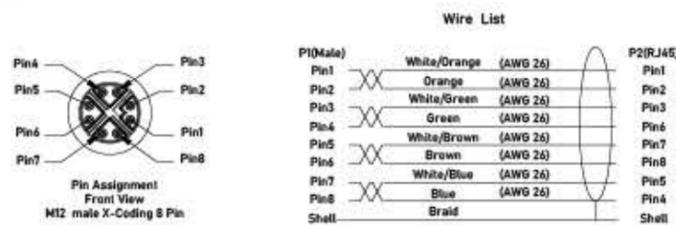
### Connector Technical data

Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			
Reference standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V AC, 60V DC		
Impulse voltage	800V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm , Max: 0.8Nm		
Termination	M12:Soldering RJ45:Piercing		
Wire gauge	0.25mm² ~0.14mm² (24~26AWG)		
Rated temperature	Flexible: -25 ~ 80°C; Static : -40 ~ 80°C		
Insulation resistance	≥ 100MΩ		
Contact resistance	≤ 5mΩ		
Over-molding	TPU		
Contacts carrier	PASS-GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Brass		
Contacts plating	Au (Gold)		
O-Ring	N / A		
Protection degree	IP67(M12)		
Pollution degree	3		
EMC Shielding	Shielded		

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	1.5 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB15 7433503572	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB15 7433503580	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB15 7433503588	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB15 7433503596
	2.0 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB20 7433503573	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB20 7433503581	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB20 7433503589	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB20 7433503597
	2.5 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB25 7433503574	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB25 7433503582	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB25 7433503590	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB25 7433503598
	3.0 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB30 7433503575	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB30 7433503583	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB30 7433503591	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB30 7433503599
	3.5 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB35 7433503576	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB35 7433503584	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB35 7433503592	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB35 7433503600
	4.0 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB40 7433503577	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB40 7433503585	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB40 7433503593	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB40 7433503601
4.5 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB45 7433503578	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB45 7433503586	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB45 7433503594	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB45 7433503602	
5.0 m	EPIC RJ8AC 1R8B-MC08C1LCX8B-28CLB50 7433503579	EPIC RJ8AC1R8B-MC08C1LCX8B-28RLB50 7433503587	EPIC RJ8AC1R8B-MC08C1RCX8B-28CLB50 7433503595	EPIC RJ8AC1R8B-MC08C1RCX8B-28RLB50 7433503603	

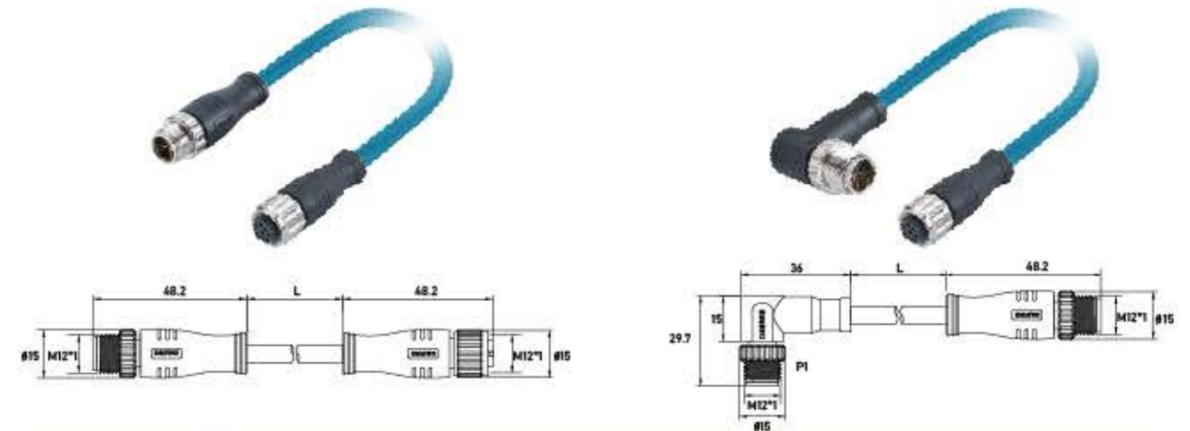
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



M12 X-Code male to M12 A-Code female, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



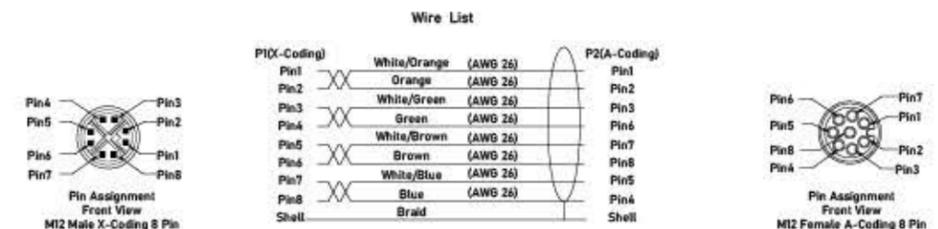
### Connector Technical data

Contacts No.	M12 X-Code 8Pin male	M12 A-Code 8Pin female
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Soldering	
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm²) Ethernet Cable	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PASS + GF, TPU+GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass, Phosphor bronze	
Contacts plating	Au (15µ" Gold)	
O-ring	FKM Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	1 m	EPIC MC08C1L5X-MC08C3LSA5B28CG10-PFN 7433500804	EPIC MC08C1L5X-MC08C3LSA5B28RG10-PFN 7433500810	EPIC MC08C1R5X-MC08C3LSA5B28CG10-PFN 7433500816	EPIC MC08C1R5X-MC08C3LSA5B28RG10-PFN 7433500822
	2 m	EPIC MC08C1L5X-MC08C3LSA5B28CG20-PFN 7433500805	EPIC MC08C1L5X-MC08C3LSA5B28RG20-PFN 7433500811	EPIC MC08C1R5X-MC08C3LSA5B28CG20-PFN 7433500817	EPIC MC08C1R5X-MC08C3LSA5B28RG20-PFN 7433500823
	3 m	EPIC MC08C1L5X-MC08C3LSA5B28CG30-PFN 7433500806	EPIC MC08C1L5X-MC08C3LSA5B28RG30-PFN 7433500812	EPIC MC08C1R5X-MC08C3LSA5B28CG30-PFN 7433500818	EPIC MC08C1R5X-MC08C3LSA5B28RG30-PFN 7433500824
	5 m	EPIC MC08C1L5X-MC08C3LSA5B28CG50-PFN 7433500807	EPIC MC08C1L5X-MC08C3LSA5B28RG50-PFN 7433500813	EPIC MC08C1R5X-MC08C3LSA5B28CG50-PFN 7433500819	EPIC MC08C1R5X-MC08C3LSA5B28RG50-PFN 7433500825
	10 m	EPIC MC08C1L5X-MC08C3LSA5B28CG100-PFN 7433500808	EPIC MC08C1L5X-MC08C3LSA5B28RG100-PFN 7433500814	EPIC MC08C1R5X-MC08C3LSA5B28CG100-PFN 7433500820	EPIC MC08C1R5X-MC08C3LSA5B28RG100-PFN 7433500826
	15 m	EPIC MC08C1L5X-MC08C3LSA5B28CG150-PFN 7433500809	EPIC MC08C1L5X-MC08C3LSA5B28RG150-PFN 7433500815	EPIC MC08C1R5X-MC08C3LSA5B28CG150-PFN 7433500821	EPIC MC08C1R5X-MC08C3LSA5B28RG150-PFN 7433500827

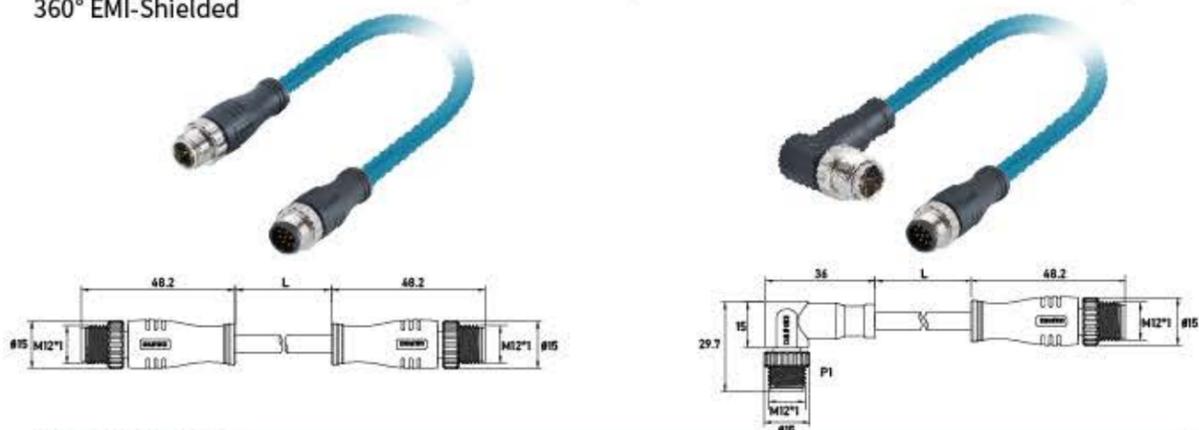
### Wiring Diagram



## M12 X-Code Profinet/ Ethernet Cables



M12 X-Code male to M12 A-Code male, double ended, molded Cat 6A 4x2x26AWG Ethernet cable, 360° EMI-Shielded



### Connector Technical data

Contacts No.	M12 X-Code 8Pin male	M12 A-Code 8Pin male
Front View		
Reference Standard	IEC 61076-2-109	
Rated current	0.5A	
Rated voltage	50V AC, 60V DC	
Impulse voltage	900V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend 0.4Nm, Max 0.8Nm	
Termination	Soldering	
Cable specification	Cat 6A S/FTP 4x2x26AWG (0.14mm <sup>2</sup> ) Ethernet Cable	
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF, TPU+GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass	
Contacts plating	Au (15μ" Gold)	
O-ring	N/A	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1LSX-MC08C1LSAB26CG10-PPN 743350928	EPIC MC08C1LSX-MC08C1LSAB26RG10-PPN 743350934	EPIC MC08C1RSX-MC08C1LSAB26CG10-PPN 743350940	EPIC MC08C1RSX-MC08C1LSAB26RG10-PPN 743350946
	2 m	EPIC MC08C1LSX-MC08C1LSAB26CG20-PPN 743350929	EPIC MC08C1LSX-MC08C1LSAB26RG20-PPN 743350935	EPIC MC08C1RSX-MC08C1LSAB26CG20-PPN 743350941	EPIC MC08C1RSX-MC08C1LSAB26RG20-PPN 743350947
	3 m	EPIC MC08C1LSX-MC08C1LSAB26CG30-PPN 743350930	EPIC MC08C1LSX-MC08C1LSAB26RG30-PPN 743350936	EPIC MC08C1RSX-MC08C1LSAB26CG30-PPN 743350942	EPIC MC08C1RSX-MC08C1LSAB26RG30-PPN 743350948
	5 m	EPIC MC08C1LSX-MC08C1LSAB26CG50-PPN 743350931	EPIC MC08C1LSX-MC08C1LSAB26RG50-PPN 743350937	EPIC MC08C1RSX-MC08C1LSAB26CG50-PPN 743350943	EPIC MC08C1RSX-MC08C1LSAB26RG50-PPN 743350949
	10 m	EPIC MC08C1LSX-MC08C1LSAB26CG100-PPN 743350932	EPIC MC08C1LSX-MC08C1LSAB26RG100-PPN 743350938	EPIC MC08C1RSX-MC08C1LSAB26CG100-PPN 743350944	EPIC MC08C1RSX-MC08C1LSAB26RG100-PPN 743350950
	15 m	EPIC MC08C1LSX-MC08C1LSAB26CG150-PPN 743350933	EPIC MC08C1LSX-MC08C1LSAB26RG150-PPN 743350939	EPIC MC08C1RSX-MC08C1LSAB26CG150-PPN 743350945	EPIC MC08C1RSX-MC08C1LSAB26RG150-PPN 743350951

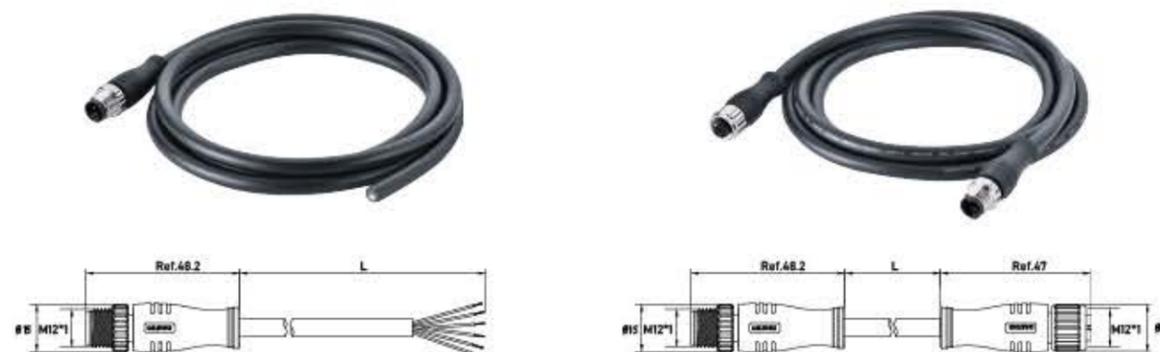
### Wiring Diagram



## M12 L-Code 16A Power Cable



M12 L-Code 4+PE 16A Power Cables, Molded 5x14AWG Cable



### Connector Technical data

Contacts No.	4+PE (5Pin) male	4+PE (5Pin) female
Front View		
Reference standard	IEC 61076-2-111	
Rated current	16A	
Rated voltage	63V	
Impulse voltage	1500V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm	
Termination	Crimping	
Wire gauge	2.5mm <sup>2</sup> (14AWG)	
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Female: Phosphor bronze, PE Pin: Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	
EMC Shielding	Non-Shielded	

### Ordering No.

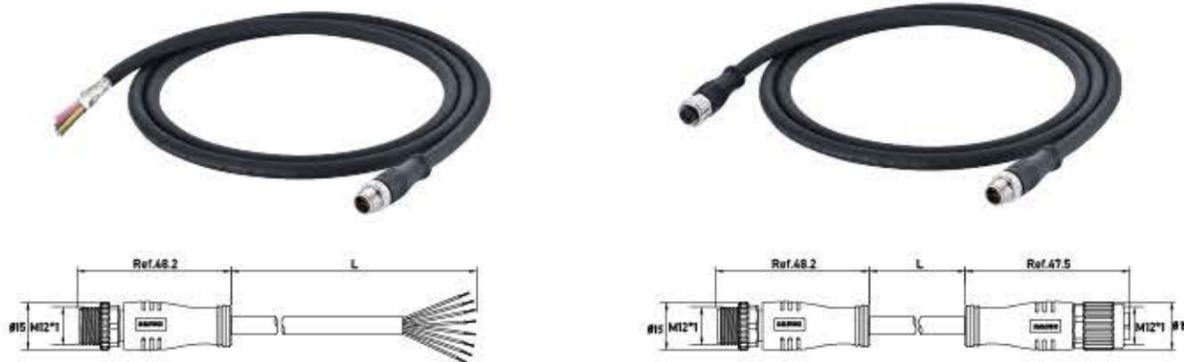
Poles	Cable length	Single ended Cable		Double Ended Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4+PE (5Pin)	1 m	EPIC MC4EC1LCLB-14CK10 7433503652	EPIC MC4EC1LCLB-14RK10 7433503657	EPIC MC4EC3LCLB-14CK10 7433503662	EPIC MC4EC3LCLB-14RK10 7433503667
	2 m	EPIC MC4EC1LCLB-14CK20 7433503653	EPIC MC4EC1LCLB-14RK20 7433503658	EPIC MC4EC3LCLB-14CK20 7433503663	EPIC MC4EC3LCLB-14RK20 7433503668
	3 m	EPIC MC4EC1LCLB-14CK30 7433503654	EPIC MC4EC1LCLB-14RK30 7433503659	EPIC MC4EC3LCLB-14CK30 7433503664	EPIC MC4EC3LCLB-14RK30 7433503669
	5 m	EPIC MC4EC1LCLB-14CK50 7433503655	EPIC MC4EC1LCLB-14RK50 7433503660	EPIC MC4EC3LCLB-14CK50 7433503665	EPIC MC4EC3LCLB-14RK50 7433503670
	10 m	EPIC MC4EC1LCLB-14CK100 7433503656	EPIC MC4EC1LCLB-14RK100 7433503661	EPIC MC4EC3LCLB-14CK100 7433503666	EPIC MC4EC3LCLB-14RK100 7433503671



# M12 Y-Code 16A Power Cable



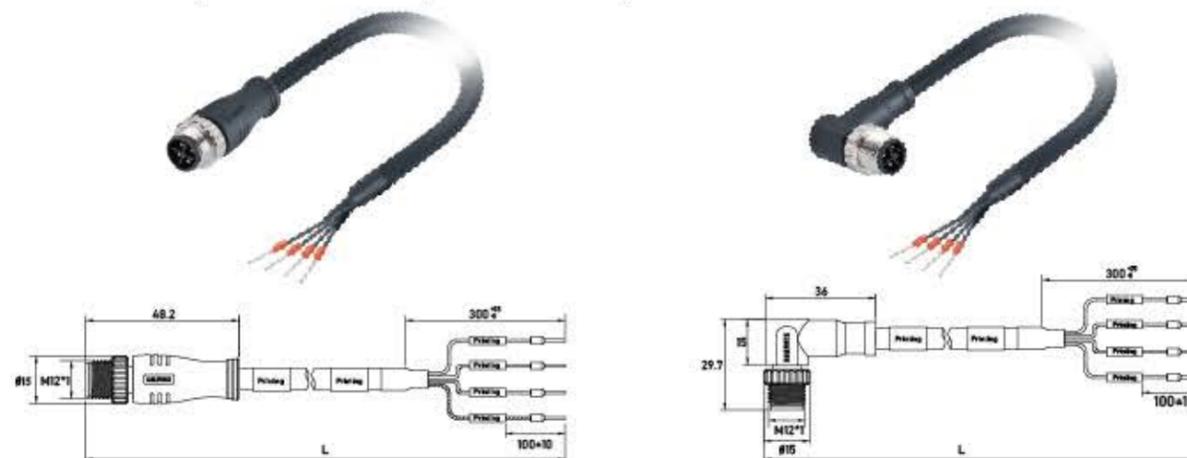
M12 Y-Code 4Pin+4Pin Signal & Power Hybrid Cables, Molded 4x20AWG + 2Px26AWG Cable



# M12 S-Code Power Cable



M12 S-Code, male connector, molded cable, end with terminals



Connector Technical data		Y4 (4+4Pin) male	Y4 (4+4Pin) female
Contacts No.		Y4 (4+4Pin) male	Y4 (4+4Pin) female
Front View			
Reference standard	IEC 61076-2-113		
Rated current	Power: 6A Signal : 0.5A		
Rated voltage	50V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm		
Termination	Crimping		
Wire gauge	0.14mm² (26AWG)+0.5mm² (20AWG)		
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Over-molding	TPU		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Brass, Phosphor bronze		
Contacts plating	Au (Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Shielded		

Ordering No.					
Poles	Cable length	Single ended Cable		Double Ended Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
Y4 (4+4Pin)	1 m	EPIC MCH4.4C1LSRSB-20CK10	EPIC MCH4.4C1LSRSB-20RK10	EPIC MCH4.4C3LSRSB-20CK10	EPIC MCH4.4C3LSRSB-20RK10
		7433503672	7433503677	7433503682	7433503687
	2 m	EPIC MCH4.4C1LSRSB-20CK20	EPIC MCH4.4C1LSRSB-20RK20	EPIC MCH4.4C3LSRSB-20CK20	EPIC MCH4.4C3LSRSB-20RK20
		7433503673	7433503678	7433503683	7433503688
	3 m	EPIC MCH4.4C1LSRSB-20CK30	EPIC MCH4.4C1LSRSB-20RK30	EPIC MCH4.4C3LSRSB-20CK30	EPIC MCH4.4C3LSRSB-20RK30
		7433503674	7433503679	7433503684	7433503689
	5 m	EPIC MCH4.4C1LSRSB-20CK50	EPIC MCH4.4C1LSRSB-20RK50	EPIC MCH4.4C3LSRSB-20CK50	EPIC MCH4.4C3LSRSB-20RK50
		7433503675	7433503680	7433503685	7433503690
	10 m	EPIC MCH4.4C1LSRSB-20CK100	EPIC MCH4.4C1LSRSB-20RK100	EPIC MCH4.4C3LSRSB-20CK100	EPIC MCH4.4C3LSRSB-20RK100
		7433503676	7433503681	7433503686	7433503691

Connector Technical data		3+PE (3 Pin)	3+PE (4 Pin)
Contacts No.		3+PE (3 Pin)	3+PE (4 Pin)
Front View			
Reference Standard	IEC 61076-2-111		
Rated current	15A		
Rated voltage	630V AC		
Impulse voltage	800V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommended: 0.4Nm, Max 0.8Nm		
Termination	Crimping		
Cable specification	1.5mm² (KMG 16)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C		
Insulation resistance	>100MΩ		
Contact resistance	≤5mΩ		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	N/A		
Protection degree	IP67		
Pollution degree	3		

Poles	Cable length	180° Straight				90° Right Angle			
		Un-Shielded		EMI-Shielded		Un-Shielded		EMI-Shielded	
		PVC (Cable)	PUR (Cable)						
3+PE (3 Pin)	1 m	EPIC M03C1LSB18CK15-T 7433503680	EPIC M03C1LSB18RK15-T 7433503684	EPIC M03C1LSB18CK15-T 7433503708	EPIC M03C1LSB18RK15-T 7433503712	EPIC M03C1RCB18CK15-T 7433503724	EPIC M03C1RCB18RK15-T 7433503728	EPIC M03C1RCB18CK15-T 7433503743	EPIC M03C1RCB18RK15-T 7433503744
	2 m	EPIC M03C1LSB18CK20-T 7433503683	EPIC M03C1LSB18RK20-T 7433503687	EPIC M03C1LSB18CK20-T 7433503711	EPIC M03C1LSB18RK20-T 7433503715	EPIC M03C1RCB18CK20-T 7433503727	EPIC M03C1RCB18RK20-T 7433503731	EPIC M03C1RCB18CK20-T 7433503746	EPIC M03C1RCB18RK20-T 7433503747
	3 m	EPIC M03C1LSB18CK30-T 7433503684	EPIC M03C1LSB18RK30-T 7433503688	EPIC M03C1LSB18CK30-T 7433503716	EPIC M03C1LSB18RK30-T 7433503720	EPIC M03C1RCB18CK30-T 7433503732	EPIC M03C1RCB18RK30-T 7433503736	EPIC M03C1RCB18CK30-T 7433503749	EPIC M03C1RCB18RK30-T 7433503750
	5 m	EPIC M03C1LSB18CK50-T 7433503686	EPIC M03C1LSB18RK50-T 7433503690	EPIC M03C1LSB18CK50-T 7433503721	EPIC M03C1LSB18RK50-T 7433503725	EPIC M03C1RCB18CK50-T 7433503737	EPIC M03C1RCB18RK50-T 7433503741	EPIC M03C1RCB18CK50-T 7433503754	EPIC M03C1RCB18RK50-T 7433503755
	1 m	EPIC M04C1LSB18CK15-T 7433503700	EPIC M04C1LSB18RK15-T 7433503704	EPIC M04C1LSB18CK15-T 7433503728	EPIC M04C1LSB18RK15-T 7433503732	EPIC M04C1RCB18CK15-T 7433503744	EPIC M04C1RCB18RK15-T 7433503748	EPIC M04C1RCB18CK15-T 7433503763	EPIC M04C1RCB18RK15-T 7433503764
	2 m	EPIC M04C1LSB18CK20-T 7433503701	EPIC M04C1LSB18RK20-T 7433503705	EPIC M04C1LSB18CK20-T 7433503729	EPIC M04C1LSB18RK20-T 7433503733	EPIC M04C1RCB18CK20-T 7433503745	EPIC M04C1RCB18RK20-T 7433503749	EPIC M04C1RCB18CK20-T 7433503765	EPIC M04C1RCB18RK20-T 7433503766
3 m	EPIC M04C1LSB18CK30-T 7433503702	EPIC M04C1LSB18RK30-T 7433503706	EPIC M04C1LSB18CK30-T 7433503730	EPIC M04C1LSB18RK30-T 7433503734	EPIC M04C1RCB18CK30-T 7433503746	EPIC M04C1RCB18RK30-T 7433503750	EPIC M04C1RCB18CK30-T 7433503767	EPIC M04C1RCB18RK30-T 7433503768	
5 m	EPIC M04C1LSB18CK50-T 7433503703	EPIC M04C1LSB18RK50-T 7433503707	EPIC M04C1LSB18CK50-T 7433503731	EPIC M04C1LSB18RK50-T 7433503735	EPIC M04C1RCB18CK50-T 7433503747	EPIC M04C1RCB18RK50-T 7433503751	EPIC M04C1RCB18CK50-T 7433503769	EPIC M04C1RCB18RK50-T 7433503770	

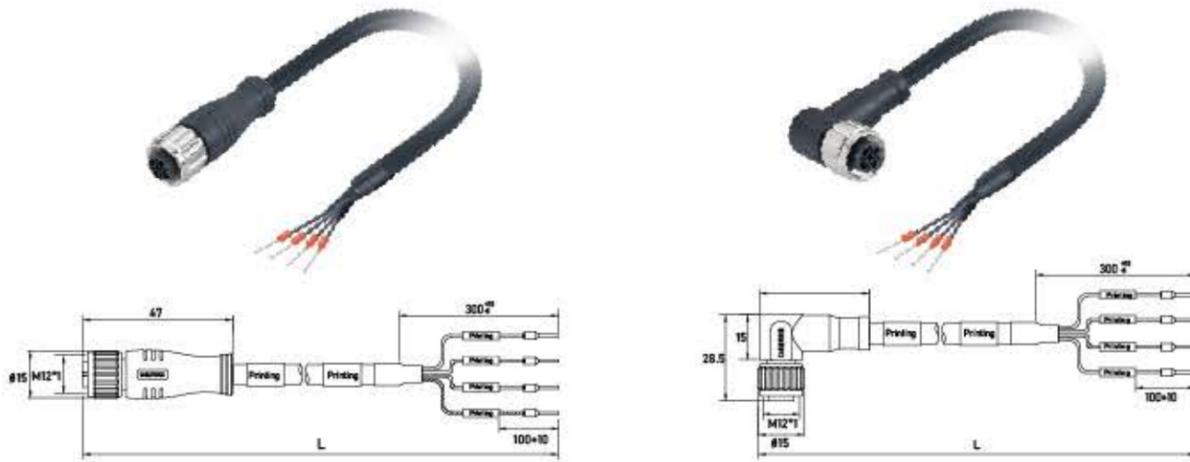
Wire List		Wire List		Wire List	
Pin1	Black 1 (16AWG/1.5mm²)	Pin1	Black 1 (16AWG/1.5mm²)	Pin1	Black 1 (16AWG/1.5mm²)
Pin3	Black 3 (16AWG/1.5mm²)	Pin2	Black 2 (16AWG/1.5mm²)	Pin2	Black 2 (16AWG/1.5mm²)
Pin4(PE)	Yellow/green	Pin3	Black 3 (16AWG/1.5mm²)	Pin3	Black 3 (16AWG/1.5mm²)
		Pin4(PE)	Yellow/green	Pin4(PE)	Yellow/green
				Shell	Braid shielding



# M12 S-Code Power Cable



M12 S-Code, female connector, molded cable, end with terminals



Connector Technical data		2+PE (3 Pin)	
Contacts No.			
Front View			
Reference Standard	IEC 61076-2-111		
Rated current	15A		
Rated voltage	630V AC		
Insulation voltage	500V		
Locking system	M12 x 1.0 screw		
Termination	Crimping		
Cable specification	1.5mm <sup>2</sup> (AWG 18)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Phosphor bronze		
Contacts plating	Au (50Å)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

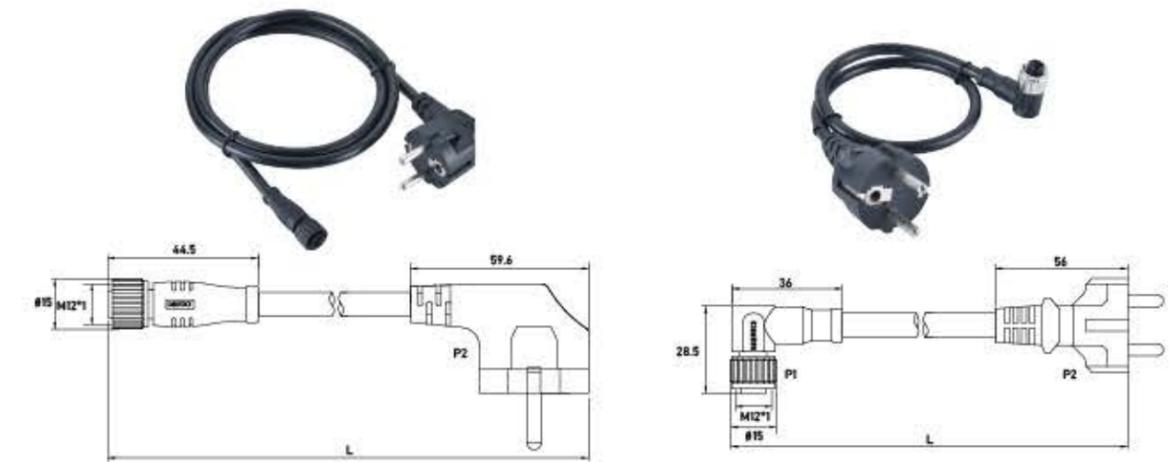
Ordering No.		180° Straight				90° Right Angled			
Poles	Cable length	Un-shielded		EM-shielded		Un-shielded		EM-shielded	
2+PE (3 Pin)	1 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C2LCP14CK10-CEE7/7R	EPIC MC03C2RCSB14CK10-CEE7/7L						
	2 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C2LCP14CK20-CEE7/7R	EPIC MC03C2RCSB14CK20-CEE7/7L						
	3 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C2LCP14CK30-CEE7/7R	EPIC MC03C2RCSB14CK30-CEE7/7L						
5 m	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	
	EPIC MC03C2LCP14CK50-CEE7/7R	EPIC MC03C2RCSB14CK50-CEE7/7L	EPIC MC03C2LCP14CK50-CEE7/7R	EPIC MC03C2RCSB14CK50-CEE7/7L	EPIC MC03C2LCP14CK50-CEE7/7R	EPIC MC03C2RCSB14CK50-CEE7/7L	EPIC MC03C2LCP14CK50-CEE7/7R	EPIC MC03C2RCSB14CK50-CEE7/7L	
3+PE (4 Pin)	1 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C3LCP14CK10-CEE7/7R	EPIC MC03C3RCSB14CK10-CEE7/7L						
	2 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C3LCP14CK20-CEE7/7R	EPIC MC03C3RCSB14CK20-CEE7/7L						
	3 m	PVC (Cable)	PUR (Cable)						
		EPIC MC03C3LCP14CK30-CEE7/7R	EPIC MC03C3RCSB14CK30-CEE7/7L						
5 m	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	
	EPIC MC03C3LCP14CK50-CEE7/7R	EPIC MC03C3RCSB14CK50-CEE7/7L	EPIC MC03C3LCP14CK50-CEE7/7R	EPIC MC03C3RCSB14CK50-CEE7/7L	EPIC MC03C3LCP14CK50-CEE7/7R	EPIC MC03C3RCSB14CK50-CEE7/7L	EPIC MC03C3LCP14CK50-CEE7/7R	EPIC MC03C3RCSB14CK50-CEE7/7L	

Wiring Diagram		Wire List	
	Pin1 Black 1 (16AWG/1.5mm <sup>2</sup> )	Pin1 Black 1 (16AWG/1.5mm <sup>2</sup> )	Pin1 Black 1 (16AWG/1.5mm <sup>2</sup> )
	Pin3 Black 3 (16AWG/1.5mm <sup>2</sup> )	Pin2 Black 2 (16AWG/1.5mm <sup>2</sup> )	Pin2 Black 2 (16AWG/1.5mm <sup>2</sup> )
	Pin4(PE) Yellow/green	Pin3 Black 3 (16AWG/1.5mm <sup>2</sup> )	Pin3 Black 3 (16AWG/1.5mm <sup>2</sup> )
		Pin4(PE) Yellow/green	Pin4(PE) Yellow/green
		Shell Braid shielding	Shell Braid shielding

# M12 S-Code Power Cable



M12 S-Code female to CEE 7/7 power plug, molded 14AWG cable



Connector Technical data		2+PE (3 Pin)	
Contacts No.			
Front View			
Reference Standard	IEC 61076-2-111		
Rated current	12A/ 16A		
Rated voltage	630V AC		
Insulation voltage	500V		
Locking system	M12 x 1.0 screw		
Termination	Crimping		
Cable specification	1.5mm <sup>2</sup> (AWG 14)		
Rated temperature	Flexible: -25 °C ... +80 °C, Static: -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Over-molding	TPU		
Contact carrier	PA66 + GF		
Screw nut	PA66+GF, Brass, CNC, nickel-plated		
Contact	Phosphor bronze		
Contacts plating	Au (50Å)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67(M12)		
Pollution degree	3		

Ordering No.		M12 S Female - CEE 7/7 90° Right Angled		M12 S Female - CEE 7/7 180° Straight	
Poles	Cable length	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1 m	EPIC MC03C2LCP14CK10-CEE7/7R	EPIC MC03C2RCSB14CK10-CEE7/7L	EPIC MC03C2RCSB14CK10-CEE7/7L	EPIC MC03C2RCSB14CK10-CEE7/7L
		7433503820	7433503824	7433503826	7433503832
	2 m	EPIC MC03C2LCP14CK20-CEE7/7R	EPIC MC03C2RCSB14CK20-CEE7/7L	EPIC MC03C2RCSB14CK20-CEE7/7L	EPIC MC03C2RCSB14CK20-CEE7/7L
		7433503821	7433503825	7433503829	7433503833
	3 m	EPIC MC03C2LCP14CK30-CEE7/7R	EPIC MC03C2RCSB14CK30-CEE7/7L	EPIC MC03C2RCSB14CK30-CEE7/7L	EPIC MC03C2RCSB14CK30-CEE7/7L
		7433503822	7433503826	7433503830	7433503834
	5 m	EPIC MC03C2LCP14CK50-CEE7/7R	EPIC MC03C2RCSB14CK50-CEE7/7L	EPIC MC03C2RCSB14CK50-CEE7/7L	EPIC MC03C2RCSB14CK50-CEE7/7L
		7433503823	7433503827	7433503831	7433503835

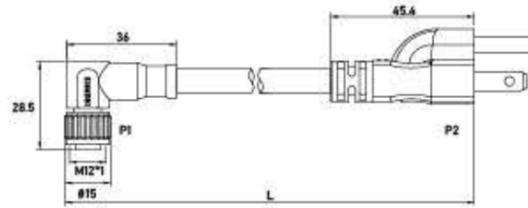
Wiring Diagram		Wire List	
	Pin1 Blue	Pin1 Blue	Pin1 Blue
	Pin3 Brown	Pin2 Brown	Pin2 Brown
	Pin4/PE Yellow/Green	Pin3 Yellow/Green	Pin3 Yellow/Green
		Pin4/PE Yellow/Green	Pin4/PE Yellow/Green
		Shell L	Shell L
		Shell N	Shell N
		Shell PE	Shell PE



## M12 S-Code Power Cable



M12 S-Code female to NEMA 5-15P USA power plug, molded 14AWG cable



### Connector Technical data

Contacts No.	2+PE (3 Pin)
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A/ 16A
Rated voltage	630V AC
Impulse voltage	5000V
Locking system	M12 x 1.0 screw
Termination	Crimping
Cable specification	1.5mm <sup>2</sup> (AWG 14)
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67(M12)
Pollution degree	3

### Ordering No.

Poles	Cable length	M12 S Female - NEMA 5-15P 180° Straight	
		PVC (Cable)	PUR (Cable)
2+PE (3 Pin)	1.0 m	EPIC MC03C2RCSB14CK10-NEMA5-15P 7433503836	EPIC MC03C2RCSB14RK10-NEMA5-15P 7433503840
		EPIC MC03C2RCSB14CK18-NEMA5-15P 7433503837	EPIC MC03C2RCSB14RK18-NEMA5-15P 7433503841
	EPIC MC03C2RCSB14CK35-NEMA5-15P 7433503838	EPIC MC03C2RCSB14RK35-NEMA5-15P 7433503842	
	EPIC MC03C2RCSB14CK60-NEMA5-15P 7433503839	EPIC MC03C2RCSB14RK60-NEMA5-15P 7433503843	
	6.0 m		

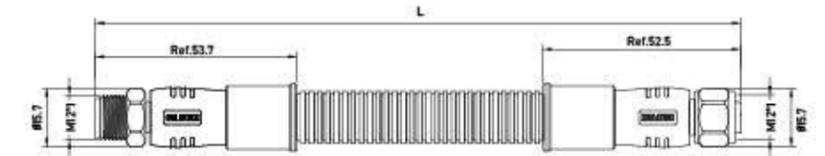
### Wiring Diagram



## M12 Armoured Connecting Cable



M12 S-code male to female, double ended, flexible conduit with steel amoured cable, 360° EMI-Shielded



### Connector Technical data

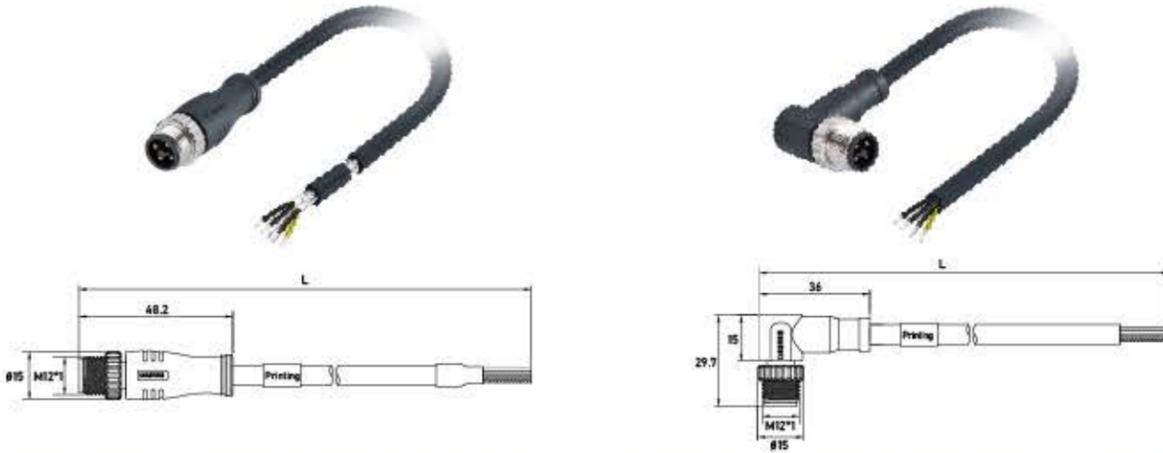
Contacts No.	3+PE (4 Pin)
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	630V AC
Impulse voltage	6300V
Locking system	M12*1.0 screw
Tightening torque	Recommend: 0.4Nm, Max: 0.8Nm
Rated temperature	Flexible: -25 ~ 80°C; Static : -40 ~ 80°C
Termination	Crimping
Cable specification	1.5mm (AWG 16)
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	PA66 + GF
Screw nut	SUS 316# Stainless Steel
Contacts	Brass , Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Un-Shielded

### Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
		EPIC MC04C3LCSS-16CK05-FC 7433503844	EPIC MC04C3LCSS-16RK05-FC 7433503849
3+PE (4 Pin)	0.5 m	EPIC MC04C3LCSS-16CK10-FC 7433503845	EPIC MC04C3LCSS-16RK10-FC 7433503850
	1.0 m	EPIC MC04C3LCSS-16CK15-FC 7433503846	EPIC MC04C3LCSS-16RK15-FC 7433503851
	1.5 m	EPIC MC04C3LCSS-16CK20-FC 7433503847	EPIC MC04C3LCSS-16RK20-FC 7433503852
	2.0 m	EPIC MC04C3LCSS-16CK30-FC 7433503848	EPIC MC04C3LCSS-16RK30-FC 7433503853
	3.0 m		

### Wiring Diagram

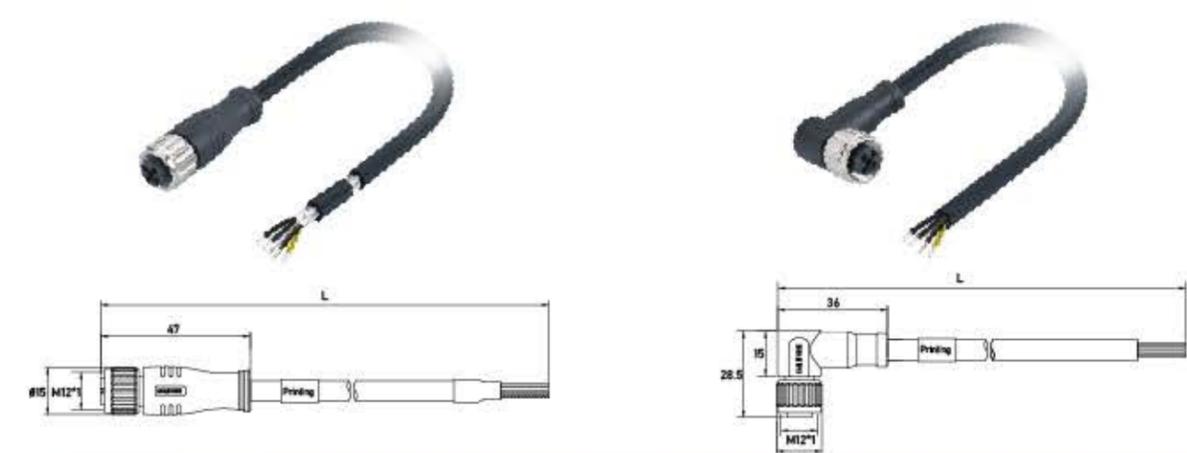
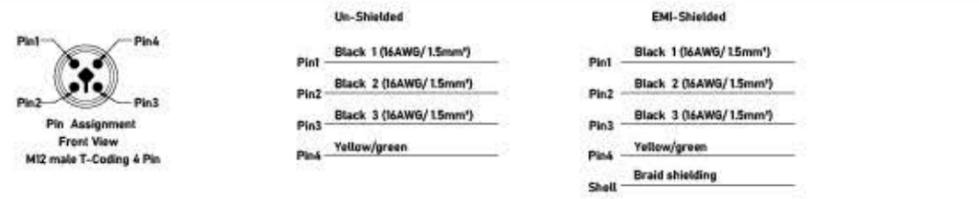




Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max: 0.8Nm
Termination	Crimping/
Cable specification	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.		180° Straight				90° Right Angled			
Pin	Cable length	Un-Shielded	EM-Shielded	Un-Shielded	EM-Shielded				
4 Pin	1m	EPIC M08AC1C1818K00 743300884	EPIC M08AC1C1818K03 743300882	EPIC M08AC1C1818K00 743300886	EPIC M08AC1C1818K03 743300887				
	2m	EPIC M08AC1C1818K00 743300885	EPIC M08AC1C1818K03 743300883	EPIC M08AC1C1818K00 743300889	EPIC M08AC1C1818K03 743300890				
	3m	EPIC M08AC1C1818K00 743300886	EPIC M08AC1C1818K03 743300884	EPIC M08AC1C1818K00 743300890	EPIC M08AC1C1818K03 743300891				
	5m	EPIC M08AC1C1818K00 743300887	EPIC M08AC1C1818K03 743300885	EPIC M08AC1C1818K00 743300891	EPIC M08AC1C1818K03 743300892				

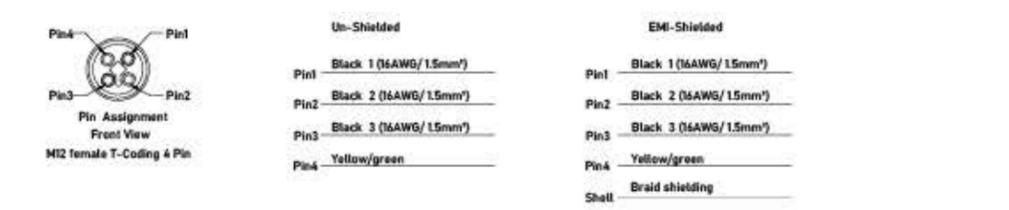
Wiring Diagram



Connector Technical data	
Contacts No.	T-Coding
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max: 0.8Nm
Termination	Crimping/
Cable specification	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.		180° Straight				90° Right Angled			
Pin	Cable length	Un-Shielded	EM-Shielded	Un-Shielded	EM-Shielded				
4 Pin	1m	EPIC M08AC1C1818K00 743300888	EPIC M08AC1C1818K03 743300886	EPIC M08AC1C1818K00 743300892	EPIC M08AC1C1818K03 743300893				
	2m	EPIC M08AC1C1818K00 743300889	EPIC M08AC1C1818K03 743300887	EPIC M08AC1C1818K00 743300893	EPIC M08AC1C1818K03 743300894				
	3m	EPIC M08AC1C1818K00 743300890	EPIC M08AC1C1818K03 743300888	EPIC M08AC1C1818K00 743300894	EPIC M08AC1C1818K03 743300895				
	5m	EPIC M08AC1C1818K00 743300891	EPIC M08AC1C1818K03 743300889	EPIC M08AC1C1818K00 743300895	EPIC M08AC1C1818K03 743300896				

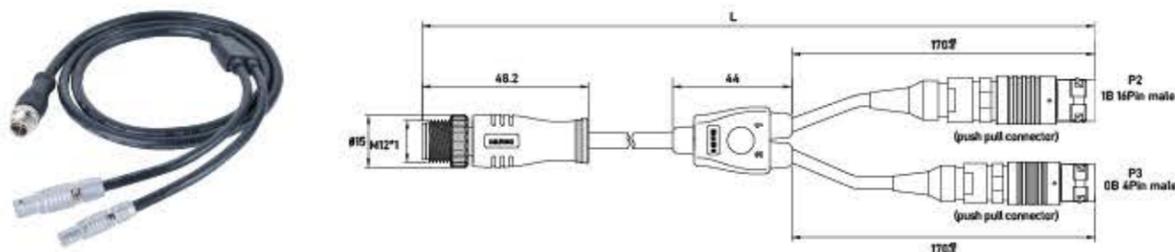
Wiring Diagram



## M12 Y-Splitter Cable



M12 X-Code male connector Y-Split to 1B 16Pin male and 0B 4Pin male push pull connector



### Connector Technical data

Contacts No.	M12 X-Code 8Pin Male	0B 4Pin male push pull	1B 16Pin male push pull
Front View			
	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw	Push pull	
Termination	Crimping	Soldering	
Cable specification	0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	-40 °C ... +70 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	PA66 + GF, PEEK		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon		
Protection degree	IP67(M12)		
Pollution degree	3		

### Ordering No.

Poles	Male Connector Y-Split
8 Pin	EPIC MC08C1LCXSB26RKxx-Y-Push Pull 7433503918

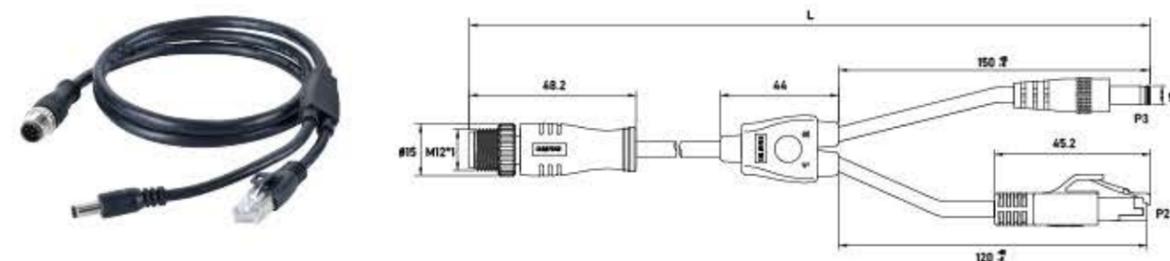
### Wiring Diagram



## M12 Y-Splitter Cable



M12 A-Code male connector molded Cat 5e cable Y-Split to 5.5x2.1 DC male plug and RJ45 8P8C male plug



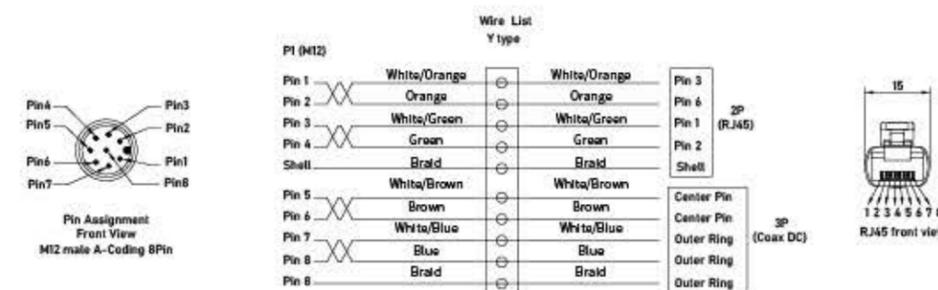
### Connector Technical data

Contacts No.	M12 A-Code 8Pin Male	RJ45 male	DC male plug
Front View			
Reference Standard	IEC 61076-2-109		
Rated current	0.5A		
Rated voltage	50V		
Impulse voltage	500V		
Locking system	M12 x 1.0 screw	Push pull	Snap-in
Termination	Crimping	Insulation Piercing Contact	Soldering
Cable specification	0.14mm <sup>2</sup> (AWG 28)		
Rated temperature	-40 °C ... +70 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Contact carrier	TPU+ GF		
Screw nut	Brass, CNC, Nickel-plated		
Contact	Brass		
Contacts plating	Au (Gold)		
O-ring	N / A		
Protection degree	IP67(M12)		
Pollution degree	3		

### Ordering No.

Poles	Male Connector Molded Cat 5e Cable Y-Split
8 Pin	EPIC MC08C1LSASB26RKxx-Y-DC-RJ45 7433503919

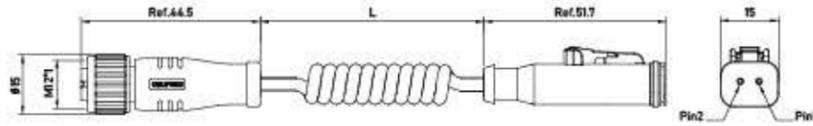
### Wiring Diagram



## M12 A-Code Connecting Cable



M12 A-Code, female to DT06-2S, molded cable, Un-shielded



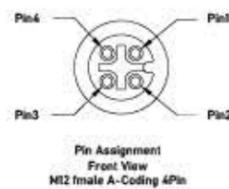
### Connector Technical data

Contacts No.	M12 A-code 4Pin Female
Front View	
Reference Standard	IEC 61076-2-101
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12*1.0 screw
Tightening torque	Recommend:0.4Nm, Max:0.8Nm
Rated temperature	Flexible: -25 ~ 80°C ; Static : -40 ~ 80°C
Termination	Soldering
Cable specification	0.75mm <sup>2</sup> (AWG 18)
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67(M12)
Pollution degree	3
EMC Shielding	Un-Shielded

### Ordering No.

Poles	Cable length	Cable Type	
		PVC (Cable)	PUR (Cable)
4 Pin	0.5 m	EPIC MC04C2LSAB-18CK05-DT06-2S 7433503920	EPIC MC04C2LSAB-18RK05-DT06-2S 7433503925
	1.0 m	EPIC MC04C2LSAB-18CK10-DT06-2S 7433503921	EPIC MC04C2LSAB-18RK10-DT06-2S 7433503926
	1.5 m	EPIC MC04C2LSAB-18CK15-DT06-2S 7433503922	EPIC MC04C2LSAB-18RK15-DT06-2S 7433503927
	2.0 m	EPIC MC04C2LSAB-18CK20-DT06-2S 7433503923	EPIC MC04C2LSAB-18RK20-DT06-2S 7433503928
	3.0 m	EPIC MC04C2LSAB-18CK30-DT06-2S 7433503924	EPIC MC04C2LSAB-18RK30-DT06-2S 7433503929

### Wiring Diagram

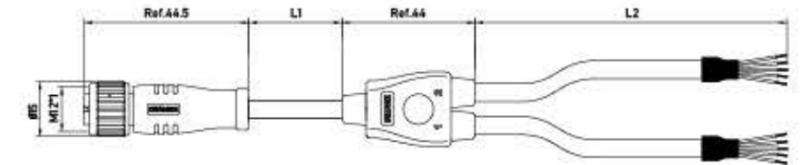


Wire List	
P1 (M12)	P2 (DT06-2S)
Pin1	Not connected
Pin2	Not connected
Pin3	Brown (0.75mm <sup>2</sup> )
Pin4	Blue (0.75mm <sup>2</sup> )

## M12 A-Code Connecting Cable



M12 A-Code, female Y-Split to 22AWG cable, Un-shielded



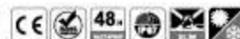
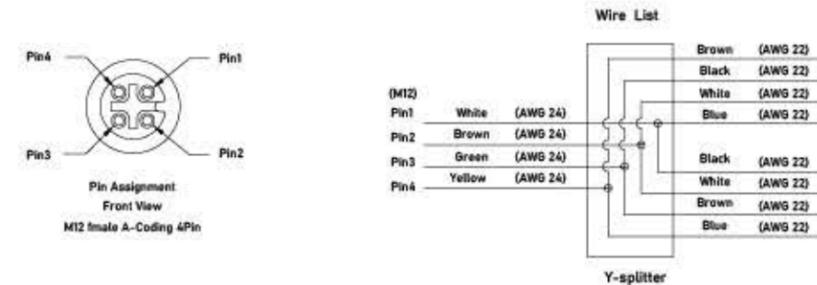
### Connector Technical data

Contacts No.	M12 A-code 4Pin Female
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12*1.0 screw
Tightening torque	Recommend: 0.4Nm, Max: 0.8Nm
Rated temperature	Flexible: -25 ~ 80°C ; Static : -40 ~ 80°C
Termination	Soldering
Cable specification	0.34mm <sup>2</sup> (AWG 22)
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Over-molding	TPU
Contacts carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Un-Shielded

### Ordering No.

L1 length	L2 length	female Y-Split
0.5 m	0.5 m	EPIC MC04C2LSAB22CK05-Y-22CK05 7433503930
		EPIC MC04C2LSAB22CK05-Y-22CK10 7433503931
0.5 m	1.0 m	EPIC MC04C2LSAB22CK05-Y-22CK20 7433503932
		EPIC MC04C2LSAB22CK10-Y-22CK05 7433503933
1.0 m	0.5 m	EPIC MC04C2LSAB22CK10-Y-22CK10 7433503934
		EPIC MC04C2LSAB22CK10-Y-22CK20 7433503935

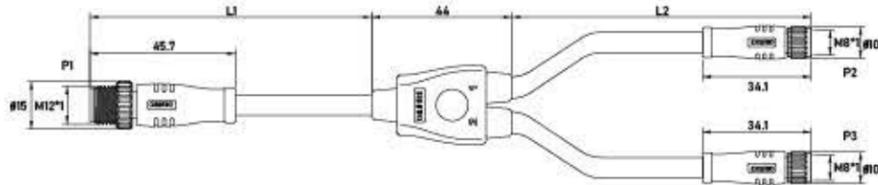
### Wiring Diagram



## M12 Splitter Cable



M12 A-Code male split to M8 female connector, molded cable



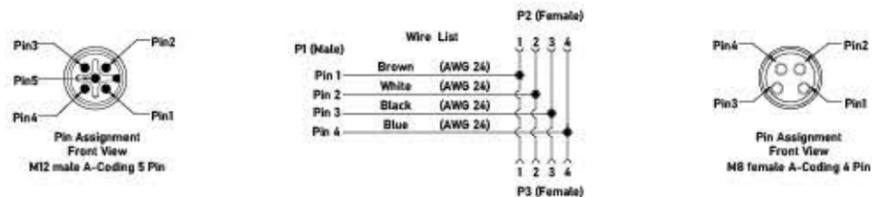
### Connector Technical data

Contacts No.	M12 5Pin Male	M8 4Pin Female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Termination	Soldering	
Cable specification	0.34mm <sup>2</sup> (AWG 22)	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Cable length	180° Straight	
		PVC (Cable)	PUR (Cable)
5 Pin	1 m	EPIC MC05C1-22CK03-Y22CK10-MB04C2 7433503936	EPIC MC05C1-22RK03-Y22RK10-MB04C2 7433503939
		EPIC MC05C1-22CK03-Y22CK20-MB04C2 7433503937	EPIC MC05C1-22RK03-Y22RK20-MB04C2 7433503940
	2 m	EPIC MC05C1-22CK03-Y22CK50-MB04C2 7433503938	EPIC MC05C1-22RK03-Y22RK50-MB04C2 7433503941
		5 m	

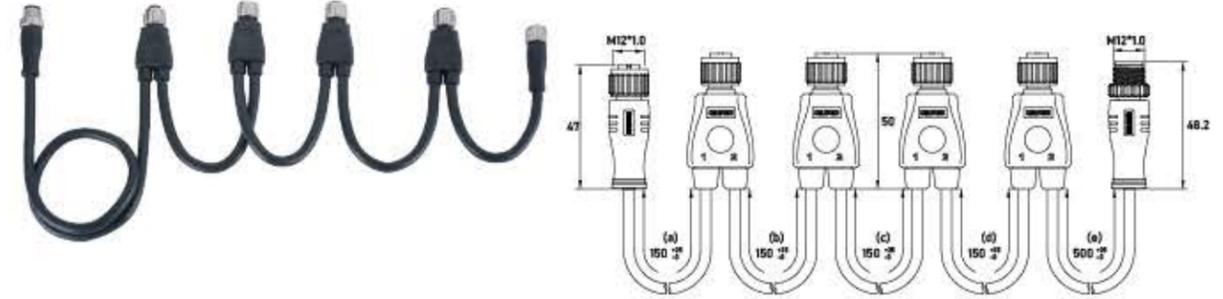
### Wiring Diagram



## M12 Splitter Cable



M12 Y-Splitter Cable, 1 x male split to 5 x female, CAN ( DeviceNet) EMI-Shielded Cable



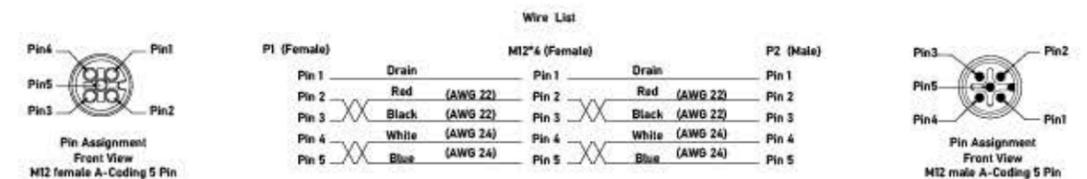
### Connector Technical data

Contacts No.	5Pin Male	5Pin Female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Termination	Soldering	
Cable specification	1Px22AWG + 1Px24AWG + Drain	
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass / Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

### Ordering No.

Poles	Cable length	PVC (Cable)		PUR (Cable)	
5 Pin	0.3 m	EPIC MC05Y-MFFFF-22CK03-DVN 7433503942	EPIC MC05Y-MFFFF-22CK05-DVN 7433503943	EPIC MC05Y-MFFFF-22RK03-DVN 7433503945	EPIC MC05Y-MFFFF-22RK05-DVN 7433503946
		EPIC MC05Y-MFFFF-22CK06-DVN 7433503944		EPIC MC05Y-MFFFF-22RK06-DVN 7433503947	
	0.5 m				
	0.8 m				

### Wiring Diagram



# M12 Circular panel connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



M12 series with wide product range of panel type connectors for sensor/actuator components offers comprehensive solutions for M12 devices connection. M12 panel mount connectors are available for the device connection for sensor/actuator boxes, field-bus modules and industrial controllers. These connectors can be mechanically integrated into the device design "seamlessly", and are also designed for economical PCB assembly with rear mount type and front mount type. Male to female through-wall type is available.

# M12

## Circular panel connectors

- Degree of protection IP 67
- 2+4P, 3P, 4P, 4+4P, 5P, 8P, 12P and 17 poles are available
- Operating voltage: 690V, 630V, 600V, 300V-DC, 250V-AC, 72V-DC, 60V-AC, 48V, 30V,
- Current rating: 16A, 12A, 8A, 4A, 2A, 1.5A
- Mounting type : rear mount (front side fastening the screw), front mount (rear side fastening the screw)
- SUS 316# Stainless steel screw is available

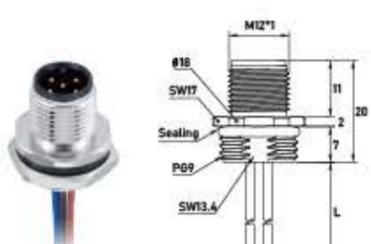


M12 A-Code male panel connector, front/ rear mount, with single wires

Front Fastened



Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M12	M20	1/2"-14NPT
A	15.3 <sup>±0.2</sup>	16.1 <sup>±0.2</sup>	20.1 <sup>±0.2</sup>	21.4 <sup>±0.2</sup>
B	PG9	M12x1.5	M20x1.5	1/2"-14NPT
C	13.5 <sup>±0.2</sup>	13.6 <sup>±0.2</sup>	N/A	N/A

Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin	
Reference Standard	IEC 61076-3-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		30V		15A		
Insulation voltage	250V		600V		600V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommended: 0.8Nm, Max: 1.0Nm						
Termination	Soldering						
Wire gauge	0.35mm² (AWG 32)		0.25mm² (AWG 34)		0.15mm² (AWG 36)		
Rated temperature	-25 °C ... +80 °C ... -40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact center	PA66 + GF						
Screw nut	Steel, CHC, Nickel plated						
Contact	Steel						
Contacts plating	Au (50µm)						
Crating	POM / SMC						
Protection degree	IP67						
Pullout degree	3						

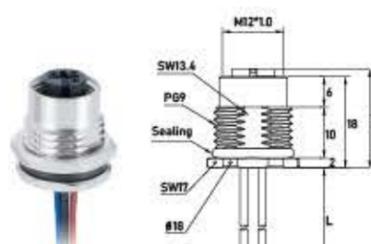
Ordering No.									
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M12x1.5	M20x1.5	1/2"-14NPT	PG9	M12x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC M03P1LSA8P9-22W02	EPIC M03P1LSA816-22W02	EPIC M03P1LSA825-22W02	EPIC M03P1LSA814N-22W02	EPIC M03P1LSA816-22W02	EPIC M03P1LSA818-22W02	EPIC M03P1LSA820-22W02	EPIC M03P1LSA814N-22W02
	0.5 m	743305398	743305398	743305370	743305370	743305414	743305414	743305418	743305420
4 Pin	0.2 m	EPIC M04P1LSA8P9-22W02	EPIC M04P1LSA816-22W02	EPIC M04P1LSA825-22W02	EPIC M04P1LSA814N-22W02	EPIC M04P1LSA816-22W02	EPIC M04P1LSA818-22W02	EPIC M04P1LSA820-22W02	EPIC M04P1LSA814N-22W02
	0.5 m	743305397	743305398	743305371	743305371	743305415	743305415	743305419	743305421
5 Pin	0.2 m	EPIC M05P1LSA8P9-22W02	EPIC M05P1LSA816-22W02	EPIC M05P1LSA825-22W02	EPIC M05P1LSA814N-22W02	EPIC M05P1LSA816-22W02	EPIC M05P1LSA818-22W02	EPIC M05P1LSA820-22W02	EPIC M05P1LSA814N-22W02
	0.5 m	743305396	743305397	743305372	743305372	743305416	743305416	743305420	743305422
6 Pin	0.2 m	EPIC M06P1LSA8P9-22W02	EPIC M06P1LSA816-22W02	EPIC M06P1LSA825-22W02	EPIC M06P1LSA814N-22W02	EPIC M06P1LSA816-22W02	EPIC M06P1LSA818-22W02	EPIC M06P1LSA820-22W02	EPIC M06P1LSA814N-22W02
	0.5 m	743305395	743305396	743305373	743305373	743305417	743305417	743305421	743305423
12 Pin	0.2 m	EPIC M12P1LSA8P9-22W02	EPIC M12P1LSA816-22W02	EPIC M12P1LSA825-22W02	EPIC M12P1LSA814N-22W02	EPIC M12P1LSA816-22W02	EPIC M12P1LSA818-22W02	EPIC M12P1LSA820-22W02	EPIC M12P1LSA814N-22W02
	0.5 m	743305400	743305400	743305374	743305374	743305421	743305421	743305425	743305427
17 Pin	0.2 m	EPIC M17P1LSA8P9-22W02	EPIC M17P1LSA816-22W02	EPIC M17P1LSA825-22W02	EPIC M17P1LSA814N-22W02	EPIC M17P1LSA816-22W02	EPIC M17P1LSA818-22W02	EPIC M17P1LSA820-22W02	EPIC M17P1LSA814N-22W02
	0.5 m	743305408	743305408	743305375	743305375	743305422	743305422	743305426	743305428

Wires' Color Coding							
Poles & Wire Color / Pin	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin	(7Pin)
Pin 1	BN	BN	BN	WH	WH	BN	13. WAGN
Pin 2		WH	WH	BN	BN	BU	14. BNGN
Pin 3	BU	BU	BU	GN	GN	WH	15. WNYE
Pin 4	BC	BC	BC	YE	YE	GN	16. YBGN
Pin 5			GY	GY	GY	PK	17. WNYG
Pin 6			PK	PK	PK	YE	
Pin 7			BU	BU	BU	BC	
Pin 8			RD	RD	RD	GY	
Pin 9				OR	OR	RD	
Pin 10				VT	VT	VT	
Pin 11				BC	BC	GYPK	
Pin 12				LP	LP	RD&U	



M12 A-Code female panel connector, front/ rear mount, with single wires

Front Fastened



Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M12	M20	1/2"-14NPT
A	15.3 <sup>±0.2</sup>	16.1 <sup>±0.2</sup>	20.1 <sup>±0.2</sup>	21.4 <sup>±0.2</sup>
B	PG9	M12x1.5	M20x1.5	1/2"-14NPT
C	13.5 <sup>±0.2</sup>	13.6 <sup>±0.2</sup>	N/A	N/A

Connector Technical data							
Contacts No.	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin	
Reference Standard	IEC 61076-3-101						
Rated current	4A		2A		1.5A		
Rated voltage	250V		30V		15A		
Insulation voltage	250V		600V		600V		
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommended: 0.8Nm, Max: 1.0Nm						
Termination	Soldering						
Wire gauge	0.35mm² (AWG 32)		0.25mm² (AWG 34)		0.15mm² (AWG 36)		
Rated temperature	-25 °C ... +80 °C ... -40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact center	PA66 + GF						
Screw nut	Steel, CHC, Nickel plated						
Contact	Phosphor bronze						
Contacts plating	Au (50µm)						
Crating	POM / SMC						
Protection degree	IP67						
Pullout degree	3						

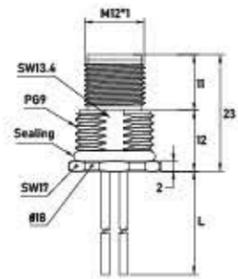
Ordering No.									
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M12x1.5	M20x1.5	1/2"-14NPT	PG9	M12x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC M03P1LSA8P9-22W02	EPIC M03P1LSA816-22W02	EPIC M03P1LSA825-22W02	EPIC M03P1LSA814N-22W02	EPIC M03P1LSA816-22W02	EPIC M03P1LSA818-22W02	EPIC M03P1LSA820-22W02	EPIC M03P1LSA814N-22W02
	0.5 m	743305402	743305402	743305403	743305403	743305423	743305423	743305427	743305429
4 Pin	0.2 m	EPIC M04P1LSA8P9-22W02	EPIC M04P1LSA816-22W02	EPIC M04P1LSA825-22W02	EPIC M04P1LSA814N-22W02	EPIC M04P1LSA816-22W02	EPIC M04P1LSA818-22W02	EPIC M04P1LSA820-22W02	EPIC M04P1LSA814N-22W02
	0.5 m	743305401	743305401	743305404	743305404	743305424	743305424	743305428	743305430
5 Pin	0.2 m	EPIC M05P1LSA8P9-22W02	EPIC M05P1LSA816-22W02	EPIC M05P1LSA825-22W02	EPIC M05P1LSA814N-22W02	EPIC M05P1LSA816-22W02	EPIC M05P1LSA818-22W02	EPIC M05P1LSA820-22W02	EPIC M05P1LSA814N-22W02
	0.5 m	743305400	743305400	743305405	743305405	743305425	743305425	743305429	743305431
6 Pin	0.2 m	EPIC M06P1LSA8P9-22W02	EPIC M06P1LSA816-22W02	EPIC M06P1LSA825-22W02	EPIC M06P1LSA814N-22W02	EPIC M06P1LSA816-22W02	EPIC M06P1LSA818-22W02	EPIC M06P1LSA820-22W02	EPIC M06P1LSA814N-22W02
	0.5 m	743305399	743305399	743305406	743305406	743305426	743305426	743305430	743305432
12 Pin	0.2 m	EPIC M12P1LSA8P9-22W02	EPIC M12P1LSA816-22W02	EPIC M12P1LSA825-22W02	EPIC M12P1LSA814N-22W02	EPIC M12P1LSA816-22W02	EPIC M12P1LSA818-22W02	EPIC M12P1LSA820-22W02	EPIC M12P1LSA814N-22W02
	0.5 m	743305400	743305400	743305407	743305407	743305427	743305427	743305431	743305433
17 Pin	0.2 m	EPIC M17P1LSA8P9-22W02	EPIC M17P1LSA816-22W02	EPIC M17P1LSA825-22W02	EPIC M17P1LSA814N-22W02	EPIC M17P1LSA816-22W02	EPIC M17P1LSA818-22W02	EPIC M17P1LSA820-22W02	EPIC M17P1LSA814N-22W02
	0.5 m	743305402	743305402	743305408	743305408	743305428	743305428	743305432	743305434

Wires' Color Coding							
Poles & Wire Color / Pin	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin	(7Pin)
Pin 1	BN	BN	BN	WH	WH	BN	13. WAGN
Pin 2		WH	WH	BN	BN	BU	14. BNGN
Pin 3	BU	BU	BU	GN	GN	WH	15. WNYE
Pin 4	BC	BC	BC	YE	YE	GN	16. YBGN
Pin 5			GY	GY	GY	PK	17. WNYG
Pin 6			PK	PK	PK	YE	
Pin 7			BU	BU	BU	BC	
Pin 8			RD	RD	RD	GY	
Pin 9				OR	OR	RD	
Pin 10				VT	VT	VT	
Pin 11				BC	BC	GYPK	
Pin 12				LP	LP	RD&U	



M12 A-Code male panel connector, front mount, Plastic Screw, with single wires

Front Fastened

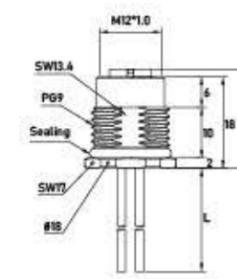


Recommended Panel Cut-out

Chassis side	PG9
A	15.3 ±0.1
B	PG9
C	13.5 ±0.1

M12 A-Code female panel connector, front mount, Plastic Screw, with single wires

Front Fastened



Recommended Panel Cut-out

Chassis side	PG9
A	15.3 ±0.1
B	PG9
C	13.5 ±0.1

Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm				
Termination	Soldering				
Wire gauge	0.34mm <sup>2</sup> (AWG 22)			0.25mm <sup>2</sup> (AWG 24)	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Wire length	Panel Front Side Fastening			
3 Pin	0.2 m	EPIC MC03P1LSAPP9-22W02			7433505558
	0.5 m	EPIC MC03P1LSAPP9-22W05			7433505559
4 Pin	0.2 m	EPIC MC04P1LSAPP9-22W02			7433505560
	0.5 m	EPIC MC04P1LSAPP9-22W05			7433505561
5 Pin	0.2 m	EPIC MC05P1LSAPP9-22W02			7433505562
	0.5 m	EPIC MC05P1LSAPP9-22W05			7433505563
8 Pin	0.2 m	EPIC MC08P1LSAPP9-24W02			7433505564
	0.5 m	EPIC MC08P1LSAPP9-24W05			7433505565
12 Pin	0.2 m	EPIC MC12P1LSAPP9-26W02			7433505566
	0.5 m	EPIC MC12P1LSAPP9-26W05			7433505567

Wires' Color Coding

Poles & Wire Color / Pin					
Pin 1	BN	BN	BN	WH	WH
Pin 2		WH	WH	BN	BN
Pin 3	BU	BU	BU	GN	GN
Pin 4	BK	BK	BK	YE	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7				BU	BU
Pin 8				RD	RD
Pin 9					OR
Pin 10					VT
Pin 11					BK
Pin 12					LP

Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A			2A	1.5A
Rated voltage	250V		60V	30V	
Impulse voltage	2500V		1500V	800V	500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm				
Termination	Soldering				
Wire gauge	0.34mm <sup>2</sup> (AWG 22)			0.25mm <sup>2</sup> (AWG 24)	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Wire length	Panel Front Side Fastening			
3 Pin	0.2 m	EPIC MC03P2LSAPP9-22W02			7433505568
	0.5 m	EPIC MC03P2LSAPP9-22W05			7433505569
4 Pin	0.2 m	EPIC MC04P2LSAPP9-22W02			7433505570
	0.5 m	EPIC MC04P2LSAPP9-22W05			7433505571
5 Pin	0.2 m	EPIC MC05P2LSAPP9-22W02			7433505572
	0.5 m	EPIC MC05P2LSAPP9-22W05			7433505573
8 Pin	0.2 m	EPIC MC08P2LSAPP9-24W02			7433505574
	0.5 m	EPIC MC08P2LSAPP9-24W05			7433505575
12 Pin	0.2 m	EPIC MC12P2LSAPP9-26W02			7433505576
	0.5 m	EPIC MC12P2LSAPP9-26W05			7433505577

Wires' Color Coding

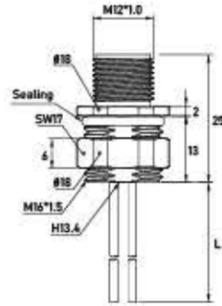
Poles & Wire Color / Pin					
Pin 1	BN	BN	BN	WH	WH
Pin 2		WH	WH	BN	BN
Pin 3	BU	BU	BU	GN	GN
Pin 4	BK	BK	BK	YE	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7				BU	BU
Pin 8				RD	RD
Pin 9					OR
Pin 10					VT
Pin 11					BK
Pin 12					LP

# M12 Panel Thickness Adjustable



M12 male panel mount connector, positioning adjustable, rear side fastening with single wires

Front Fastened



Recommended Panel Cut-out

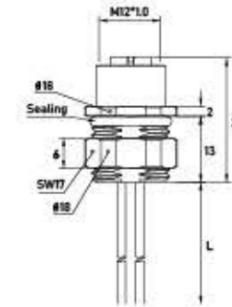
Chassis side	PG9	M16
A	15.3 2'	16.1 2'
B	PG9	M16x1.5
C	13.5 2'	13.6 2'

# M12 Panel Thickness Adjustable



M12 female panel mount connector, positioning adjustable, rear side fastening with single wires

Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 2'	16.1 2'
B	PG9	M16x1.5
C	13.5 2'	13.6 2'

### Connector Technical data

Contacts No.	3Pin	4Pin	4Pin D-Code	5Pin	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V			60V	30V	30V	
Impulse voltage	2500V			1500V	800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact carrier	PA66 + GF						
Screw nut	Brass, CNC, Nickel-plated						
Contact	Brass						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

Poles	Wire length	Panel Rear Side Fastening					
		PG9			M16x1.5		
3 Pin	0.2 m	EPIC MC03P3XLSABP9-22W02	7433505578	EPIC MC03P3XLSAB16-22W02	7433505580		
	0.5 m	EPIC MC03P3XLSABP9-22W05	7433505579	EPIC MC03P3XLSAB16-22W05	7433505581		
4 Pin	0.2 m	EPIC MC04P3XLSABP9-22W02	7433505582	EPIC MC04P3XLSAB16-22W02	7433505584		
	0.5 m	EPIC MC04P3XLSABP9-22W05	7433505583	EPIC MC04P3XLSAB16-22W05	7433505585		
4Pin D-Code	0.2 m	EPIC MC04P3XLSDBP9-22W02	7433505586	EPIC MC04P3XLSDB16-22W02	7433505588		
	0.5 m	EPIC MC04P3XLSDBP9-22W05	7433505587	EPIC MC04P3XLSDB16-22W05	7433505589		
5 Pin	0.2 m	EPIC MC05P3XLSABP9-22W02	7433505590	EPIC MC05P3XLSAB16-22W02	7433505592		
	0.5 m	EPIC MC05P3XLSABP9-22W05	7433505591	EPIC MC05P3XLSAB16-22W05	7433505593		
8 Pin	0.2 m	EPIC MC08P3XLSABP9-24W02	7433505594	EPIC MC08P3XLSAB16-24W02	7433505596		
	0.5 m	EPIC MC08P3XLSABP9-24W05	7433505595	EPIC MC08P3XLSAB16-24W05	7433505597		
12 Pin	0.2 m	EPIC MC12P3XLSABP9-26W02	7433505598	EPIC MC12P3XLSAB16-26W02	7433505600		
	0.5 m	EPIC MC12P3XLSABP9-26W05	7433505599	EPIC MC12P3XLSAB16-26W05	7433505601		
17 Pin	0.2 m	EPIC MC17P3XLSABP9-26W02	7433505602	EPIC MC17P3XLSAB16-26W02	7433505604		
	0.5 m	EPIC MC17P3XLSABP9-26W05	7433505603	EPIC MC17P3XLSAB16-26W05	7433505605		

### Wires' Color Coding

Poles & Wire Color / Pin	3Pin		4Pin		8Pin		12Pin		17Pin	
Pin 1	BN	BN	BN	WH	WH	11. BK	BN	11. GY/PK		
Pin 2				BN	BN	12. LP	WH	12. RD/BU		
Pin 3	BU	BU	BU	GN	GN		YE	13. WH/BU		
Pin 4	BK	BK	BK	YE	YE		GN	14. BN/GN		
Pin 5			GY	GY	GY		PK	15. WH/YE		
Pin 6				PK	PK		GY	16. YE/BN		
Pin 7				BU	BU		BK	17. WH/GY		
Pin 8				RD	RD		VT			
Pin 9					OR		RD			
Pin 10					VT		BU			

### Connector Technical data

Contacts No.	3Pin	4Pin	4Pin D-Code	5Pin	8Pin	12Pin	17Pin
Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A				2A	1.5A	
Rated voltage	250V			60V	30V	30V	
Impulse voltage	2500V			1500V	800V	500V	
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm						
Termination	Soldering						
Wire gauge	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)	0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Contact carrier	PA66 + GF						
Screw nut	Brass, CNC, Nickel-plated						
Contact	Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon						
Protection degree	IP67						
Pollution degree	3						

### Ordering No.

Poles	Wire length	Panel Rear Side Fastening					
		PG9			M16x1.5		
3 Pin	0.2 m	EPIC MC03P4XLSABP9-22W02	7433505606	EPIC MC03P4XLSAB16-22W02	7433505608		
	0.5 m	EPIC MC03P4XLSABP9-22W05	7433505607	EPIC MC03P4XLSAB16-22W05	7433505609		
4 Pin	0.2 m	EPIC MC04P4XLSABP9-22W02	7433505610	EPIC MC04P4XLSAB16-22W02	7433505612		
	0.5 m	EPIC MC04P4XLSABP9-22W05	7433505611	EPIC MC04P4XLSAB16-22W05	7433505613		
4Pin D-Code	0.2 m	EPIC MC04P4XLSDBP9-22W02	7433505614	EPIC MC04P4XLSDB16-22W02	7433505616		
	0.5 m	EPIC MC04P4XLSDBP9-22W05	7433505615	EPIC MC04P4XLSDB16-22W05	7433505617		
5 Pin	0.2 m	EPIC MC05P4XLSABP9-22W02	7433505618	EPIC MC05P4XLSAB16-22W02	7433505620		
	0.5 m	EPIC MC05P4XLSABP9-22W05	7433505619	EPIC MC05P4XLSAB16-22W05	7433505621		
8 Pin	0.2 m	EPIC MC08P4XLSABP9-24W02	7433505622	EPIC MC08P4XLSAB16-24W02	7433505624		
	0.5 m	EPIC MC08P4XLSABP9-24W05	7433505623	EPIC MC08P4XLSAB16-24W05	7433505625		
12 Pin	0.2 m	EPIC MC12P4XLSABP9-26W02	7433505626	EPIC MC12P4XLSAB16-26W02	7433505628		
	0.5 m	EPIC MC12P4XLSABP9-26W05	7433505627	EPIC MC12P4XLSAB16-26W05	7433505629		
17 Pin	0.2 m	EPIC MC17P4XLSABP9-26W02	7433505630	EPIC MC17P4XLSAB16-26W02	7433505632		
	0.5 m	EPIC MC17P4XLSABP9-26W05	7433505631	EPIC MC17P4XLSAB16-26W05	7433505633		

### Wires' Color Coding

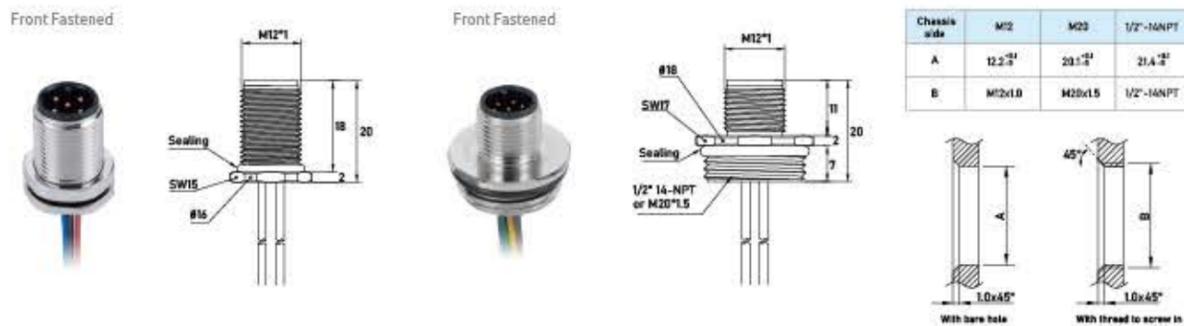
Poles & Wire Color / Pin	3Pin		4Pin		8Pin		12Pin		17Pin	
Pin 1	BN	BN	BN	WH	WH	11. BK	BN	11. GY/PK		
Pin 2				BN	BN	12. LP	WH	12. RD/BU		
Pin 3	BU	BU	BU	GN	GN		YE	13. WH/BU		
Pin 4	BK	BK	BK	YE	YE		GN	14. BN/GN		
Pin 5			GY	GY	GY		PK	15. WH/YE		
Pin 6				PK	PK		GY	16. YE/BN		
Pin 7				BU	BU		BK	17. WH/GY		
Pin 8				RD	RD		VT			
Pin 9					OR		RD			
Pin 10					VT		BU			



# M12 A-Code



M12 A-Code male panel connector, M12, M20 chassis-side thread, front/ rear mount, with single wires



Connector Technical data	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Contacts No.	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.5Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

Ordering No.	Poles	Wire length	M12x1.0	M20x1.5	1/2"-14NPT	M12x1.0	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P1LSAB10-22W02						
		743350504	743350504	743350504	743350504	743350504	743350504	743350504
	0.5 m	EPIC MC03P1LSAB10-22W05						
		743350505	743350505	743350505	743350505	743350505	743350505	743350505
	0.2 m	EPIC MC04P1LSAB10-22W02						
		743350506	743350506	743350506	743350506	743350506	743350506	743350506
0.5 m	EPIC MC04P1LSAB10-22W05							
	743350507	743350507	743350507	743350507	743350507	743350507	743350507	
4 Pin	0.2 m	EPIC MC05P1LSAB10-22W02						
		743350508	743350508	743350508	743350508	743350508	743350508	743350508
	0.5 m	EPIC MC05P1LSAB10-22W05						
		743350509	743350509	743350509	743350509	743350509	743350509	743350509
	0.2 m	EPIC MC06P1LSAB10-22W02						
		743350510	743350510	743350510	743350510	743350510	743350510	743350510
0.5 m	EPIC MC06P1LSAB10-22W05							
	743350511	743350511	743350511	743350511	743350511	743350511	743350511	
5 Pin	0.2 m	EPIC MC08P1LSAB10-22W02						
		743350512	743350512	743350512	743350512	743350512	743350512	743350512
	0.5 m	EPIC MC08P1LSAB10-22W05						
		743350513	743350513	743350513	743350513	743350513	743350513	743350513
	0.2 m	EPIC MC09P1LSAB10-22W02						
		743350514	743350514	743350514	743350514	743350514	743350514	743350514
0.5 m	EPIC MC09P1LSAB10-22W05							
	743350515	743350515	743350515	743350515	743350515	743350515	743350515	
6 Pin	0.2 m	EPIC MC12P1LSAB10-22W02						
		743350516	743350516	743350516	743350516	743350516	743350516	743350516
	0.5 m	EPIC MC12P1LSAB10-22W05						
		743350517	743350517	743350517	743350517	743350517	743350517	743350517
	0.2 m	EPIC MC17P1LSAB10-22W02						
		743350518	743350518	743350518	743350518	743350518	743350518	743350518
0.5 m	EPIC MC17P1LSAB10-22W05							
	743350519	743350519	743350519	743350519	743350519	743350519	743350519	

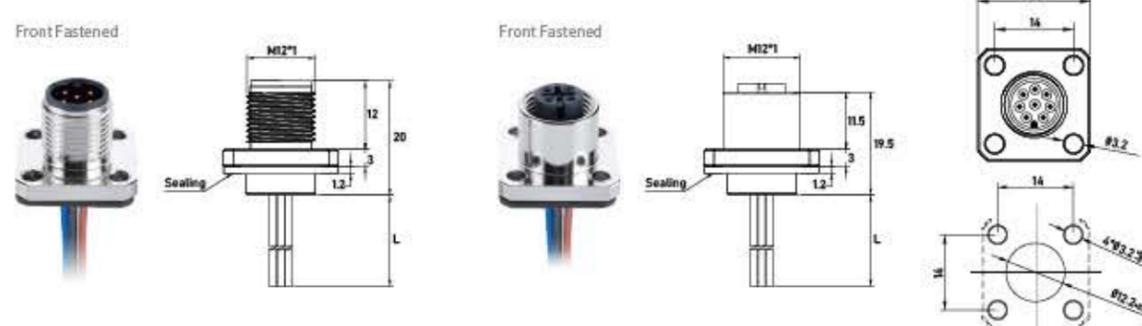
Wires' Color Coding	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Pin 1	BN	BN	BN	WH	WH	BN 13.WHBU
Pin 2	WH	WH	WH	WH	WH	BN 14.BNGN
Pin 3	BU	BU	BU	GN	GN	YE 15.WHYE
Pin 4	BK	BK	BK	YE	YE	GN 16.BNBN
Pin 5			GY	GY	GY	PK 17.WHGY
Pin 6				PK	PK	BU
Pin 7				BU	BU	BK
Pin 8				RD	RD	VT
Pin 9				OR	OR	RD
Pin 10				VT	VT	BU
Pin 11				BK	BK	GYPK
Pin 12				LP	LP	RD&BU



# M12 A-Code



M12 A-Code male/ female panel connector, Flange Type, with single wires



Connector Technical data	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Contacts No.	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Termination	Soldering					
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)		0.14mm <sup>2</sup> (AWG 26)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass, Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

Ordering No.	Poles	Wire length	Male	Female	
3 Pin	0.2 m	EPIC MC03P1LSABF-22W02	7433505706	EPIC MC03P2LSABF-22W02	7433505718
		7433505707	7433505707	EPIC MC03P2LSABF-22W05	7433505719
4 Pin	0.2 m	EPIC MC04P1LSABF-22W02	7433505708	EPIC MC04P2LSABF-22W02	7433505720
		7433505709	7433505709	EPIC MC04P2LSABF-22W05	7433505721
5 Pin	0.2 m	EPIC MC05P1LSABF-22W02	7433505710	EPIC MC05P2LSABF-22W02	7433505722
		7433505711	7433505711	EPIC MC05P2LSABF-22W05	7433505723
6 Pin	0.2 m	EPIC MC06P1LSABF-24W02	7433505712	EPIC MC06P2LSABF-24W02	7433505724
		7433505713	7433505713	EPIC MC06P2LSABF-24W05	7433505725
12 Pin	0.2 m	EPIC MC12P1LSABF-26W02	7433505714	EPIC MC12P2LSABF-26W02	7433505726
		7433505715	7433505715	EPIC MC12P2LSABF-26W05	7433505727
17 Pin	0.2 m	EPIC MC17P1LSABF-26W02	7433505716	EPIC MC17P2LSABF-26W02	7433505728
		7433505717	7433505717	EPIC MC17P2LSABF-26W05	7433505729

Wires' Color Coding	3Pin	4Pin	5Pin	6Pin	12Pin	17Pin
Pin 1	BN	BN	BN	WH	WH	BN 10.BU
Pin 2	WH	WH	WH	WH	WH	BN 11.GYPK
Pin 3	BU	BU	BU	GN	GN	YE 12.RD&BU
Pin 4	BK	BK	BK	YE	YE	GN 13.WH&BU
Pin 5			GY	GY	GY	PK 14.BN&GN
Pin 6				PK	PK	GY 15.WH&YE
Pin 7				BU	BU	BK 16.YE&BN
Pin 8				RD	RD	VT 17.WH&GY
Pin 9				OR	OR	RD



M12 B-Code male panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Soldering
Wire gauge	0.34mm <sup>2</sup> (AWG 22)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FRM /Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

Pin	Wire length	Panel Front Side Feeding				Panel Rear Side Feeding			
		PG9	M12x1.5	M20x1.5	1/2"-14NPT	PG9	M12x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2m	EPIC M12SP1.088P4.22W02	EPIC M12SP1.088R4.22W02	EPIC M12SP1.088L4.22W02	EPIC M12SP1.088F4.22W02	EPIC M12SP1.088P4.22W02	EPIC M12SP1.088R4.22W02	EPIC M12SP1.088L4.22W02	EPIC M12SP1.088F4.22W02
	0.3m	EPIC M12SP1.088P4.22W03	EPIC M12SP1.088R4.22W03	EPIC M12SP1.088L4.22W03	EPIC M12SP1.088F4.22W03	EPIC M12SP1.088P4.22W03	EPIC M12SP1.088R4.22W03	EPIC M12SP1.088L4.22W03	EPIC M12SP1.088F4.22W03
	0.5m	EPIC M12SP1.088P4.22W05	EPIC M12SP1.088R4.22W05	EPIC M12SP1.088L4.22W05	EPIC M12SP1.088F4.22W05	EPIC M12SP1.088P4.22W05	EPIC M12SP1.088R4.22W05	EPIC M12SP1.088L4.22W05	EPIC M12SP1.088F4.22W05
	1.0m	EPIC M12SP1.088P4.22W10	EPIC M12SP1.088R4.22W10	EPIC M12SP1.088L4.22W10	EPIC M12SP1.088F4.22W10	EPIC M12SP1.088P4.22W10	EPIC M12SP1.088R4.22W10	EPIC M12SP1.088L4.22W10	EPIC M12SP1.088F4.22W10
	1.5m	EPIC M12SP1.088P4.22W15	EPIC M12SP1.088R4.22W15	EPIC M12SP1.088L4.22W15	EPIC M12SP1.088F4.22W15	EPIC M12SP1.088P4.22W15	EPIC M12SP1.088R4.22W15	EPIC M12SP1.088L4.22W15	EPIC M12SP1.088F4.22W15
	2.0m	EPIC M12SP1.088P4.22W20	EPIC M12SP1.088R4.22W20	EPIC M12SP1.088L4.22W20	EPIC M12SP1.088F4.22W20	EPIC M12SP1.088P4.22W20	EPIC M12SP1.088R4.22W20	EPIC M12SP1.088L4.22W20	EPIC M12SP1.088F4.22W20

Wires' Color Coding

Pin & Wire Color / Pin	
Pin 1	BN
Pin 2	WH
Pin 3	BU
Pin 4	BK
Pin 5	GY

M12 B-Code female panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Soldering
Wire gauge	0.75-0.25mm <sup>2</sup> (AWG 18-22)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FRM /Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

Pin	Wire length	Panel Front Side Feeding				Panel Rear Side Feeding			
		PG9	M12x1.5	M20x1.5	1/2"-14NPT	PG9	M12x1.5	M20x1.5	1/2"-14NPT
5 Pin	0.2m	EPIC M12SP4.088P4.22W02	EPIC M12SP4.088R4.22W02	EPIC M12SP4.088L4.22W02	EPIC M12SP4.088F4.22W02	EPIC M12SP4.088P4.22W02	EPIC M12SP4.088R4.22W02	EPIC M12SP4.088L4.22W02	EPIC M12SP4.088F4.22W02
	0.3m	EPIC M12SP4.088P4.22W03	EPIC M12SP4.088R4.22W03	EPIC M12SP4.088L4.22W03	EPIC M12SP4.088F4.22W03	EPIC M12SP4.088P4.22W03	EPIC M12SP4.088R4.22W03	EPIC M12SP4.088L4.22W03	EPIC M12SP4.088F4.22W03
	0.5m	EPIC M12SP4.088P4.22W05	EPIC M12SP4.088R4.22W05	EPIC M12SP4.088L4.22W05	EPIC M12SP4.088F4.22W05	EPIC M12SP4.088P4.22W05	EPIC M12SP4.088R4.22W05	EPIC M12SP4.088L4.22W05	EPIC M12SP4.088F4.22W05
	1.0m	EPIC M12SP4.088P4.22W10	EPIC M12SP4.088R4.22W10	EPIC M12SP4.088L4.22W10	EPIC M12SP4.088F4.22W10	EPIC M12SP4.088P4.22W10	EPIC M12SP4.088R4.22W10	EPIC M12SP4.088L4.22W10	EPIC M12SP4.088F4.22W10
	1.5m	EPIC M12SP4.088P4.22W15	EPIC M12SP4.088R4.22W15	EPIC M12SP4.088L4.22W15	EPIC M12SP4.088F4.22W15	EPIC M12SP4.088P4.22W15	EPIC M12SP4.088R4.22W15	EPIC M12SP4.088L4.22W15	EPIC M12SP4.088F4.22W15
	2.0m	EPIC M12SP4.088P4.22W20	EPIC M12SP4.088R4.22W20	EPIC M12SP4.088L4.22W20	EPIC M12SP4.088F4.22W20	EPIC M12SP4.088P4.22W20	EPIC M12SP4.088R4.22W20	EPIC M12SP4.088L4.22W20	EPIC M12SP4.088F4.22W20

Wires' Color Coding

Pin & Wire Color / Pin	
Pin 1	BN
Pin 2	WH
Pin 3	BU
Pin 4	BK
Pin 5	GY

M12 D-Code male panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-3-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Loading system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.8Nm, Max: 1.0Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact center	PA06 + QF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contact plating	Au (Gold)
Oiling	PKM / Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

Pin	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		P09	M16x1.5	M20x1.5	1/2"-14NPT	P09	M16x1.5	M20x1.5	1/2"-14NPT
4Pin	0.2m	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02
	0.3m	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03
	0.5m	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04

Wires' Color Coding

Pin & Wire Color / Pin	Color	Color
Pin 1	BR	YE
Pin 2	WH	WH
Pin 3	BU	OR
Pin 4	SK	BU

M12 D-Code female panel connector, front/ rear mount, with single wires



Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-3-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Loading system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.8Nm, Max: 1.0Nm
Termination	Soldering
Wire gauge	0.34mm² (AWG 22)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact center	PA06 + QF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contact plating	Au (Gold)
Oiling	PKM / Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

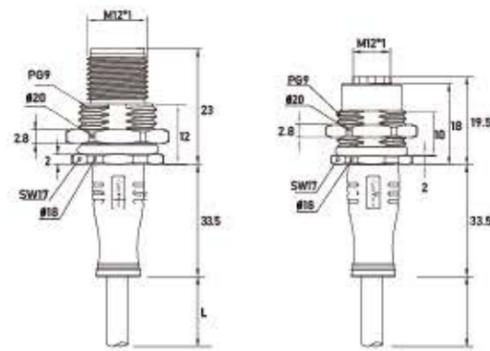
Pin	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		P09	M16x1.5	M20x1.5	1/2"-14NPT	P09	M16x1.5	M20x1.5	1/2"-14NPT
4Pin	0.2m	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02	EPIC M04P3.S08P9-22W02
	0.3m	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03	EPIC M04P3.S08P9-22W03
	0.5m	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04	EPIC M04P3.S08P9-22W04

Wires' Color Coding

Pin & Wire Color / Pin	Color	Color
Pin 1	BR	YE
Pin 2	WH	WH
Pin 3	BU	OR
Pin 4	SK	BU

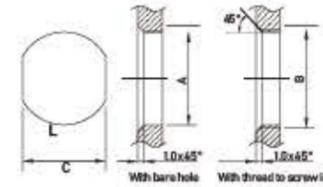
M12 D-Code male/ female panel connector, EMI-Shielded, molded with cable

Front Fastened



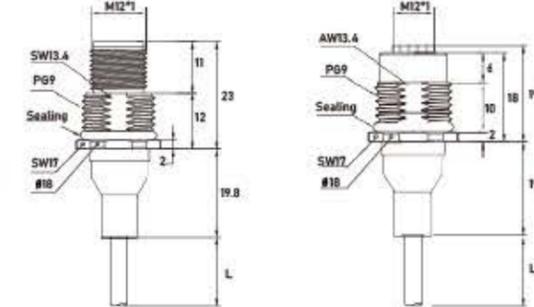
Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 <sup>+0.1</sup> <sub>-0.2</sub>	16.1 <sup>+0.1</sup> <sub>-0.2</sub>
B	PG9	M16x1.5
C	13.5 <sup>+0.1</sup> <sub>-0.2</sub>	13.6 <sup>+0.1</sup> <sub>-0.2</sub>



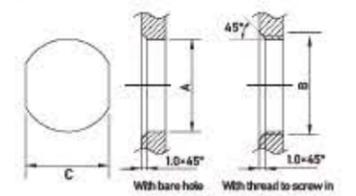
M12 D-Code male/ female panel connector, EMI-Shielded, with cable

Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 <sup>+0.1</sup> <sub>-0.2</sub>	16.1 <sup>+0.1</sup> <sub>-0.2</sub>
B	PG9	M16x1.5
C	13.5 <sup>+0.1</sup> <sub>-0.2</sub>	13.6 <sup>+0.1</sup> <sub>-0.2</sub>



Connector Technical data

Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm	
Termination	Soldering	
Wire gauge	0.34mm <sup>2</sup> (AWG 22)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass, Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Wire length	Male (PUR cable, Balck)		Female (PUR cable, Balck)	
		PG9	M16x1.5	PG9	M16x1.5
4 Pin	1.0 m	EPIC MC04P9LSD8BP9-22RK10	EPIC MC04P9LSD8B16-22RK10	EPIC MC04P8LSD8BP9-22RK10	EPIC MC04P8LSD8B16-22RK10
		7433505922	7433505928	7433505934	7433505940
	2.0 m	EPIC MC04P9LSD8BP9-22RK20	EPIC MC04P9LSD8B16-22RK20	EPIC MC04P8LSD8BP9-22RK20	EPIC MC04P8LSD8B16-22RK20
		7433505923	7433505929	7433505935	7433505941
	3.0 m	EPIC MC04P9LSD8BP9-22RK30	EPIC MC04P9LSD8B16-22RK30	EPIC MC04P8LSD8BP9-22RK30	EPIC MC04P8LSD8B16-22RK30
		7433505924	7433505930	7433505936	7433505942
5.0 m	EPIC MC04P9LSD8BP9-22RK50	EPIC MC04P9LSD8B16-22RK50	EPIC MC04P8LSD8BP9-22RK50	EPIC MC04P8LSD8B16-22RK50	
	7433505925	7433505931	7433505937	7433505943	
7.0 m	EPIC MC04P9LSD8BP9-22RK70	EPIC MC04P9LSD8B16-22RK70	EPIC MC04P8LSD8BP9-22RK70	EPIC MC04P8LSD8B16-22RK70	
	7433505926	7433505932	7433505938	7433505944	
10.0 m	EPIC MC04P9LSD8BP9-22RK100	EPIC MC04P9LSD8B16-22RK100	EPIC MC04P8LSD8BP9-22RK100	EPIC MC04P8LSD8B16-22RK100	
	7433505927	7433505933	7433505939	7433505945	

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	YE	YE
Pin 2	WH	WH
Pin 3	OR	OR
Pin 4	BU	BU

Connector Technical data

Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	250V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm	
Termination	Soldering	
Wire gauge	0.34mm <sup>2</sup> (AWG 22)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated	
Contact	Brass, Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Wire length	Male (PUR cable, Balck)		Female (PUR cable, Balck)	
		PG9	M16x1.5	PG9	M16x1.5
4 Pin	1.0 m	EPIC MC04P1LSD8BP9-22RG10	EPIC MC04P1LSD8B16-22RG10	EPIC MC04P2LSD8BP9-22RG10	EPIC MC04P2LSD8B16-22RG10
		7433506946	7433506952	7433506958	7433506964
	2.0 m	EPIC MC04P1LSD8BP9-22RG20	EPIC MC04P1LSD8B16-22RG20	EPIC MC04P2LSD8BP9-22RG20	EPIC MC04P2LSD8B16-22RG20
		7433506947	7433506953	7433506959	7433506965
	3.0 m	EPIC MC04P1LSD8BP9-22RG30	EPIC MC04P1LSD8B16-22RG30	EPIC MC04P2LSD8BP9-22RG30	EPIC MC04P2LSD8B16-22RG30
		7433506948	7433506954	7433506960	7433506966
5.0 m	EPIC MC04P1LSD8BP9-22RG50	EPIC MC04P1LSD8B16-22RG50	EPIC MC04P2LSD8BP9-22RG50	EPIC MC04P2LSD8B16-22RG50	
	7433506949	7433506955	7433506961	7433506967	
7.0 m	EPIC MC04P1LSD8BP9-22RG70	EPIC MC04P1LSD8B16-22RG70	EPIC MC04P2LSD8BP9-22RG70	EPIC MC04P2LSD8B16-22RG70	
	7433506950	7433506956	7433506962	7433506968	
10.0 m	EPIC MC04P1LSD8BP9-22RG100	EPIC MC04P1LSD8B16-22RG100	EPIC MC04P2LSD8BP9-22RG100	EPIC MC04P2LSD8B16-22RG100	
	7433506951	7433506957	7433506963	7433506969	

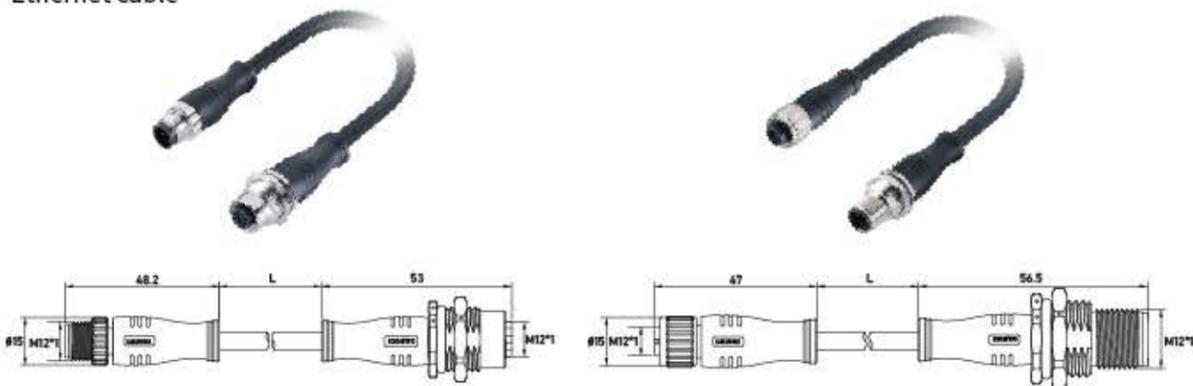
Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	YE	YE
Pin 2	WH	WH
Pin 3	OR	OR
Pin 4	BU	BU

# M12 D-Code(Profinet/ Ethernet)

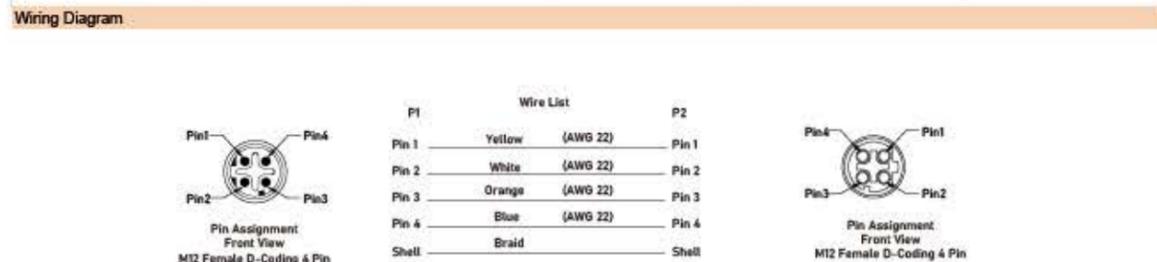


M12 4Pin D-Code molding type connector to panel mount connector molded Cat 5e S/FTP 2x2x22AWG Ethernet cable



Connector Technical data			
Contacts No.	M12 D-Code 4Pin male	Cable Color	M12 D-Code 4Pin female
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	250V		
Impulse voltage	2500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend : 0.8Nm, Max : 1.0Nm		
Termination	Soldering		
Wire gauge	0.34mm² (AWG 22), CAT 5E SFTP		
Rated temperature	-40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Characteristic impedance	100Ω ±15		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass, Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

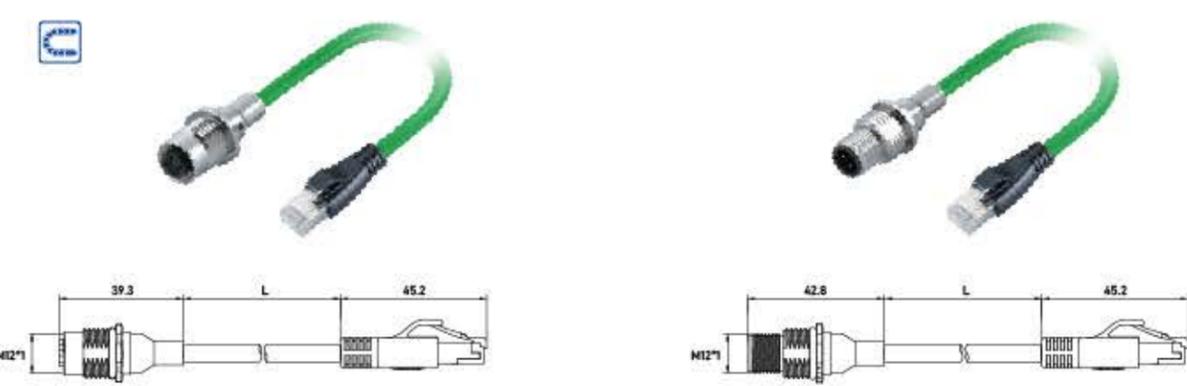
Ordering No.					
Poles	Cable length	Male molding type to female panel connector		Female molding type to male panel connector	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4 Pin	1 m	EPIC MC04C1P2LSD0822CK10-CSE	EPIC MC04C1P2LSD0822RK10-CSE	EPIC MC04C2P1LSD0822CK10-CSE	EPIC MC04C2P1LSD0822RK10-CSE
		7433503848	7433503854	7433503860	7433503866
	2 m	EPIC MC04C1P2LSD0822CK30-CSE	EPIC MC04C1P2LSD0822RK30-CSE	EPIC MC04C2P1LSD0822CK30-CSE	EPIC MC04C2P1LSD0822RK30-CSE
		7433503849	7433503855	7433503861	7433503867
	5 m	EPIC MC04C1P2LSD0822CK90-CSE	EPIC MC04C1P2LSD0822RK90-CSE	EPIC MC04C2P1LSD0822CK90-CSE	EPIC MC04C2P1LSD0822RK90-CSE
		7433503850	7433503856	7433503862	7433503868
	10 m	EPIC MC04C1P2LSD0822CK100-CSE	EPIC MC04C1P2LSD0822RK100-CSE	EPIC MC04C2P1LSD0822CK100-CSE	EPIC MC04C2P1LSD0822RK100-CSE
		7433503851	7433503857	7433503863	7433503869
	15 m	EPIC MC04C1P2LSD0822CK150-CSE	EPIC MC04C1P2LSD0822RK150-CSE	EPIC MC04C2P1LSD0822CK150-CSE	EPIC MC04C2P1LSD0822RK150-CSE
		7433503852	7433503858	7433503864	7433503870
	20 m	EPIC MC04C1P2LSD0822CK200-CSE	EPIC MC04C1P2LSD0822RK200-CSE	EPIC MC04C2P1LSD0822CK200-CSE	EPIC MC04C2P1LSD0822RK200-CSE
		7433503853	7433503859	7433503865	7433503871



# M12 D-Code(Profinet/ Ethernet)

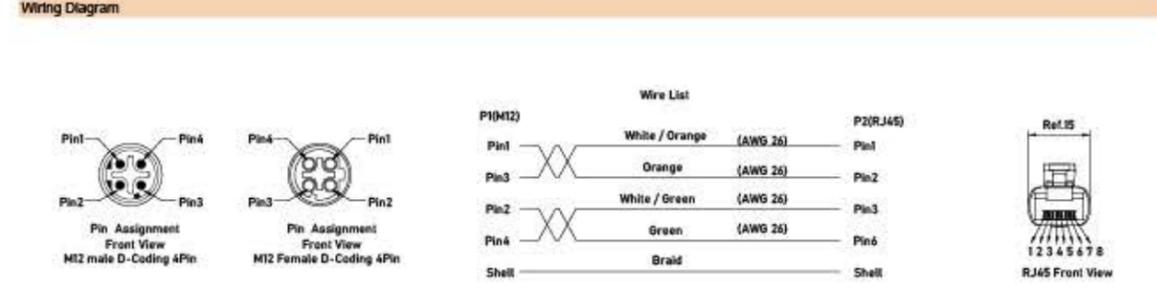


M12 4Pin D-Code panel mount connector to RJ45 male plug with Cat 5e S/FTP Ethernet cable

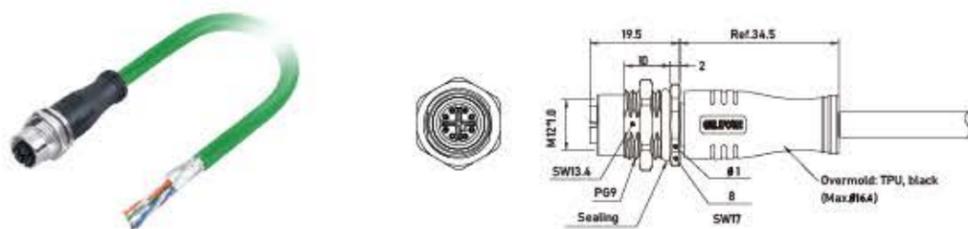


Connector Technical data				
Contacts No.	M12 D-Code 4Pin male	M12 D-Code 4Pin female	Cable Color (26 AWG)	RJ45 Male
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	250V			
Impulse voltage	2500V			
Locking system	M12 x 1.0 screw			
Termination	M12: Soldering, RJ45: Plating			
Wire gauge	0.14mm² (AWG 26), CAT 5E SFTP			
Rated temperature	-40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic impedance	100Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass, Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67(M12)			
Drag chain bending	2 Million times			
Pollution degree	3			

Ordering No.					
Poles	Cable length	M12 D-Code female to RJ45 Plug		M12 D-Code male to RJ45 Plug	
		PUR (Green Cable)	PVC (Green Cable)	PUR (Green Cable)	PVC (Green Cable)
4 Pin	1 m	EPIC RJ5EC1-MC04P3LSD0822RG10-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG10-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG10-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG10-PFN2
		7433503872	7433503870	7433503864	7433503860
	2 m	EPIC RJ5EC1-MC04P3LSD0822RG30-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG30-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG30-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG30-PFN2
		7433503873	7433503871	7433503865	7433503861
	5 m	EPIC RJ5EC1-MC04P3LSD0822RG100-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG100-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG100-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG100-PFN2
		7433503874	7433503872	7433503866	7433503862
	10 m	EPIC RJ5EC1-MC04P3LSD0822RG150-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG150-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG150-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG150-PFN2
		7433503875	7433503873	7433503867	7433503863
	15 m	EPIC RJ5EC1-MC04P3LSD0822RG200-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG200-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG200-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG200-PFN2
		7433503876	7433503874	7433503868	7433503864
	20 m	EPIC RJ5EC1-MC04P3LSD0822RG250-PFN2	EPIC RJ5EC1-MC04P3LSD0822RG250-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG250-PFN2	EPIC RJ5EC1-MC04P1LSD0822RG250-PFN2
		7433503877	7433503875	7433503869	7433503865



M12 X-Code female panel mount connector, molded with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end



M12 X-Code female panel mount connector, with Cat 6A S/FTP ethernet cable, EMI/ RFI-Shielded, free end



Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	PVC (Cable)		PUR (Cable)	
		Part No.	Part No.	Part No.	Part No.
8Pin	1 m	EPIC MC08P8LSXSB26CG10-PFN	7433503996	EPIC MC08P8LSXSB26RG10-PFN	7433504002
		EPIC MC08P8LSXSB26CG20-PFN	7433503997	EPIC MC08P8LSXSB26RG20-PFN	7433504003
	2 m	EPIC MC08P8LSXSB26CG30-PFN	7433503998	EPIC MC08P8LSXSB26RG30-PFN	7433504004
		EPIC MC08P8LSXSB26CG50-PFN	7433503999	EPIC MC08P8LSXSB26RG50-PFN	7433504005
	3 m	EPIC MC08P8LSXSB26CG100-PFN	7433504000	EPIC MC08P8LSXSB26RG100-PFN	7433504006
		EPIC MC08P8LSXSB26CG150-PFN	7433504001	EPIC MC08P8LSXSB26RG150-PFN	7433504007

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V AC, 60V DC
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Wire gauge	0.14mm <sup>2</sup> (AWG 26)
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Cable length	PVC (Cable)		PUR (Cable)	
		Part No.	Part No.	Part No.	Part No.
8Pin	1 m	EPIC MC08P2LSXSB26CG10-PFN	7433504008	EPIC MC08P2LSXSB26RG10-PFN	7433504014
	2 m	EPIC MC08P2LSXSB26CG20-PFN	7433504009	EPIC MC08P2LSXSB26RG20-PFN	7433504015
	3 m	EPIC MC08P2LSXSB26CG30-PFN	7433504010	EPIC MC08P2LSXSB26RG30-PFN	7433504016
	5 m	EPIC MC08P2LSXSB26CG50-PFN	7433504011	EPIC MC08P2LSXSB26RG50-PFN	7433504017
	10 m	EPIC MC08P2LSXSB26CG100-PFN	7433504012	EPIC MC08P2LSXSB26RG100-PFN	7433504018
	15 m	EPIC MC08P2LSXSB26CG150-PFN	7433504013	EPIC MC08P2LSXSB26RG150-PFN	7433504019

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

M12 S-Code male panel connector, Front/ Rear Mount, With Single Wires



M12 S-Code female panel connector, Front/ Rear Mount, With Single Wires



**Connector Technical data**

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.8Nm, Max : 1.0Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated PA66 + GF	
Contact	Brass	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

**Ordering No.**

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
2+PE (3 Pin)	0.5 m	EPIC MC03P1LC8B9-16W05	EPIC MC03P1LC8B16-16W05	EPIC MC03P1LC8P9-16W05	EPIC MC03P3LC8B16-16W05	EPIC MC03P3LC8P9-16W05	EPIC MC03P3LC8P9-16W05
		743305970	743305974	743305978	743305984	743305988	743305992
	1.0 m	EPIC MC03P1LC8B9-16W10	EPIC MC03P1LC8B16-16W10	EPIC MC03P1LC8P9-16W10	EPIC MC03P3LC8B16-16W10	EPIC MC03P3LC8B16-16W10	EPIC MC03P3LC8P9-16W10
		743305971	743305975	743305979	743305985	743305989	743305993
	1.5 m	EPIC MC03P1LC8B9-16W15	EPIC MC03P1LC8B16-16W15	EPIC MC03P1LC8P9-16W15	EPIC MC03P3LC8B16-16W15	EPIC MC03P3LC8B16-16W15	EPIC MC03P3LC8P9-16W15
		743305972	743305976	743305980	743305986	743305990	743305994
2.0 m	EPIC MC03P1LC8B9-16W20	EPIC MC03P1LC8B16-16W20	EPIC MC03P1LC8P9-16W20	EPIC MC03P3LC8B16-16W20	EPIC MC03P3LC8B16-16W20	EPIC MC03P3LC8P9-16W20	
	743305973	743305977	743305981	743305987	743305991	743305995	
3+PE (4 Pin)	0.5 m	EPIC MC04P1LC8B9-16W05	EPIC MC04P1LC8B16-16W05	EPIC MC04P1LC8P9-16W05	EPIC MC04P3LC8B16-16W05	EPIC MC04P3LC8P9-16W05	EPIC MC04P3LC8P9-16W05
		743305982	743305986	743305990	743305996	743306000	743306004
	1.0 m	EPIC MC04P1LC8B9-16W10	EPIC MC04P1LC8B16-16W10	EPIC MC04P1LC8P9-16W10	EPIC MC04P3LC8B16-16W10	EPIC MC04P3LC8B16-16W10	EPIC MC04P3LC8P9-16W10
		743305983	743305987	743305991	743305997	743306001	743306005
	1.5 m	EPIC MC04P1LC8B9-16W15	EPIC MC04P1LC8B16-16W15	EPIC MC04P1LC8P9-16W15	EPIC MC04P3LC8B16-16W15	EPIC MC04P3LC8B16-16W15	EPIC MC04P3LC8P9-16W15
		743305984	743305988	743305992	743305998	743306002	743306006
2.0 m	EPIC MC04P1LC8B9-16W20	EPIC MC04P1LC8B16-16W20	EPIC MC04P1LC8P9-16W20	EPIC MC04P3LC8B16-16W20	EPIC MC04P3LC8B16-16W20	EPIC MC04P3LC8P9-16W20	
	743305985	743305989	743305993	743306000	743306003	743306007	

**Wires' Color Coding**

Poles & Wire Color / Pin	2+PE (3 Pin)	3+PE (4 Pin)
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YEGR	YEGR

**Connector Technical data**

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.8Nm, Max : 1.0Nm	
Termination	Crimping	
Wire gauge	1.5mm <sup>2</sup> (AWG 16)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated PA66 + GF	
Contact	Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

**Ordering No.**

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
2+PE (3 Pin)	0.5 m	EPIC MC03P2LC8B9-16W05	EPIC MC03P2LC8B16-16W05	EPIC MC03P2LC8P9-16W05	EPIC MC03P4LC8B16-16W05	EPIC MC03P4LC8P9-16W05	EPIC MC03P4LC8P9-16W05
		743306016	743306022	743306028	743306034	743306040	743306046
	1.0 m	EPIC MC03P2LC8B9-16W10	EPIC MC03P2LC8B16-16W10	EPIC MC03P2LC8P9-16W10	EPIC MC03P4LC8B16-16W10	EPIC MC03P4LC8B16-16W10	EPIC MC03P4LC8P9-16W10
		743306019	743306025	743306031	743306037	743306043	743306049
	1.5 m	EPIC MC03P2LC8B9-16W15	EPIC MC03P2LC8B16-16W15	EPIC MC03P2LC8P9-16W15	EPIC MC03P4LC8B16-16W15	EPIC MC03P4LC8B16-16W15	EPIC MC03P4LC8P9-16W15
		743306020	743306026	743306032	743306038	743306044	743306050
2.0 m	EPIC MC03P2LC8B9-16W20	EPIC MC03P2LC8B16-16W20	EPIC MC03P2LC8P9-16W20	EPIC MC03P4LC8B16-16W20	EPIC MC03P4LC8B16-16W20	EPIC MC03P4LC8P9-16W20	
	743306021	743306027	743306033	743306039	743306045	743306051	
3+PE (4 Pin)	0.5 m	EPIC MC04P2LC8B9-16W05	EPIC MC04P2LC8B16-16W05	EPIC MC04P2LC8P9-16W05	EPIC MC04P4LC8B16-16W05	EPIC MC04P4LC8P9-16W05	EPIC MC04P4LC8P9-16W05
		743306030	743306036	743306042	743306048	743306054	743306060
	1.0 m	EPIC MC04P2LC8B9-16W10	EPIC MC04P2LC8B16-16W10	EPIC MC04P2LC8P9-16W10	EPIC MC04P4LC8B16-16W10	EPIC MC04P4LC8B16-16W10	EPIC MC04P4LC8P9-16W10
		743306031	743306037	743306043	743306049	743306055	743306061
	1.5 m	EPIC MC04P2LC8B9-16W15	EPIC MC04P2LC8B16-16W15	EPIC MC04P2LC8P9-16W15	EPIC MC04P4LC8B16-16W15	EPIC MC04P4LC8B16-16W15	EPIC MC04P4LC8P9-16W15
		743306032	743306038	743306044	743306050	743306056	743306062
2.0 m	EPIC MC04P2LC8B9-16W20	EPIC MC04P2LC8B16-16W20	EPIC MC04P2LC8P9-16W20	EPIC MC04P4LC8B16-16W20	EPIC MC04P4LC8B16-16W20	EPIC MC04P4LC8P9-16W20	
	743306033	743306039	743306045	743306051	743306057	743306063	

**Wires' Color Coding**

Poles & Wire Color / Pin	2+PE (3 Pin)	3+PE (4 Pin)
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YEGR	YEGR

M12 T-Code male panel connector, Front/ Rear Mount, With Single Wires



M12 T-Code female panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated PA66 + GF
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	0.5 m	EPIC MC04P1LCTBP9-16W05	EPIC MC04P1LCTB16-16W05	EPIC MC04P1LCTPP9-16W05	EPIC MC04P3LCTBP9-16W05	EPIC MC04P3LCTB16-16W05	EPIC MC04P3LCTPP9-16W05
		743350606	743350607	7433506074	7433506078	7433506082	7433506082
	1.0 m	EPIC MC04P1LCTBP9-16W10	EPIC MC04P1LCTB16-16W10	EPIC MC04P1LCTPP9-16W10	EPIC MC04P3LCTBP9-16W10	EPIC MC04P3LCTB16-16W10	EPIC MC04P3LCTPP9-16W10
		743350607	7433506071	7433506075	7433506079	7433506083	7433506083
1.5 m	EPIC MC04P1LCTBP9-16W15	EPIC MC04P1LCTB16-16W15	EPIC MC04P1LCTPP9-16W15	EPIC MC04P3LCTBP9-16W15	EPIC MC04P3LCTB16-16W15	EPIC MC04P3LCTPP9-16W15	
	743350608	7433506072	7433506076	7433506080	7433506084	7433506084	
2.0 m	EPIC MC04P1LCTBP9-16W20	EPIC MC04P1LCTB16-16W20	EPIC MC04P1LCTPP9-16W20	EPIC MC04P3LCTBP9-16W20	EPIC MC04P3LCTB16-16W20	EPIC MC04P3LCTPP9-16W20	
	743350609	7433506073	7433506077	7433506081	7433506085	7433506085	

Wires' Color Coding

Poles & Wire Color / Pin	Front View	Rear View
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/IGN	YE/IGN

Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	Crimping
Wire gauge	1.5mm <sup>2</sup> (AWG 16)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated PA66 + GF
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Wire length	Panel Front Side Fastening			Panel Rear Side Fastening		
		PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	0.5 m	EPIC MC04P2LCTBP9-16W05	EPIC MC04P2LCTB16-16W05	EPIC MC04P2LCTPP9-16W05	EPIC MC04P4LCTBP9-16W05	EPIC MC04P4LCTB16-16W05	EPIC MC04P4LCTPP9-16W05
		743350608	743350609	7433506094	7433506098	7433506102	7433506102
	1.0 m	EPIC MC04P2LCTBP9-16W10	EPIC MC04P2LCTB16-16W10	EPIC MC04P2LCTPP9-16W10	EPIC MC04P4LCTBP9-16W10	EPIC MC04P4LCTB16-16W10	EPIC MC04P4LCTPP9-16W10
		743350607	7433506081	7433506085	7433506089	7433506103	7433506103
1.5 m	EPIC MC04P2LCTBP9-16W15	EPIC MC04P2LCTB16-16W15	EPIC MC04P2LCTPP9-16W15	EPIC MC04P4LCTBP9-16W15	EPIC MC04P4LCTB16-16W15	EPIC MC04P4LCTPP9-16W15	
	743350606	7433506092	7433506096	7433506100	7433506104	7433506104	
2.0 m	EPIC MC04P2LCTBP9-16W20	EPIC MC04P2LCTB16-16W20	EPIC MC04P2LCTPP9-16W20	EPIC MC04P4LCTBP9-16W20	EPIC MC04P4LCTB16-16W20	EPIC MC04P4LCTPP9-16W20	
	743350609	7433506093	7433506097	7433506101	7433506105	7433506105	

Wires' Color Coding

Poles & Wire Color / Pin	Front View	Rear View
Pin 1	RD	BK1
Pin 2	BK	BK2
Pin 3	BU	BK3
Pin 4	YE/IGN	YE/IGN

M12 K-Code male panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data

Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm		
Termination	Crimping		
Wire gauge	1.5mm <sup>2</sup> (16AWG)		
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass, PE Pin: Phosphor bronze		
Contacts plating	Au (Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC03P1LCKBP9-16W02 7433506106	EPIC MC03P1LCKB16-16W02 7433506108	EPIC MC03P3LCKBP9-16W02 7433506118	EPIC MC03P3LCKB16-16W02 7433506120
	0.5 m	EPIC MC03P1LCKBP9-16W05 7433506107	EPIC MC03P1LCKB16-16W05 7433506109	EPIC MC03P3LCKBP9-16W05 7433506119	EPIC MC03P3LCKB16-16W05 7433506121
3+PE (4Pin)	0.2 m	EPIC MC04P1LCKBP9-16W02 7433506110	EPIC MC04P1LCKB16-16W02 7433506112	EPIC MC04P3LCKBP9-16W02 7433506122	EPIC MC04P3LCKB16-16W02 7433506124
	0.5 m	EPIC MC04P1LCKBP9-16W05 7433506111	EPIC MC04P1LCKB16-16W05 7433506113	EPIC MC04P3LCKBP9-16W05 7433506123	EPIC MC04P3LCKB16-16W05 7433506125
4+PE Pin	0.2 m	EPIC MC05P1LCKBP9-16W02 7433506114	EPIC MC05P1LCKB16-16W02 7433506116	EPIC MC05P3LCKBP9-16W02 7433506126	EPIC MC05P3LCKB16-16W02 7433506128
	0.5 m	EPIC MC05P1LCKBP9-16W05 7433506115	EPIC MC05P1LCKB16-16W05 7433506117	EPIC MC05P3LCKBP9-16W05 7433506127	EPIC MC05P3LCKB16-16W05 7433506129

Cable's Color Coding & Wiring

Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4		BK4	BK4
PE/ Pin 5	YE/IGN	YE/IGN	YE/IGN

M12 K-Code female panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data

Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	6000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm		
Termination	Crimping		
Wire gauge	1.5mm <sup>2</sup> (16AWG)		
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Female: Phosphor bronze, PE Pin: Brass		
Contacts plating	Au (Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Non-Shielded		

Ordering No.

Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC03P2LCKBP9-16W02 7433506130	EPIC MC03P2LCKB16-16W02 7433506132	EPIC MC03P4LCKBP9-16W02 7433506142	EPIC MC03P4LCKB16-16W02 7433506144
	0.5 m	EPIC MC03P2LCKBP9-16W05 7433506131	EPIC MC03P2LCKB16-16W05 7433506133	EPIC MC03P4LCKBP9-16W05 7433506143	EPIC MC03P4LCKB16-16W05 7433506145
3+PE (4Pin)	0.2 m	EPIC MC04P2LCKBP9-16W02 7433506134	EPIC MC04P2LCKB16-16W02 7433506136	EPIC MC04P4LCKBP9-16W02 7433506146	EPIC MC04P4LCKB16-16W02 7433506148
	0.5 m	EPIC MC04P2LCKBP9-16W05 7433506135	EPIC MC04P2LCKB16-16W05 7433506137	EPIC MC04P4LCKBP9-16W05 7433506147	EPIC MC04P4LCKB16-16W05 7433506149
4+PE Pin	0.2 m	EPIC MC05P2LCKBP9-16W02 7433506138	EPIC MC05P2LCKB16-16W02 7433506140	EPIC MC05P4LCKBP9-16W02 7433506150	EPIC MC05P4LCKB16-16W02 7433506152
	0.5 m	EPIC MC05P2LCKBP9-16W05 7433506139	EPIC MC05P2LCKB16-16W05 7433506141	EPIC MC05P4LCKBP9-16W05 7433506151	EPIC MC05P4LCKB16-16W05 7433506153

Cable's Color Coding & Wiring

Poles & Wire Color / Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4		BK4	BK4
PE/ Pin 5	YE/IGN	YE/IGN	YE/IGN

M12 L-Code male panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm				
Termination	Crimping				
Wire gauge	1.5mm <sup>2</sup> (16AWG)				
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, PE Pin: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC2EP1LCLBP9-16W02 7433506154	EPIC MC2EP1LCLB16-16W02 7433506156	EPIC MC2EP3LCLBP9-16W02 7433506174	EPIC MC2EP3LCLB16-16W02 7433506176
	0.5 m	EPIC MC2EP1LCLBP9-16W05 7433506155	EPIC MC2EP1LCLB16-16W05 7433506157	EPIC MC2EP3LCLBP9-16W05 7433506175	EPIC MC2EP3LCLB16-16W05 7433506177
3Pin	0.2 m	EPIC MC03P1LCLBP9-16W02 7433506158	EPIC MC03P1LCLB16-16W02 7433506160	EPIC MC03P3LCLBP9-16W02 7433506178	EPIC MC03P3LCLB16-16W02 7433506180
	0.5 m	EPIC MC03P1LCLBP9-16W05 7433506159	EPIC MC03P1LCLB16-16W05 7433506161	EPIC MC03P3LCLBP9-16W05 7433506179	EPIC MC03P3LCLB16-16W05 7433506181
3+PE (4Pin)	0.2 m	EPIC MC3EP1LCLBP9-16W02 7433506162	EPIC MC3EP1LCLB16-16W02 7433506164	EPIC MC3EP3LCLBP9-16W02 7433506182	EPIC MC3EP3LCLB16-16W02 7433506184
	0.5 m	EPIC MC3EP1LCLBP9-16W05 7433506163	EPIC MC3EP1LCLB16-16W05 7433506165	EPIC MC3EP3LCLBP9-16W05 7433506183	EPIC MC3EP3LCLB16-16W05 7433506185
4Pin	0.2 m	EPIC MC04P1LCLBP9-16W02 7433506166	EPIC MC04P1LCLB16-16W02 7433506168	EPIC MC04P3LCLBP9-16W02 7433506186	EPIC MC04P3LCLB16-16W02 7433506188
	0.5 m	EPIC MC04P1LCLBP9-16W05 7433506167	EPIC MC04P1LCLB16-16W05 7433506169	EPIC MC04P3LCLBP9-16W05 7433506187	EPIC MC04P3LCLB16-16W05 7433506189
4+PE (5Pin)	0.2 m	EPIC MC4EP1LCLBP9-16W02 7433506170	EPIC MC4EP1LCLB16-16W02 7433506172	EPIC MC4EP3LCLBP9-16W02 7433506190	EPIC MC4EP3LCLB16-16W02 7433506192
	0.5 m	EPIC MC4EP1LCLBP9-16W05 7433506171	EPIC MC4EP1LCLB16-16W05 7433506173	EPIC MC4EP3LCLBP9-16W05 7433506191	EPIC MC4EP3LCLB16-16W05 7433506193

Cable's Color Coding & Wiring					
Poles & Wire Color / Pin					
Pin 1		BK1	BK1	BK1	BK1
Pin 2	BK2	BK2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3	BK3	BK3
Pin 4			BK4	BK4	BK4
PE/ Pin 5	YE/GN		YE/GN		YE/GN

M12 L-Code female panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm				
Termination	Crimping				
Wire gauge	1.5mm <sup>2</sup> (16AWG)				
Rated temperature	Flexible : -25 ~ 80°C; Static : -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze, PE Pin: Brass				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		PG9	M16	PG9	M16
2+PE (3Pin)	0.2 m	EPIC MC2EP2LCLBP9-16W02 7433506194	EPIC MC2EP2LCLB16-16W02 7433506196	EPIC MC2EP4LCLBP9-16W02 7433506214	EPIC MC2EP4LCLB16-16W02 7433506216
	0.5 m	EPIC MC2EP2LCLBP9-16W05 7433506195	EPIC MC2EP2LCLB16-16W05 7433506197	EPIC MC2EP4LCLBP9-16W05 7433506215	EPIC MC2EP4LCLB16-16W05 7433506217
3Pin	0.2 m	EPIC MC03P2LCLBP9-16W02 7433506198	EPIC MC03P2LCLB16-16W02 7433506200	EPIC MC03P4LCLBP9-16W02 7433506218	EPIC MC03P4LCLB16-16W02 7433506220
	0.5 m	EPIC MC03P2LCLBP9-16W05 7433506199	EPIC MC03P2LCLB16-16W05 7433506201	EPIC MC03P4LCLBP9-16W05 7433506219	EPIC MC03P4LCLB16-16W05 7433506221
3+PE (4Pin)	0.2 m	EPIC MC3EP2LCLBP9-16W02 7433506202	EPIC MC3EP2LCLB16-16W02 7433506204	EPIC MC3EP4LCLBP9-16W02 7433506222	EPIC MC3EP4LCLB16-16W02 7433506224
	0.5 m	EPIC MC3EP2LCLBP9-16W05 7433506203	EPIC MC3EP2LCLB16-16W05 7433506205	EPIC MC3EP4LCLBP9-16W05 7433506223	EPIC MC3EP4LCLB16-16W05 7433506225
4Pin	0.2 m	EPIC MC04P2LCLBP9-16W02 7433506206	EPIC MC04P2LCLB16-16W02 7433506208	EPIC MC04P4LCLBP9-16W02 7433506226	EPIC MC04P4LCLB16-16W02 7433506228
	0.5 m	EPIC MC04P2LCLBP9-16W05 7433506207	EPIC MC04P2LCLB16-16W05 7433506209	EPIC MC04P4LCLBP9-16W05 7433506227	EPIC MC04P4LCLB16-16W05 7433506229
4+PE (5Pin)	0.2 m	EPIC MC4EP2LCLBP9-16W02 7433506210	EPIC MC4EP2LCLB16-16W02 7433506212	EPIC MC4EP4LCLBP9-16W02 7433506230	EPIC MC4EP4LCLB16-16W02 7433506232
	0.5 m	EPIC MC4EP2LCLBP9-16W05 7433506211	EPIC MC4EP2LCLB16-16W05 7433506213	EPIC MC4EP4LCLBP9-16W05 7433506231	EPIC MC4EP4LCLB16-16W05 7433506233

Cable's Color Coding & Wiring					
Poles & Wire Color / Pin					
Pin 1		BK1	BK1	BK1	BK1
Pin 2	BK2	BK2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3	BK3	BK3
Pin 4			BK4	BK4	BK4
PE/ Pin 5	YE/GN		YE/GN		YE/GN

M12 Y-Code male panel connector, Front/ Rear Mount, With Single Wires



M12 Y-Code female panel connector, Front/ Rear Mount, With Single Wires



Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal : 0.5A	
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm	
Termination	Crimping	
Wire gauge	0.14mm <sup>2</sup> (22AWG)+1.5mm <sup>2</sup> (16AWG)	
Rated temperature	Flexible : -25 ~ 80°C ; Static : -40 ~ 80°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au (Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	PG9	M16*1.5
Y3 (4+2Pin)	0.2 m	EPIC MC06P1LCY3BP9-16W02 7433506234	EPIC MC06P1LCY3B16-16W02 7433506236
	0.5 m	EPIC MC06P1LCY3BP9-16W05 7433506235	EPIC MC06P1LCY3B16-16W05 7433506237
Y4 (4+4Pin)	0.2 m	EPIC MC08P1LCY4BP9-20W02 7433506238	EPIC MC08P1LCY4B16-20W02 7433506240
	0.5 m	EPIC MC08P1LCY4BP9-20W05 7433506239	EPIC MC08P1LCY4B16-20W05 7433506241

Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	RD	BN
Pin 6	BK	WH
Pin 7		BU
Pin 8		BK

Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal : 0.5A	
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm	
Termination	Crimping	
Wire gauge	0.14mm <sup>2</sup> (22AWG)+1.5mm <sup>2</sup> (16AWG)	
Rated temperature	Flexible : -25 ~ 80 ; Static : -40 ~ 80	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	PG9	M16*1.5
Y3 (4+2Pin)	0.2 m	EPIC MC06P2LCY3BP9-16W02 7433506242	EPIC MC06P2LCY3B16-16W02 7433506244
	0.5 m	EPIC MC06P2LCY3BP9-16W05 7433506243	EPIC MC06P2LCY3B16-16W05 7433506245
Y4 (4+4Pin)	0.2 m	EPIC MC08P2LCY4BP9-20W02 7433506246	EPIC MC08P2LCY4B16-20W02 7433506248
	0.5 m	EPIC MC08P2LCY4BP9-20W05 7433506247	EPIC MC08P2LCY4B16-20W05 7433506249

Wires' Color Coding

Poles & Wire Color / Pin		
Pin 1	GY	GY
Pin 2	OR	OR
Pin 3	PK	PK
Pin 4	GN	GN
Pin 5	RD	BN
	BK	WH
		BU
		BK



M12 A-Code female panel connector, front/ rear side fastening, PCB Contacts

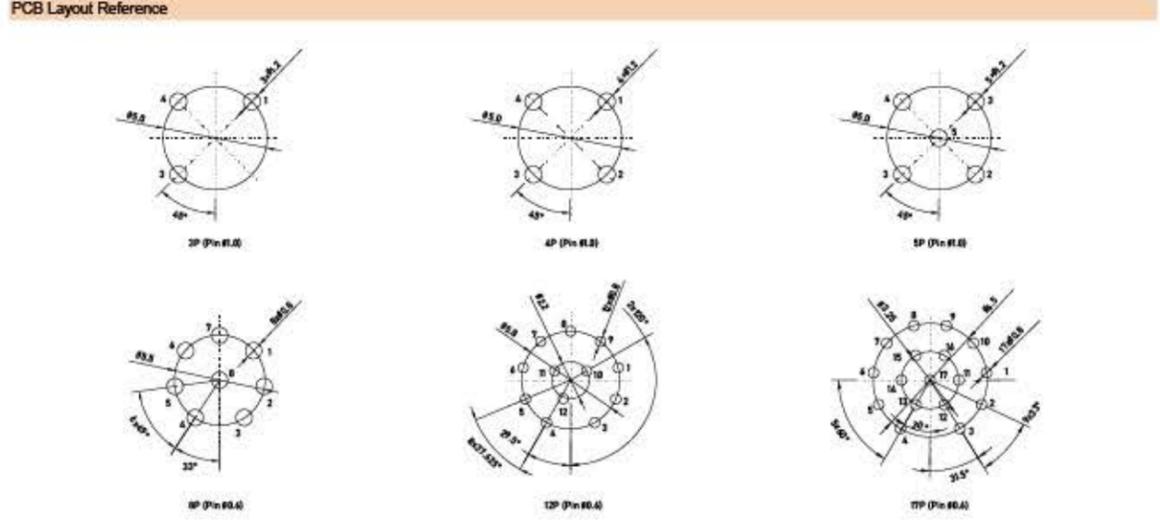


**Connector Technical data**

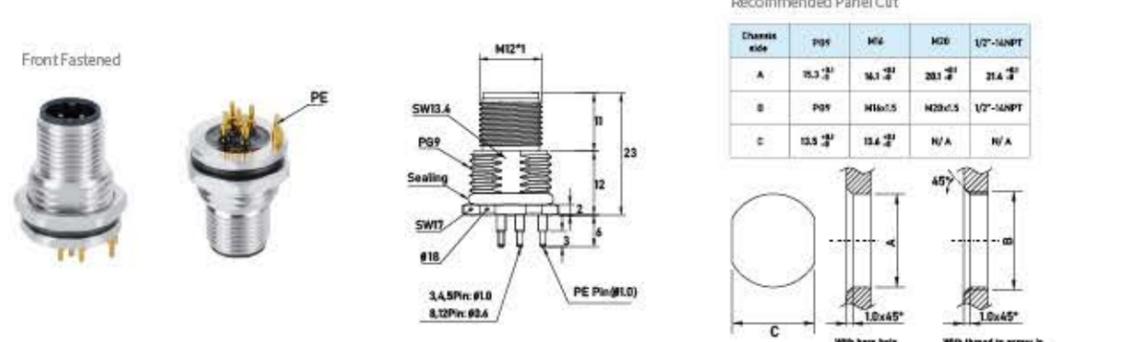
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		60V	30V	500V	
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.8Nm, Max : 1.0Nm					
Termination	PCB Dip Soldering					
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au ( Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

**Ordering No.**

Poles	Panel Front Side Fastening						Panel Rear Side Fastening					
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P2LPA8P9 743350836	EPIC MC03P2LPA816 743350837	EPIC MC03P2LPA820 743350838	EPIC MC03P2LPA814N 743350839	EPIC MC03P4LPA8P9 743350880	EPIC MC03P4LPA816 743350881	EPIC MC03P4LPA820 743350882	EPIC MC03P4LPA814N 743350883	EPIC MC03P6LPA8P9 743350920	EPIC MC03P6LPA816 743350921	EPIC MC03P6LPA820 743350922	EPIC MC03P6LPA814N 743350923
4 Pin	EPIC MC04P2LPA8P9 743350840	EPIC MC04P2LPA816 743350841	EPIC MC04P2LPA820 743350842	EPIC MC04P2LPA814N 743350843	EPIC MC04P4LPA8P9 743350884	EPIC MC04P4LPA816 743350885	EPIC MC04P4LPA820 743350886	EPIC MC04P4LPA814N 743350887	EPIC MC04P6LPA8P9 743350924	EPIC MC04P6LPA816 743350925	EPIC MC04P6LPA820 743350926	EPIC MC04P6LPA814N 743350927
5 Pin	EPIC MC05P2LPA8P9 743350844	EPIC MC05P2LPA816 743350845	EPIC MC05P2LPA820 743350846	EPIC MC05P2LPA814N 743350847	EPIC MC05P4LPA8P9 743350888	EPIC MC05P4LPA816 743350889	EPIC MC05P4LPA820 743350890	EPIC MC05P4LPA814N 743350891	EPIC MC05P6LPA8P9 743350928	EPIC MC05P6LPA816 743350929	EPIC MC05P6LPA820 743350930	EPIC MC05P6LPA814N 743350931
8 Pin	EPIC MC08P2LPA8P9 743350848	EPIC MC08P2LPA816 743350849	EPIC MC08P2LPA820 743350850	EPIC MC08P2LPA814N 743350851	EPIC MC08P4LPA8P9 743350892	EPIC MC08P4LPA816 743350893	EPIC MC08P4LPA820 743350894	EPIC MC08P4LPA814N 743350895	EPIC MC08P6LPA8P9 743350932	EPIC MC08P6LPA816 743350933	EPIC MC08P6LPA820 743350934	EPIC MC08P6LPA814N 743350935
12 Pin	EPIC MC12P2LPA8P9 743350852	EPIC MC12P2LPA816 743350853	EPIC MC12P2LPA820 743350854	EPIC MC12P2LPA814N 743350855	EPIC MC12P4LPA8P9 743350896	EPIC MC12P4LPA816 743350897	EPIC MC12P4LPA820 743350898	EPIC MC12P4LPA814N 743350899	EPIC MC12P6LPA8P9 743350936	EPIC MC12P6LPA816 743350937	EPIC MC12P6LPA820 743350938	EPIC MC12P6LPA814N 743350939
17 Pin	EPIC MC17P2LPA8P9 743350856	EPIC MC17P2LPA816 743350857	EPIC MC17P2LPA820 743350858	EPIC MC17P2LPA814N 743350859	EPIC MC17P4LPA8P9 743350898	EPIC MC17P4LPA816 743350899	EPIC MC17P4LPA820 743350900	EPIC MC17P4LPA814N 743350901	EPIC MC17P6LPA8P9 743350940	EPIC MC17P6LPA816 743350941	EPIC MC17P6LPA820 743350942	EPIC MC17P6LPA814N 743350943



M12 A-Code male panel connector, front side fastening, with PCB Contacts, with ground pin

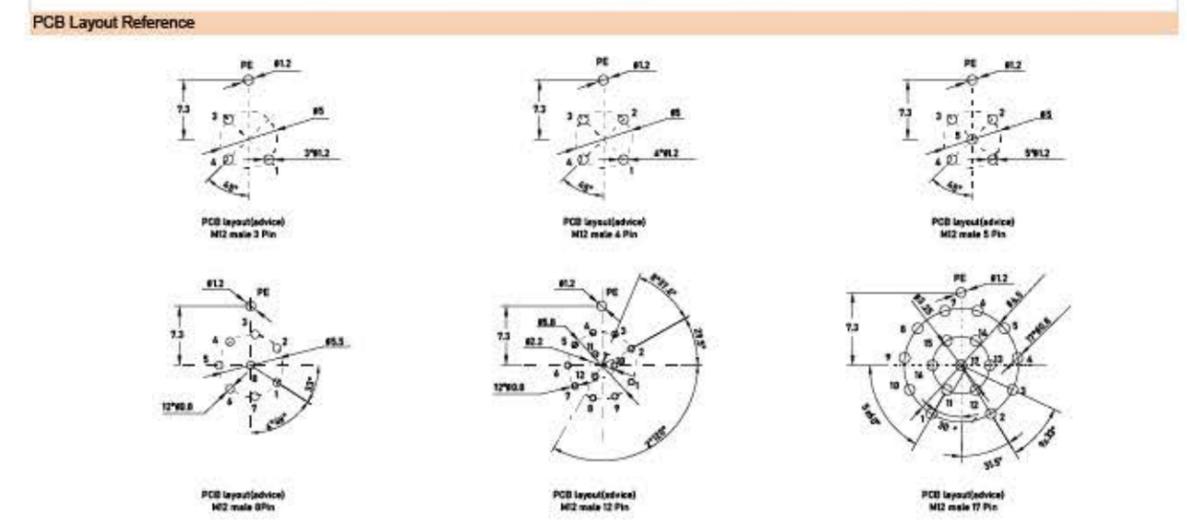


**Connector Technical data**

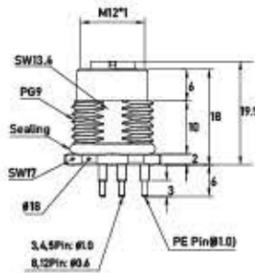
Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		60V	30V	500V	
Impulse voltage	2500V		1500V	800V	500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.8Nm, Max : 1.0Nm					
Termination	Soldering					
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Phosphor bronze					
Contacts plating	Au ( Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

**Ordering No.**

Poles	Panel Front Side Fastening						Panel Rear Side Fastening					
	PG9	M16x1.5	M20x1.5	1/2"-14NPT	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT	M20x1.5	1/2"-14NPT
3 Pin	EPIC MC03P1LPA8B16 743350864	EPIC MC03P1LPA8B16 743350865	EPIC MC03P1LPA8B20 743350866	EPIC MC03P1LPA8B14N 743350867	EPIC MC03P3LPA8B16 743350902	EPIC MC03P3LPA8B16 743350903	EPIC MC03P4LPA8B16 743350938	EPIC MC03P4LPA8B16 743350939	EPIC MC03P4LPA8B20 743350940	EPIC MC03P4LPA8B14N 743350941	EPIC MC03P6LPA8B16 743350976	EPIC MC03P6LPA8B16 743350977
4 Pin	EPIC MC04P1LPA8B16 743350868	EPIC MC04P1LPA8B16 743350869	EPIC MC04P1LPA8B20 743350870	EPIC MC04P1LPA8B14N 743350871	EPIC MC04P3LPA8B16 743350904	EPIC MC04P3LPA8B16 743350905	EPIC MC04P4LPA8B16 743350942	EPIC MC04P4LPA8B16 743350943	EPIC MC04P4LPA8B20 743350944	EPIC MC04P4LPA8B14N 743350945	EPIC MC04P6LPA8B16 743350980	EPIC MC04P6LPA8B16 743350981
5 Pin	EPIC MC05P1LPA8B16 743350872	EPIC MC05P1LPA8B16 743350873	EPIC MC05P1LPA8B20 743350874	EPIC MC05P1LPA8B14N 743350875	EPIC MC05P3LPA8B16 743350906	EPIC MC05P3LPA8B16 743350907	EPIC MC05P4LPA8B16 743350946	EPIC MC05P4LPA8B16 743350947	EPIC MC05P4LPA8B20 743350948	EPIC MC05P4LPA8B14N 743350949	EPIC MC05P6LPA8B16 743350982	EPIC MC05P6LPA8B16 743350983
8 Pin	EPIC MC08P1LPA8B16 743350876	EPIC MC08P1LPA8B16 743350877	EPIC MC08P1LPA8B20 743350878	EPIC MC08P1LPA8B14N 743350879	EPIC MC08P3LPA8B16 743350908	EPIC MC08P3LPA8B16 743350909	EPIC MC08P4LPA8B16 743350950	EPIC MC08P4LPA8B16 743350951	EPIC MC08P4LPA8B20 743350952	EPIC MC08P4LPA8B14N 743350953	EPIC MC08P6LPA8B16 743350984	EPIC MC08P6LPA8B16 743350985
12 Pin	EPIC MC12P1LPA8B16 743350880	EPIC MC12P1LPA8B16 743350881	EPIC MC12P1LPA8B20 743350882	EPIC MC12P1LPA8B14N 743350883	EPIC MC12P3LPA8B16 743350910	EPIC MC12P3LPA8B16 743350911	EPIC MC12P4LPA8B16 743350954	EPIC MC12P4LPA8B16 743350955	EPIC MC12P4LPA8B20 743350956	EPIC MC12P4LPA8B14N 743350957	EPIC MC12P6LPA8B16 743350986	EPIC MC12P6LPA8B16 743350987
17 Pin	EPIC MC17P1LPA8B16 743350884	EPIC MC17P1LPA8B16 743350885	EPIC MC17P1LPA8B20 743350886	EPIC MC17P1LPA8B14N 743350887	EPIC MC17P3LPA8B16 743350912	EPIC MC17P3LPA8B16 743350913	EPIC MC17P4LPA8B16 743350958	EPIC MC17P4LPA8B16 743350959	EPIC MC17P4LPA8B20 743350960	EPIC MC17P4LPA8B14N 743350961	EPIC MC17P6LPA8B16 743350988	EPIC MC17P6LPA8B16 743350989

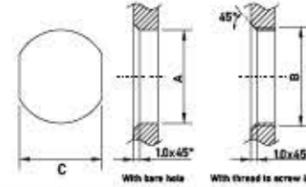


M12 A-Code female panel connector, front side fastening, with PCB Contacts, with ground pin



Recommended Panel Cut

Chassis side	PG9	M6	M3	1/2"-14NPT
A	15.3	16.1	20.1	21.4
B	PG9	M6x1.5	M3x0.5	1/2"-14NPT
C	13.5	13.4	N/A	N/A



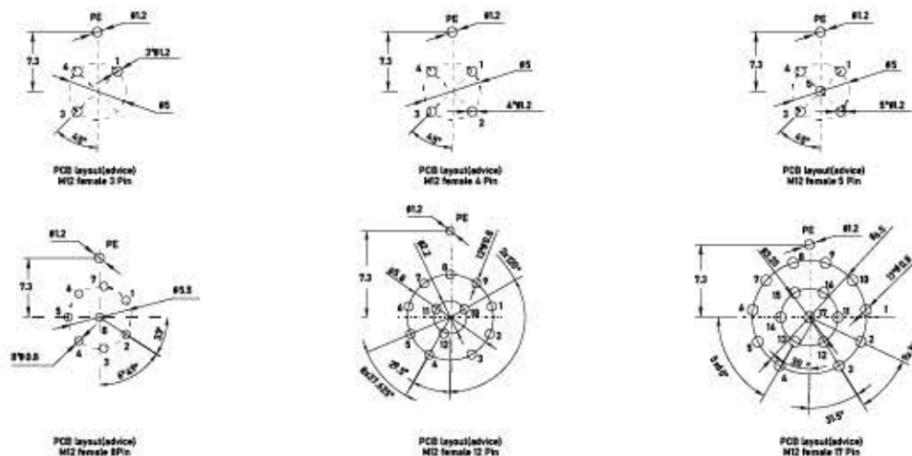
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		30V		80V	
Impulse voltage	2500V		600V		1500V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm					
Termination	Soldering					
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA66 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Phosphor bronze					
Contacts plating	Au ( Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

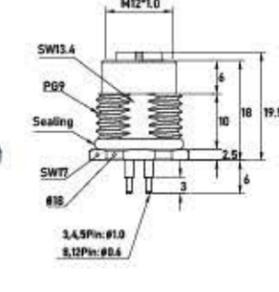
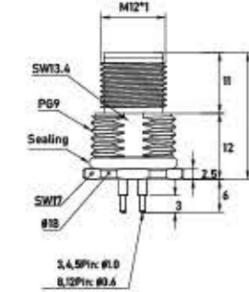
Ordering No.

Poles	PG9	Panel Front Side Fastening				Panel Rear Side Fastening	
		M12x1.5	M3x1.5	1/2"-14NPT	M3x1.5	1/2"-14NPT	
3 Pin	EPIC MC03P2LPAPP9 7433506480						
4 Pin	EPIC MC04P2LPAPP9 7433506481						
5 Pin	EPIC MC05P2LPAPP9 7433506482						
8 Pin	EPIC MC08P2LPAPP9 7433506483						
12 Pin	EPIC MC12P2LPAPP9 7433506484						
17 Pin	EPIC MC17P2LPAPP9 7433506485						

PCB Layout Reference

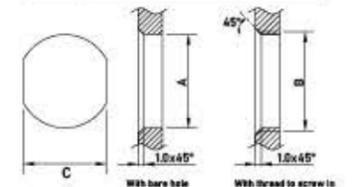


M12 A-Code Panel connector, front side fastening, PCB Contacts, Plastic Screw



Recommended Panel Cut

Chassis side	PG9
A	15.3
B	PG9
C	13.5



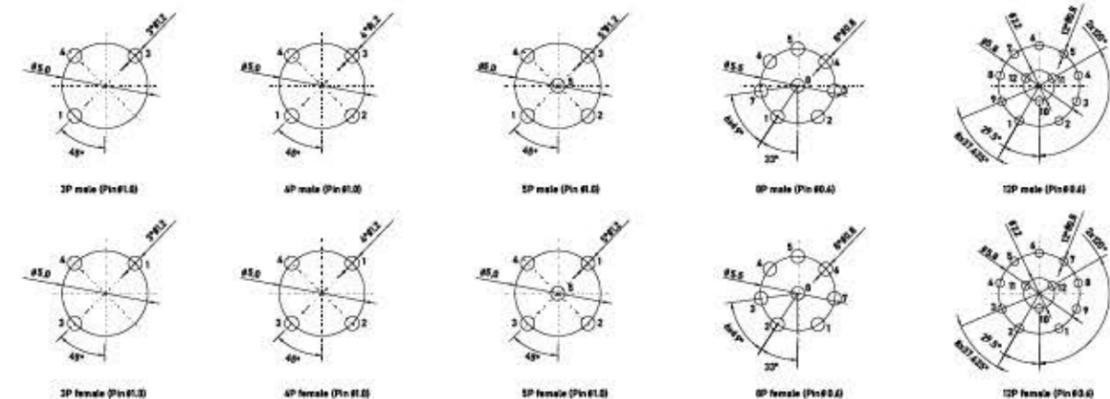
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A		2A		1.5A
Rated voltage	250V		30V		80V
Impulse voltage	2500V		600V		1500V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm				
Termination	PCB Dip Soldering				
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Brass / Phosphor bronze				
Contacts plating	Au ( Gold)				
O-ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Male		Female	
3 Pin	EPIC MC03P1LPAPP9	7433506480	EPIC MC03P2LPAPP9	7433506485
4 Pin	EPIC MC04P1LPAPP9	7433506481	EPIC MC04P2LPAPP9	7433506486
5 Pin	EPIC MC05P1LPAPP9	7433506482	EPIC MC05P2LPAPP9	7433506487
8 Pin	EPIC MC08P1LPAPP9	7433506483	EPIC MC08P2LPAPP9	7433506488
12 Pin	EPIC MC12P1LPAPP9	7433506484	EPIC MC12P2LPAPP9	7433506489

PCB Layout Reference





M12 A-Code male panel connector, M12, M20 chassis-side thread, front/ rear mount, PCB Contacts



Recommended Panel Cut-out

Chassis side	M12	M20	1/2"-14NPT
A	12.2 3/4"	20.1 3/4"	21.4 3/4"
B	M12x1.0	M20x1.5	1/2"-14NPT

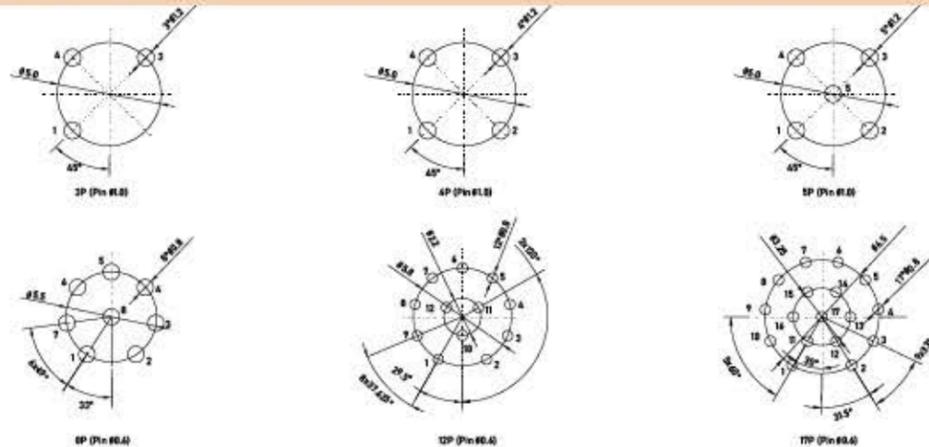
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin	8Pin	12Pin	17Pin
Front View						
Reference Standard	IEC 61078-2-101					
Rated current	4A		2A		1.5A	
Rated voltage	250V		80V		30V	
Impulse voltage	2500V		1500V		800V	
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm					
Termination	PCB Dip Soldering					
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA86 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au ( Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

Ordering No.

Poles	M12 Chassis side thread M12		M20 Chassis side thread M20	
3 Pin	EPIC MC03P1LPAB12	7433506503	EPIC MC03P3LPAB20	7433506509
4 Pin	EPIC MC04P1LPAB12	7433506504	EPIC MC04P3LPAB20	7433506510
5 Pin	EPIC MC05P1LPAB12	7433506505	EPIC MC05P3LPAB20	7433506511
8 Pin	EPIC MC08P1LPAB12	7433506506	EPIC MC08P3LPAB20	7433506512
12 Pin	EPIC MC12P1LPAB12	7433506507	EPIC MC12P3LPAB20	7433506513
17 Pin	EPIC MC17P1LPAB12	7433506508	EPIC MC17P3LPAB20	7433506514

PCB Layout Reference



M12 male-female in one through wall type panel connector



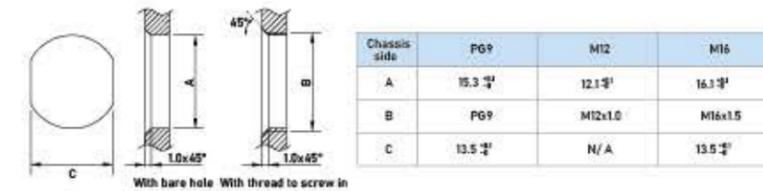
Connector Technical data

Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
Front View						
Reference Standard	IEC 61078-2-101					
Rated current	4A					2A
Rated voltage	250V				80V	30V
Impulse voltage	2500V				1500V	800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm					
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Contact carrier	PA86 + GF					
Screw nut	Brass, CNC, Nickel-plated					
Contact	Brass					
Contacts plating	Au ( Gold)					
O-ring	FKM / Silicon					
Protection degree	IP67					
Pollution degree	3					

Ordering No.

Poles	PG9 Chassis-side			M12x1.0 Chassis-side			M16x1.5 Chassis-side		
	A-Code	B-Code	D-Code	A-Code	B-Code	D-Code	A-Code	B-Code	D-Code
3 Pin	EPIC MC03P7ABP9 7433506515			EPIC MC03P7AB12 7433506516			EPIC MC03P7AB16 7433506517		
4 Pin	EPIC MC04P7ABP9 7433506518		EPIC MC04P7DBP9 7433506519	EPIC MC04P7AB12 7433506520		EPIC MC04P7DB12 7433506521	EPIC MC04P7AB16 7433506522		EPIC MC04P7DB16 7433506523
5 Pin	EPIC MC05P7ABP9 7433506524	EPIC MC05P7BBP9 7433506525		EPIC MC05P7AB12 7433506526	EPIC MC05P7BB12 7433506527		EPIC MC05P7AB16 7433506528	EPIC MC05P7BB16 7433506529	
8 Pin	EPIC MC08P7ABP9 7433506530			EPIC MC08P7AB12 7433506531			EPIC MC08P7AB16 7433506532		

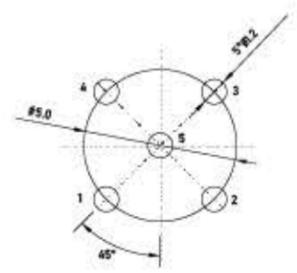
Recommended Panel Cut-out



M12 B-Code male panel connector, front/ rear side fastening, PCB Contacts



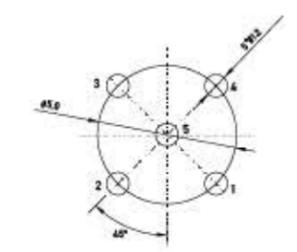
Connector Technical data																																	
Contacts No.	5Pin																																
Front View																																	
Reference Standard	IEC 61076-2-101																																
Rated current	4A																																
Rated voltage	60V																																
Impulse voltage	2500V																																
Locking system	M12 x 1.0 screw																																
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm																																
Termination	PCB Dip Soldering																																
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Screw nut	Brass, CNC, Nickel-plated																																
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743350653	743350654	743350655	743350656	743350657	743350658	743350659	743350654																										
5 Pin																																	
PCB Layout Reference																																	



M12 B-Code female panel connector, front/ rear side fastening, PCB Contacts



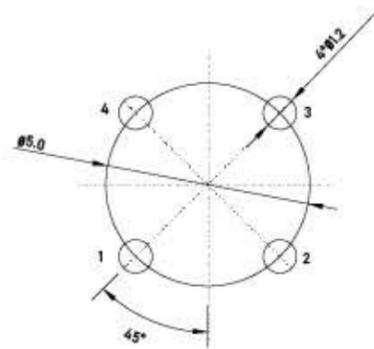
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743350654	743350652	743350653	743350654	743350655	743350656	743350657	743350658																										
5 Pin																																	
PCB Layout Reference																																	



M12 D-Code male panel connector, front/ rear side fastening, PCB Contacts



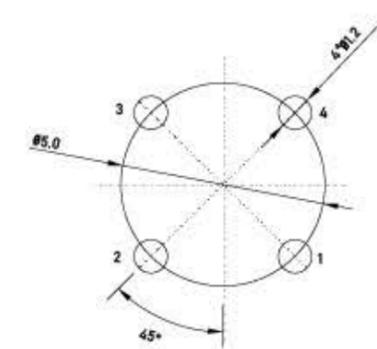
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743359813	743359814	743359815	743359816	743359817	743359818	743359819	743359820																										
4 Pin																																	
PCB Layout Reference																																	



M12 D-Code female panel connector, front/ rear side fastening, PCB Contacts



Connector Technical data																																	
Contacts No.	4Pin																																
Front View																																	
Reference Standard	IEC 61076-2-101																																
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Panel Front Side Fastening				Panel Rear Side Fastening																													
PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT																										
EPIC MCD4P2LPC08P9	EPIC MCD4P2LPC08P9	EPIC MCD4P2LPC08P9	EPIC MCD4P2LPC08P9	EPIC MCD4P4LPC08P9	EPIC MCD4P4LPC08P9	EPIC MCD4P4LPC08P9	EPIC MCD4P4LPC08P9																										
743359821	743359822	743359823	743359824	743359825	743359826	743359827	743359828																										
4 Pin																																	
PCB Layout Reference																																	



## M12 D-Code 90° Panel Connector



M12 D-Code Female panel connector, front side fastening, PCB Contacts, with 90° PCB contacts



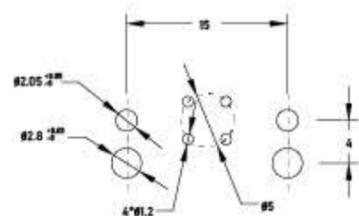
### Connector Technical data

Contacts No.	Female
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend 0.6Nm, Max: 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

### Ordering No.

Poles	Female
4 Pin	EPIC MC04P2RPDB12 7433506630

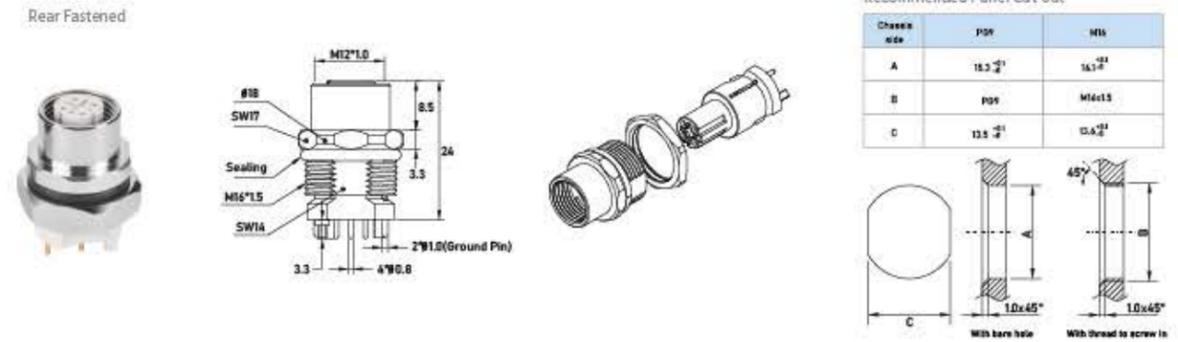
### PCB Layout Reference



## M12 D-Code (Profinet/ Ethernet)



M12 D-Code female PCB panel connector, EMI/ RFI-Shielded, rear fastening, with ground pin



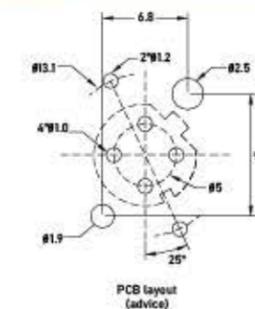
### Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend: 0.6Nm, Max: 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	Flexible : -25 ~ 80°C; Static: -40 ~ 80°C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

### Ordering No.

Poles	Panel Rear Side Fastening	
	PG9	M16x1.5
4 Pin	EPIC MC04P4LPDSBP9	EPIC MC04P4LPDSB16
	7433506631	7433506632

### PCB Layout Reference



# M12-RJ45 ADAPTER



## M12 male to RJ45 female Adapter connector



# M12-RJ45 ADAPTER



## M12 female to RJ45 female Adapters connector



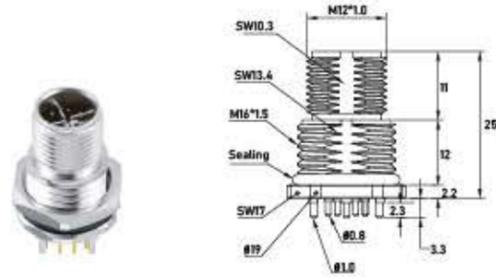
Connector Technical data				
Contacts No.	4Pin D-Code		8Pin A-Code	
P1 Front View				
P2 Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		30V	
Impulse voltage	2500V		800V	
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended : 0.4 Nm , Max : 0.8 Nm			
Termination	Soldering			
Rated temperature	Flexible : -25 ~ 80 °C; Static: -40 ~ 80 °C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass			
Contacts	Brass			
Contacts plating	Au ( Gold)			
O-Ring	N / A			
Protection degree	IP67(M12)			
Pollution degree	3			
EMC Shielding	Shielded			
Ordering No.				
Poles	180° Straight		90° Right angled	
	PG9	M16*1.5	PG9	M16*1.5
4Pin D-Code	EPIC MC04P1LSD8BP9-RJ5EC2	EPIC MC04P1LSD8B16-RJ5EC2	EPIC MC04P1RSD8BP9-RJ5EC2	EPIC MC04P1RSD8B16-RJ5EC2
	7433506633	7433506634	7433506635	7433506636
8Pin A-Code	EPIC MC08P1LSASBP9-RJ5EC2	EPIC MC08P1LSASB16-RJ5EC2	EPIC MC08P1RSASBP9-RJ5EC2	EPIC MC08P1RSASB16-RJ5EC2
	74335697	74335698	74335699	74335700

Connector Technical data				
Contacts No.	4Pin D-Code		8Pin A-Code	
P1 Front View				
P2 Front View				
Reference standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		30V	
Impulse voltage	2500V		800V	
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended : 0.4 Nm , Max : 0.8 Nm			
Termination	Soldering			
Rated temperature	Flexible : -25 ~ 80°C; Static: -40 ~ 80°C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass			
Contacts	Brass			
Contacts plating	Au ( Gold)			
O-Ring	FKM / Silicon			
Protection degree	IP67(M12)			
Pollution degree	3			
EMC Shielding	Shielded			
Ordering No.				
Poles	180° Straight		90° Right angled	
	PG9	M16*1.5	PG9	M16*1.5
4Pin D-Code	EPIC MC04P2LSD8BP9-RJ5EC2	EPIC MC04P2LSD8B16-RJ5EC2	EPIC MC04P2RSD8BP9-RJ5EC2	EPIC MC04P2RSD8B16-RJ5EC2
	7433506637	7433506638	7433506639	7433506640
8Pin A-Code	EPIC MC08P2LSASBP9-RJ5EC2	EPIC MC08P2LSASB16-RJ5EC2	EPIC MC08P2RSASBP9-RJ5EC2	EPIC MC08P2RSASB16-RJ5EC2
	7433506641	7433506642	7433506643	7433506644

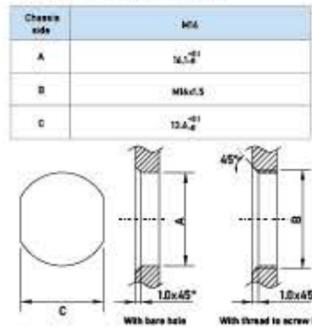


M12 X-Code male panel connector, EMI/ RFI-Shielded, front side fastening, with PCB contacts

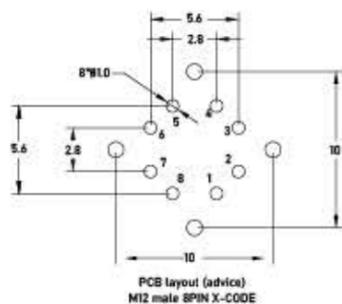
Front Fastened



Recommended Panel Cut-out

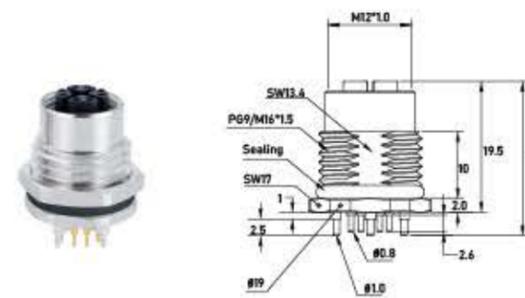


Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	2500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; - 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Zinc Die-cast with Nickel Plated / Brass, CNC, Nickel-plated
Contact	Brass
Contacts plating	Au ( Gold)
O-ring	N / A
Protection degree	IP67
Pollution degree	3
Ordering No.	
Poles	Panel Front Side Fastening M16x1.5
8 Pin	EPIC MC08P1LPXSB16 7433508645
PCB Layout Reference	

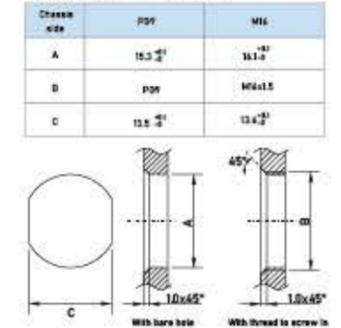


M12 X-Code female panel connector, EMI/ RFI-Shielded, front side fastening, with PCB contacts

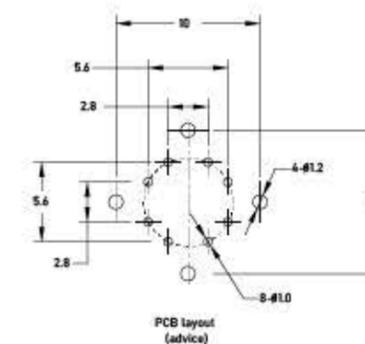
Front Fastened



Recommended Panel Cut-out



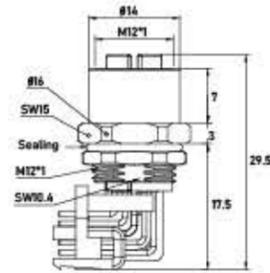
Connector Technical data	
Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; - 40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated/Zinc Die-cast with Nickel Plated
Contact	Phosphor bronze
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
Ordering No.	
Poles	Panel Front Side Fastening
8 Pin	PG9 EPIC MC08P2LPXSBP9 7433508646
	M16x1.5 EPIC MC08P2LPXSB16 7433508647
PCB Layout Reference	



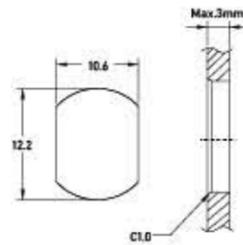
## M12 X-Code 90° Panel Connector



M12 X-Code female panel connector, front side fastening, PCB Contacts, with 90° PCB contacts



Recommended Panel Cut-out



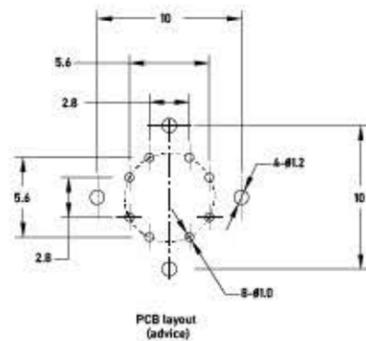
### Connector Technical data

Contacts No.	8Pin X-Code
Front View	
Reference Standard	IEC 61076-2-101
Rated current	0.5A
Rated voltage	50V
Impulse voltage	1500V
Locking system	M12 x1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated / Zinc Die-cast with Nickel Plated
Contact	Phosphor bronze
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

### Ordering No.

Coding	8 Pin
X-Code	EPIC MC08P2RPXSB12 7433506648

### PCB Layout Reference

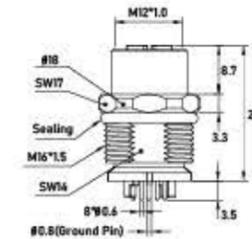


## M12 X-Code



M12 X-Code female PCB panel connector, EMI/ RFI-Shielded, rear fastening, with ground pin

Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.2 <sup>+0.2</sup>	16.1 <sup>+0.1</sup>
B	PG9	M16x1.5
C	13.5 <sup>-0.1</sup>	13.6 <sup>+0.1</sup>

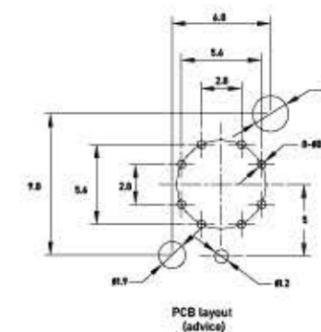
### Connector Technical data

Contacts No.	8Pin
Front View	
Reference Standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	Flexible : -25 ~ 80°C; Static: -40 ~ 80°C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

### Ordering No.

Poles	Panel Rear Side Fastening	
	PG9	M16x1.5
8 Pin	EPIC MC08P4LPXSBP9 7433506649	EPIC MC08P4LPXSB16 7433506650

### PCB Layout Reference



M12 Male Panel Connector, Front, with PCB contacts



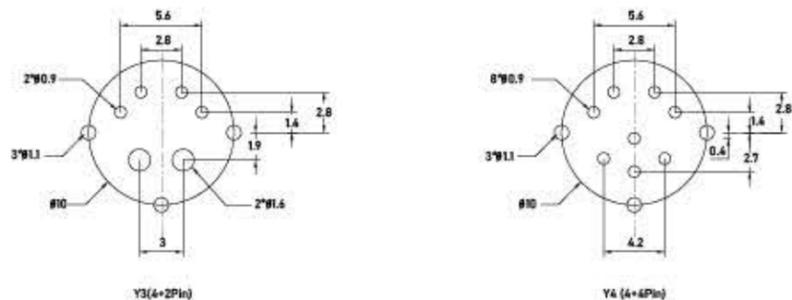
Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal: 0.5A      Power: 6A Signal: 0.5A	
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm	
Termination	PCB Dip Solering	
Rated temperature	Flexible : -25 ~ 80°C; Static: -40 ~ 80°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Brass	
Contacts plating	Au ( Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16*1.5	PG9	M16*1.5
Y3 (4+2Pin)	EPIC MC08P1LPY3BP9	EPIC MC08P1LPY3B16	EPIC MC08P3LPY3BP9	EPIC MC08P3LPY3B16
	7433506651	7433506652	7433506655	7433506656
Y4 (4+4Pin)	EPIC MC08P1LPY4BP9	EPIC MC08P1LPY4B16	EPIC MC08P3LPY4BP9	EPIC MC08P3LPY4B16
	7433506653	7433506654	7433506657	7433506658

PCB Layout Reference



M12 Female Panel Connector, Front, PCB Contacts



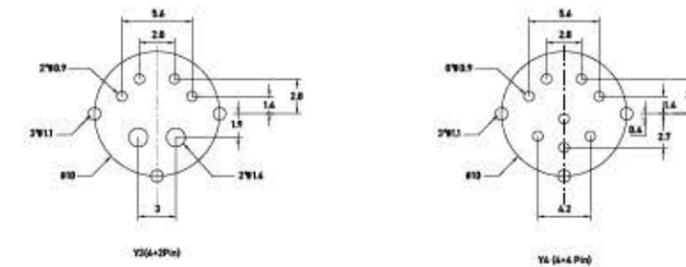
Connector Technical data

Contacts No.	Y3 (4+2Pin)	Y4 (4+4Pin)
Front View		
Reference standard	IEC 61076-2-113	
Rated current	Power: 12A Signal: 0.5A	
Rated voltage	50V	
Locking system	M12 x 1.0mm screw	
Tightening torque	Recommended: 0.4 Nm, Max : 0.8 Nm	
Termination	PCB Dipsoldering	
Rated temperature	-25 ~ 80°C; -40 ~ 105°C	
Insulation resistance	> 100MΩ	
Contact resistance	< 5mΩ	
Over-molding	TPU	
Contacts carrier	PA66 + GF	
Screw nut	Brass, CNC, nickel-plated	
Contacts	Phosphor bronze	
Contacts plating	Au (Gold)	
O-Ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16*1.5	PG9	M16*1.5
Y3 (4+2Pin)	EPIC MC08P2LPY3BP9	EPIC MC08P2LPY3B16	EPIC MC08P4LPY3BP9	EPIC MC08P4LPY3B16
	7433506659	7433506660	7433506663	7433506664
Y4 (4+4Pin)	EPIC MC08P2LPY4BP9	EPIC MC08P2LPY4B16	EPIC MC08P4LPY4BP9	EPIC MC08P4LPY4B16
	7433506661	7433506662	7433506665	7433506666

PCB Layout Reference





## M12 S-Code(12AAC Power)



### M12 S-Code female panel connector, front side fastening, PCB Contacts



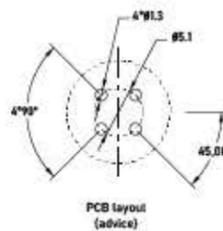
#### Connector Technical data

Contacts No.	2+PE (3 Pin)	3+PE (4 Pin)
Front View		
Reference Standard	IEC 61076-2-111	
Rated current	12A	
Rated voltage	630V	
Impulse voltage	2500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend 0.6Nm, Max 1.0Nm	
Termination	PCB Dip Soldering	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Contact carrier	PA66 + GF	
Screw nut	Brass, CNC, Nickel-plated / PA66 + GF	
Contact	Phosphor bronze	
Contacts plating	Au ( Gold)	
O-ring	FKM / Silicon	
Protection degree	IP67	
Pollution degree	3	

#### Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening		
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	EPIC MC04P2LP8BP9 7433506685	EPIC MC04P2LP8B16 7433506686	EPIC MC04P2LP8PP9 7433506687	EPIC MC04P4LP8BP9 7433506688	EPIC MC04P4LP8B16 7433506689	EPIC MC04P4LP8PP9 7433506690

#### PCB Layout Reference



## M12 T-Code (12A DC Power)



### M12 T-Code male panel connector, front side fastening, PCB Contacts



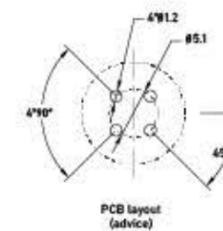
#### Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V DC
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated / PA66 + GF
Contact	Brass
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

#### Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening		
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5	PG9 Plastic
4 Pin	EPIC MC04P1LFTBP9 7433506691	EPIC MC04P1LFTB16 7433506692	EPIC MC04P1LFTPP9 7433506693	EPIC MC04P3LPTBP9 7433506694	EPIC MC04P3LPTB16 7433506695	EPIC MC04P3LPTPP9 7433506696

#### PCB Layout Reference



## M12 T-Code (12A DC Power)



### M12 T-Code female panel connector, front side fastening, PCB Contacts



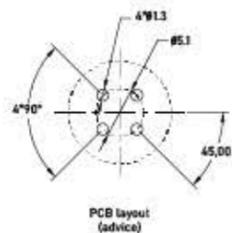
#### Connector Technical data

Contacts No.	4Pin
Front View	
Reference Standard	IEC 61076-2-111
Rated current	12A
Rated voltage	63V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.6Nm, Max : 1.0Nm
Termination	PCB Dip Soldering
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, Nickel-plated / PA66 + GF
Contact	Phosphor bronze
Contacts plating	Au ( Gold)
O-ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3

#### Ordering No.

Poles	Panel Front Side Fastening			Panel Rear Side Fastening	
	PG9	M16x1.5	PG9 Plastic	PG9	M16x1.5
4 Pin	EPIC MC04P2LPTBP9 7433506897	EPIC MC04P2LPTB16 7433506898	EPIC MC04P2LPTPP9 7433506899	EPIC MC04P4LPTBP9 7433506700	EPIC MC04P4LPTB16 7433506701

#### PCB Layout Reference



## M12 K-Code (16A AC Power)



### M12 K-Code male panel connector, front side fastening, with 90° PCB contacts



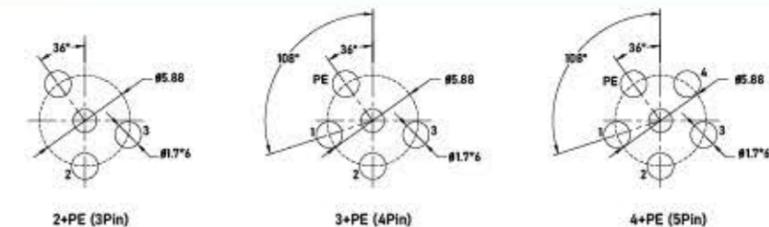
#### Connector Technical data

Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)
Front View			
Reference standard	IEC 61076-2-111		
Rated current	16A		
Rated voltage	630V		
Impulse voltage	8000V		
Locking system	M12 x 1.0mm screw		
Tightening torque	Recommended: 0.6 Nm, Max : 1.0 Nm		
Termination	PCB Dip Soldering		
Rated temperature	Flexible: -25 ~ 80°C ; Static : -40 ~ 80°C		
Insulation resistance	> 100MΩ		
Contact resistance	< 5mΩ		
Contacts carrier	PA66 + GF		
Screw nut	Brass, CNC, nickel-plated		
Contacts	Male: Brass, PE Pin: Phosphor bronze		
Contacts plating	Au ( Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Non-Shielded		

#### Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M16	PG9	M16
2+PE (3Pin)	EPIC MC03P1LPKBP9 7433506702	EPIC MC03P1LPKB16 7433506703	EPIC MC03P3LPKBP9 7433506708	EPIC MC03P3LPKB16 7433506709
3+PE (4Pin)	EPIC MC04P1LPKBP9 7433506704	EPIC MC04P1LPKB16 7433506705	EPIC MC04P3LPKBP9 7433506710	EPIC MC04P3LPKB16 7433506711
4+PE (5Pin)	EPIC MC05P1LPKBP9 7433506706	EPIC MC05P1LPKB16 7433506707	EPIC MC05P3LPKBP9 7433506712	EPIC MC05P3LPKB16 7433506713

#### PCB Layout Reference



## M12 K-Code (16A AC Power)



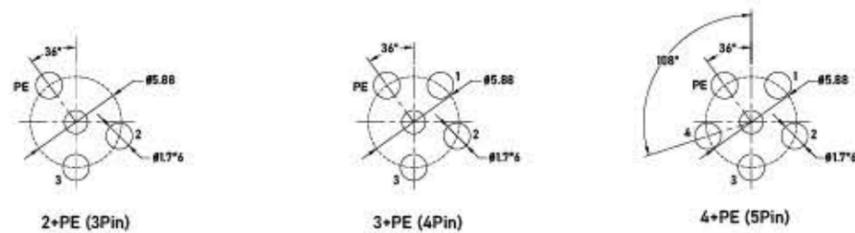
### M12 K-Code female panel connector, rear side fastening, with 90° PCB contacts



Connector Technical data				
Contacts No.	2+PE (3Pin)	3+PE (4Pin)	4+PE (5Pin)	
Front View				
Reference standard	IEC 61076-2-111			
Rated current	16A			
Rated voltage	630V			
Impulse voltage	6000V			
Locking system	M12 x 1.0mm screw			
Tightening torque	Recommended : 0.6 Nm , Max : 1.0 Nm			
Termination	PCB Dip Soldering			
Rated temperature	Flexible: -25 ~ 80°C; Static : -40 ~ 80°C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Contacts carrier	PA66 + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Female: Phosphor bronze , PE Pin: Brass			
Contacts plating	Au ( Gold)			
O-Ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			
EMC Shielding	Non-Shielded			

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9		M16		PG9		M16	
	2+PE (3Pin)	EPIC MC03P2LPKBP9 7433506714	EPIC MC03P2LPKB16 7433506715	EPIC MC03P4LPKBP9 7433506720	EPIC MC03P4LPKB16 7433506721	EPIC MC03P4LPKBP9 7433506722	EPIC MC03P4LPKB16 7433506723	EPIC MC03P4LPKBP9 7433506724
3+PE (4Pin)	EPIC MC04P2LPKBP9 7433506716	EPIC MC04P2LPKB16 7433506717	EPIC MC04P4LPKBP9 7433506722	EPIC MC04P4LPKB16 7433506723	EPIC MC04P4LPKBP9 7433506724	EPIC MC04P4LPKB16 7433506725	EPIC MC04P4LPKBP9 7433506726	EPIC MC04P4LPKB16 7433506727
4+PE (5Pin)	EPIC MC05P2LPKBP9 7433506718	EPIC MC05P2LPKB16 7433506719	EPIC MC05P4LPKBP9 7433506724	EPIC MC05P4LPKB16 7433506725	EPIC MC05P4LPKBP9 7433506726	EPIC MC05P4LPKB16 7433506727	EPIC MC05P4LPKBP9 7433506728	EPIC MC05P4LPKB16 7433506729

#### PCB Layout Reference



## M12 L-Code (16A DC Power)



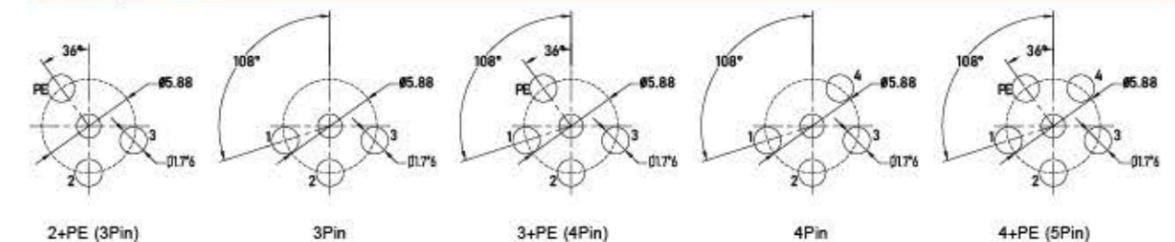
### M12 L-Code male panel connector, front side fastening, PCB Contacts



Connector Technical data					
Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended: 0.6 Nm, Max : 1.0 Nm				
Termination	PCB Dip Soldering				
Rated temperature	Flexible: -25 ~ 80°C; Static : -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, PE Pin: Phosphor bronze				
Contacts plating	Au ( Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Poles	Panel Front Side Fastening				Panel Rear Side Fastening			
	PG9		M16		PG9		M16	
	2+PE (3Pin)	EPIC MC2EP1LPLBP9 7433506726	EPIC MC2EP1LPLB16 7433506727	EPIC MC2EP3LPLBP9 7433506736	EPIC MC2EP3LPLB16 7433506737	EPIC MC2EP1LPLBP9 7433506738	EPIC MC2EP1LPLB16 7433506739	EPIC MC2EP3LPLBP9 7433506740
3Pin	EPIC MC03P1LPLBP9 7433506728	EPIC MC03P1LPLB16 7433506729	EPIC MC03P3LPLBP9 7433506738	EPIC MC03P3LPLB16 7433506739	EPIC MC03P1LPLBP9 7433506740	EPIC MC03P1LPLB16 7433506741	EPIC MC03P3LPLBP9 7433506742	EPIC MC03P3LPLB16 7433506743
3+PE (4Pin)	EPIC MC3EP1LPLBP9 7433506730	EPIC MC3EP1LPLB16 7433506731	EPIC MC3EP3LPLBP9 7433506740	EPIC MC3EP3LPLB16 7433506741	EPIC MC3EP1LPLBP9 7433506742	EPIC MC3EP1LPLB16 7433506743	EPIC MC3EP3LPLBP9 7433506744	EPIC MC3EP3LPLB16 7433506745
4Pin	EPIC MC04P1LPLBP9 7433506732	EPIC MC04P1LPLB16 7433506733	EPIC MC04P3LPLBP9 7433506742	EPIC MC04P3LPLB16 7433506743	EPIC MC04P1LPLBP9 7433506744	EPIC MC04P1LPLB16 7433506745	EPIC MC04P3LPLBP9 7433506746	EPIC MC04P3LPLB16 7433506747
4+PE (5Pin)	EPIC MC4EP1LPLBP9 7433506734	EPIC MC4EP1LPLB16 7433506735	EPIC MC4EP3LPLBP9 7433506744	EPIC MC4EP3LPLB16 7433506745	EPIC MC4EP1LPLBP9 7433506746	EPIC MC4EP1LPLB16 7433506747	EPIC MC4EP3LPLBP9 7433506748	EPIC MC4EP3LPLB16 7433506749

#### PCB Layout Reference



## M12 L-Code (16A DC Power)



M12 L-Code female panel connector, front side fastening, PCB Contacts



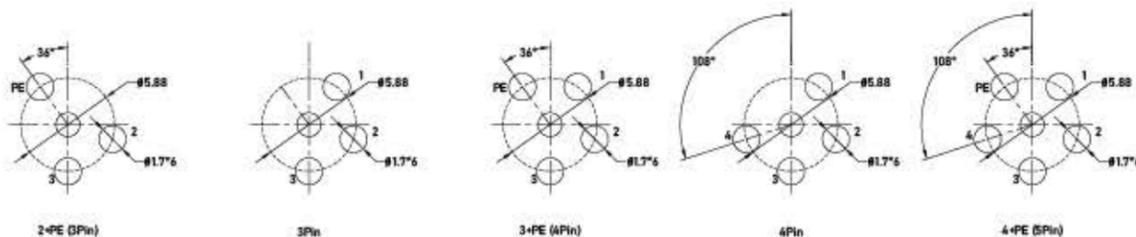
### Connector Technical data

Contacts No.	2+PE (3Pin)	3Pin	3+PE (4Pin)	4Pin	4+PE (5Pin)
Front View					
Reference standard	IEC 61076-2-111				
Rated current	16A				
Rated voltage	63V				
Impulse voltage	1500V				
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.6 Nm, Max : 1.0 Nm				
Termination	PCB Dip Soldering				
Rated temperature	Flexible: -25 ~ 80°C ; Static : -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Contacts carrier	PA66 + GF				
Screw/nut	Brass, CNC, nickel-plated				
Contacts	Female: Phosphor bronze, PE Pin: Brass				
Contacts plating	Au ( Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

### Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	PG9	M15	PG9	M15
2+PE (3Pin)	EPIC MC2EP2LPLBP9	EPIC MC2EP2LPLB16	EPIC MC2EP4LPLBP9	EPIC MC2EP4LPLB16
	7433506746	7433506747	7433506756	7433506757
3Pin	EPIC MC03P2LPLBP9	EPIC MC03P2LPLB16	EPIC MC03P4LPLBP9	EPIC MC03P4LPLB16
	7433506748	7433506749	7433506758	7433506759
3+PE (4Pin)	EPIC MC3EP2LPLBP9	EPIC MC3EP2LPLB16	EPIC MC3EP4LPLBP9	EPIC MC3EP4LPLB16
	7433506750	7433506751	7433506760	7433506761
4Pin	EPIC MC04P2LPLBP9	EPIC MC04P2LPLB16	EPIC MC04P4LPLBP9	EPIC MC04P4LPLB16
	7433506752	7433506753	7433506762	7433506763
4+PE (5Pin)	EPIC MC4EP2LPLBP9	EPIC MC4EP2LPLB16	EPIC MC4EP4LPLBP9	EPIC MC4EP4LPLB16
	7433506754	7433506755	7433506764	7433506765

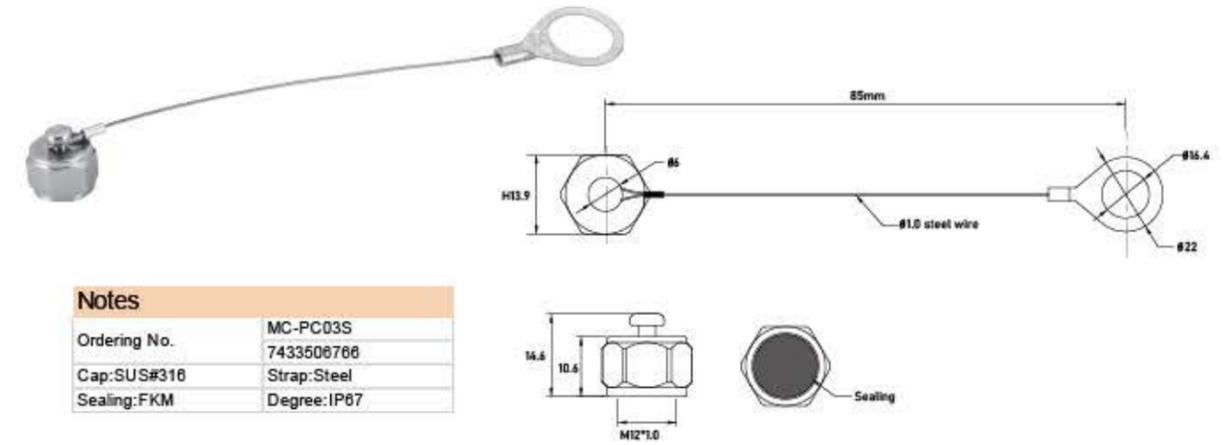
### PCB Layout Reference



## M12 Dust Cap



M12 male connector's dust cap, SUS#316 with strap

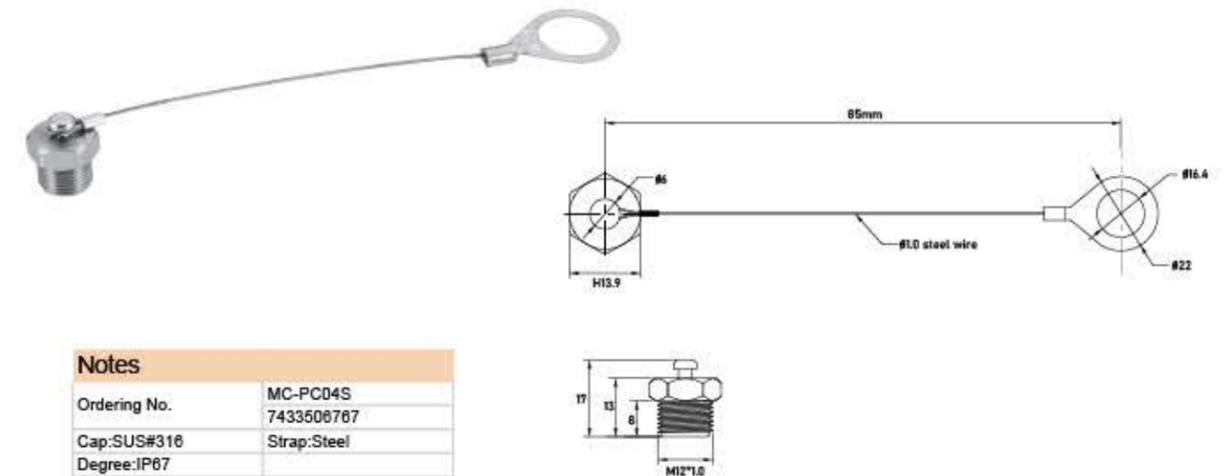


### Notes

Ordering No.	MC-PC03S
Cap:SUS#316	Strap:Steel
Sealing:FKM	Degree:IP67

## M12 Dust Cap

M12 female connector's dust cap, SUS#316 with strap



### Notes

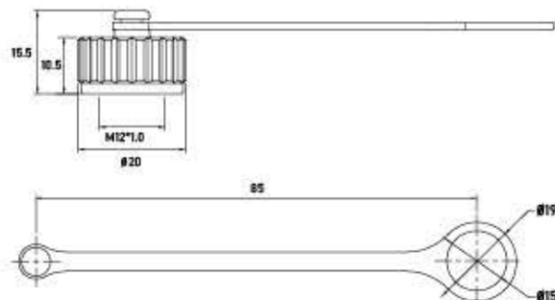
Ordering No.	MC-PC04S
Cap:SUS#316	Strap:Steel
Degree:IP67	



## M12 Dust Cap



M12 male connector's plastic dust cap, with strap



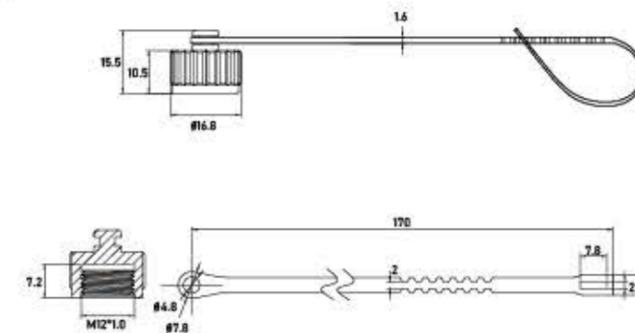
### Notes

Ordering No.	EPIC MC-PC03 7433506768
Cap:PA	Strap:TPU
Sealing:FKM	IP Degree:IP67

## M12 Dust Cap



M12 male connector's plastic dust cap, with strap

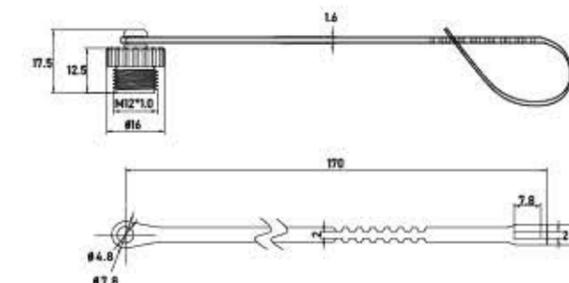


### Notes

Ordering No.	EPIC MC-PC03 7433506770
Cap:PA	Strap:TPU
Sealing:FKM	IP Degree:IP67

## M12 Dust Cap

M12 female connector's plastic dust cap, with strap

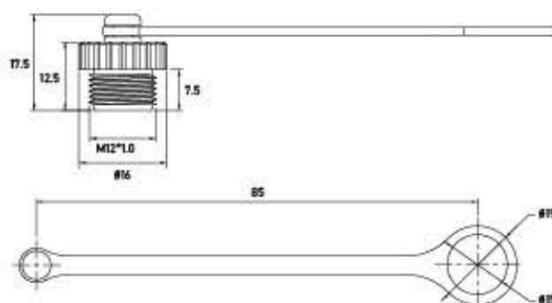


### Notes

Ordering No.	EPIC MC-PC04 7433506771
Cap:PA	Strap:TPU
IP Degree:IP67	

## M12 Dust Cap

M12 female connector's plastic dust cap, with strap

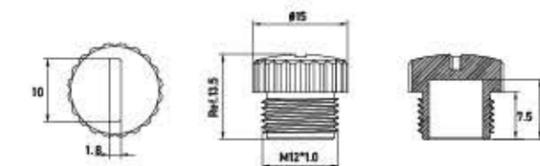


### Notes

Ordering No.	EPIC MC-PC04 7433506769
Cap:PA	Strap:TPU
IP Degree:IP67	

## M12 Dust Cap

M12 female connector's dust cap



### Notes

Ordering No.	EPIC MC-PC06 7433506772
Cap:PA+GF	IP Degree:IP67

# M12 Field wireable connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



Permit high flexibility for wiring in the field. For quick assembly and disassembly of often differing cable lengths, solder termination and screw termination are available, and quick-locking fast connection type is available.

# M12

Field attachable / wireable connectors

- Degree of protection IP 67
- 3P, 4P, 5P, 8P, 12Pin are available
- Operating voltage: 300V-DC/ 250V-AC/ 60V/ 30V
- Current rating: 1.5A-4A
- PA+GF Housing / Metal shell
- Anti-vibration locking screw design



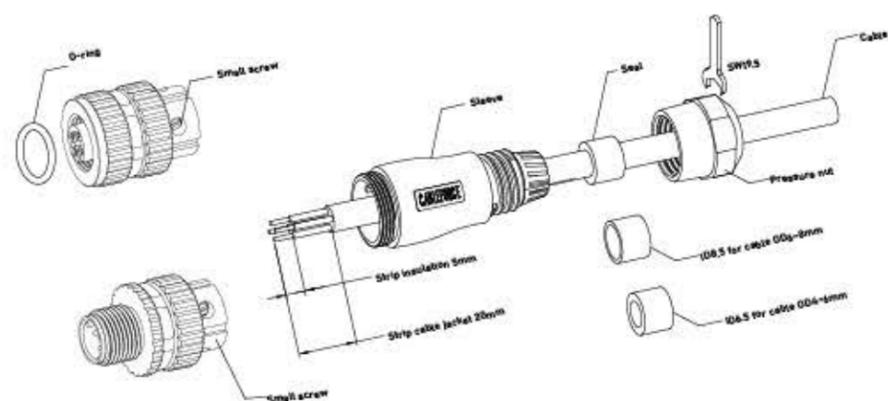
M12 Male/ Female, Field Wireable Connector, Brass Screw



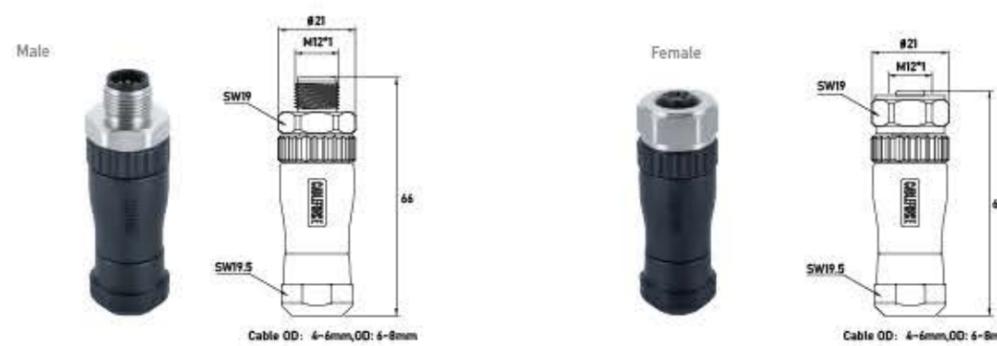
Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm , Wire screw : 0.2Nm, Cable gland: 0.4-1.0Nm			
Termination	Screw fixing			
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)	
Cable outlet	Pg7 (4-6mm) , PG9 (6-8mm)			
Rated temperature	-25 °C ... +90 °C, -40 °C ... +125 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤ 5mΩ			
Connector body	PA66 + GF			
Contact carrier	PA66 + GF			
Screw nut	Brass			
Contact	Male: Brass ; Female: Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / NBR			
Protection degree	IP67			
Pollution degree	3			

Poles	Male		Female	
	PG7 (4-6mm)	PG9 (6-8mm)	PG7 (4-6mm)	PG9 (6-8mm)
3 Pin	EPIC MC03A1LWAB-P7 7433506963	EPIC MC03A1LWAB-P9 7433506964	EPIC MC03A2LWAB-P7 7433506971	EPIC MC03A2LWAB-P9 7433506972
	EPIC MC04A1LWAB-P7 7433506965	EPIC MC04A1LWAB-P9 7433506966	EPIC MC04A2LWAB-P7 7433506973	EPIC MC04A2LWAB-P9 7433506974
5 Pin	EPIC MC05A1LWAB-P7 7433506967	EPIC MC05A1LWAB-P9 7433506968	EPIC MC05A2LWAB-P7 7433506975	EPIC MC05A2LWAB-P9 7433506976
	EPIC MC08A1LWAB-P7 7433506969	EPIC MC08A1LWAB-P9 7433506970	EPIC MC08A2LWAB-P7 7433506977	EPIC MC08A2LWAB-P9 7433506978

Assembly Instruction



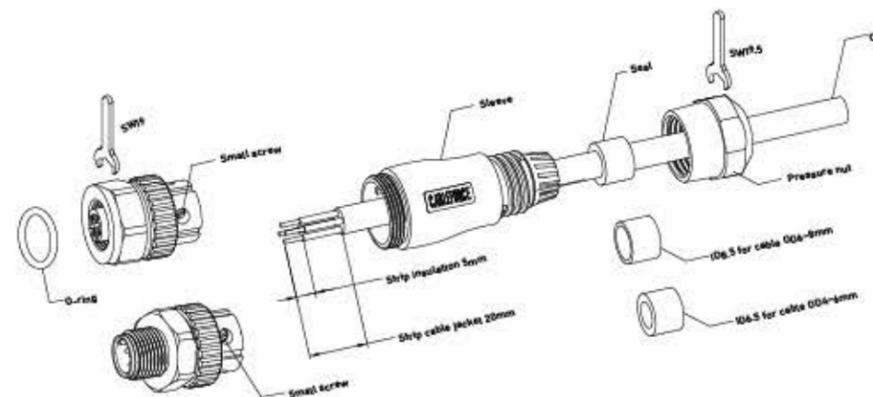
M12 Field Wireable Connector, SUS 316# Stainless Steel Screw



Connector Technical data				
Contacts No.	3Pin	4Pin	5Pin	8Pin
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A		2A	
Rated voltage	250V		60V	30V
Impulse voltage	2500V		1500V	800V
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm , Wire screw : 0.2Nm, Cable gland: 0.4-1.0Nm			
Termination	Screw fixing			
Wire gauge	0.34mm <sup>2</sup> (AWG 22)		0.25mm <sup>2</sup> (AWG 24)	
Cable outlet	PG7 (4-6mm) , PG9 (6-8mm)			
Rated temperature	-25 °C ... +90 °C, -40 °C ... +125 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤ 5mΩ			
Connector body	PA66 + GF			
Contact carrier	PA66 + GF			
Screw nut	SUS 316# Stainless Steel			
Contact	Male: Brass ; Female: Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / NBR			
Protection degree	IP67			
Pollution degree	3			

Poles	Male		Female	
	PG7 (4-6mm)	PG9 (6-8mm)	PG7 (4-6mm)	PG9 (6-8mm)
3 Pin	EPIC MC03A1LWASH-P7 7433506979	EPIC MC03A1LWASH-P9 7433506980	EPIC MC03A2LWASH-P7 7433506987	EPIC MC03A2LWASH-P9 7433506988
	EPIC MC04A1LWASH-P7 7433506981	EPIC MC04A1LWASH-P9 7433506982	EPIC MC04A2LWASH-P7 7433506989	EPIC MC04A2LWASH-P9 7433506990
5 Pin	EPIC MC05A1LWASH-P7 7433506983	EPIC MC05A1LWASH-P9 7433506984	EPIC MC05A2LWASH-P7 7433506991	EPIC MC05A2LWASH-P9 7433506992
	EPIC MC08A1LWASH-P7 7433506985	EPIC MC08A1LWASH-P9 7433506986	EPIC MC08A2LWASH-P7 7433506993	EPIC MC08A2LWASH-P9 7433506994

Assembly Instruction





M12 Field Wire-able Connector, Right Angled, Screw Termination



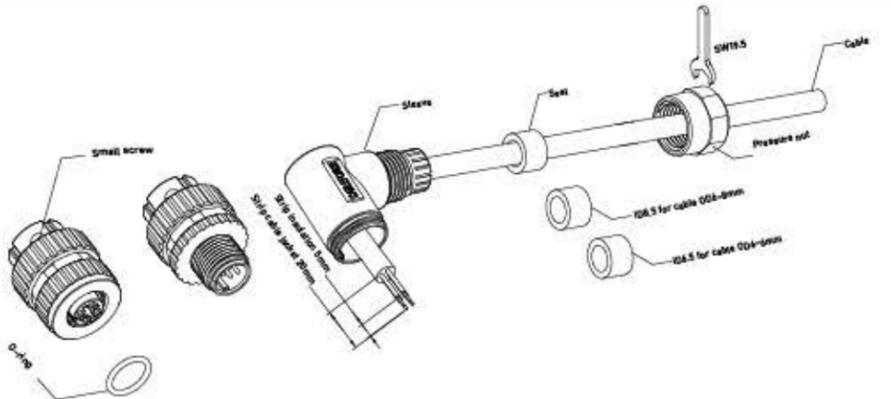
Connector Technical data

Contacts No.	3Pin A-coding	4Pin A-coding	4Pin D-coding	5Pin A-coding	8Pin A-coding
Front View					
Reference standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V				30V
Impulse voltage	2500V				800V
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.4Nm , Max : 0.8Nm, Wire screw : 0.2Nm , Cable gland : 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm <sup>2</sup> (AWG22~26)				
Cable outlet	PG7 (4-6mm), PG9 (5-8mm)				
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	PA6				
Contacts carrier	PA6				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Male: Brass, Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

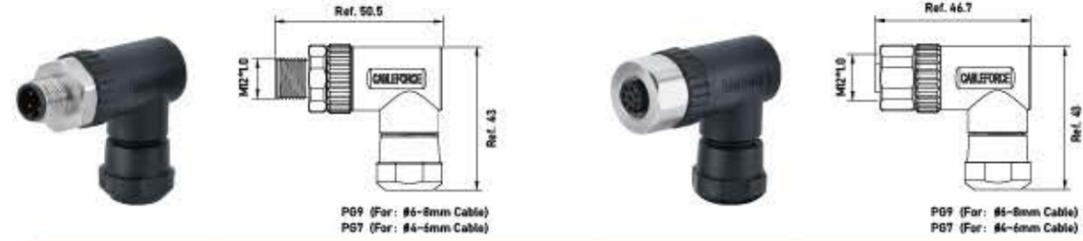
Ordering No.

Poles	Male			Female	
	PG7 (4-6mm)	PG9 (5-8mm)	PG7 (4-6mm)	PG9 (5-8mm)	
3Pin A-Coding	EPIC MC03A1RWAB-P7	EPIC MC03A1RWAB-P9	EPIC MC03A2RWAB-P7	EPIC MC03A2RWAB-P9	
	7433507035	7433507036	7433507045	7433507046	
4Pin A-Coding	EPIC MC04A1RWAB-P7	EPIC MC04A1RWAB-P9	EPIC MC04A2RWAB-P7	EPIC MC04A2RWAB-P9	
	7433507037	7433507038	7433507047	7433507048	
4Pin D-Coding	EPIC MC04A1RWDB-P7	EPIC MC04A1RWDB-P9	EPIC MC04A2RWDB-P7	EPIC MC04A2RWDB-P9	
	7433507039	7433507040	7433507049	7433507050	
5Pin A-Coding	EPIC MC05A1RWAB-P7	EPIC MC05A1RWAB-P9	EPIC MC05A2RWAB-P7	EPIC MC05A2RWAB-P9	
	7433507041	7433507042	7433507051	7433507052	
8Pin A-Coding	EPIC MC08A1RWAB-P7	EPIC MC08A1RWAB-P9	EPIC MC08A2RWAB-P7	EPIC MC08A2RWAB-P9	
	7433507043	7433507044	7433507053	7433507054	

Assembly Instruction



M12 Field Wire-able Connector, Right Angled, Screw Termination, Stainless Steel



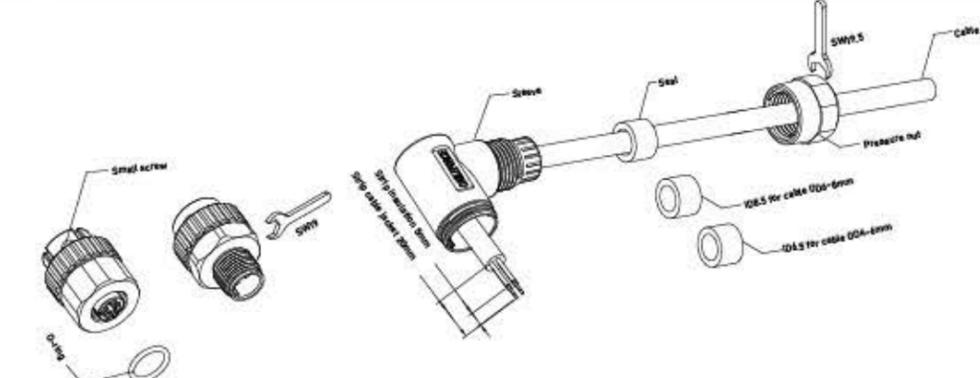
Connector Technical data

Contacts No.	3Pin A-coding	4Pin A-coding	4Pin D-coding	5Pin A-coding	8Pin A-coding
Front View					
Reference standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V				30V
Impulse voltage	2500V				800V
Locking system	M12 x 1.0mm screw				
Tightening torque	Recommended : 0.4Nm , Max: 0.8Nm, Wire screw : 0.2Nm , Cable gland : 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm <sup>2</sup> (AWG22~26)				
Cable outlet	PG7 (4-6mm), PG9 (5-8mm)				
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Connector body	PA6				
Contacts carrier	PA6				
Screw nut	SUS 316 # Stainless Steel				
Contacts	Male: Brass , Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Shielded				

Ordering No.

Poles	Male			Female	
	PG7 (4-6mm)	PG9 (5-8mm)	PG7 (4-6mm)	PG9 (5-8mm)	
3Pin A-Coding	EPIC MC03A1RWASH-P7	EPIC MC03A1RWASH-P9	EPIC MC03A2RWASH-P7	EPIC MC03A2RWASH-P9	
	7433507055	7433507056	7433507065	7433507066	
4Pin A-Coding	EPIC MC04A1RWASH-P7	EPIC MC04A1RWASH-P9	EPIC MC04A2RWASH-P7	EPIC MC04A2RWASH-P9	
	7433507057	7433507058	7433507067	7433507068	
4Pin D-Coding	EPIC MC04A1RWDSH-P7	EPIC MC04A1RWDSH-P9	EPIC MC04A2RWDSH-P7	EPIC MC04A2RWDSH-P9	
	7433507059	7433507060	7433507069	7433507070	
5Pin A-Coding	EPIC MC05A1RWASH-P7	EPIC MC05A1RWASH-P9	EPIC MC05A2RWASH-P7	EPIC MC05A2RWASH-P9	
	7433507061	7433507062	7433507071	7433507072	
8Pin A-Coding	EPIC MC08A1RWASH-P7	EPIC MC08A1RWASH-P9	EPIC MC08A2RWASH-P7	EPIC MC08A2RWASH-P9	
	7433507063	7433507064	7433507073	7433507074	

Assembly Instruction

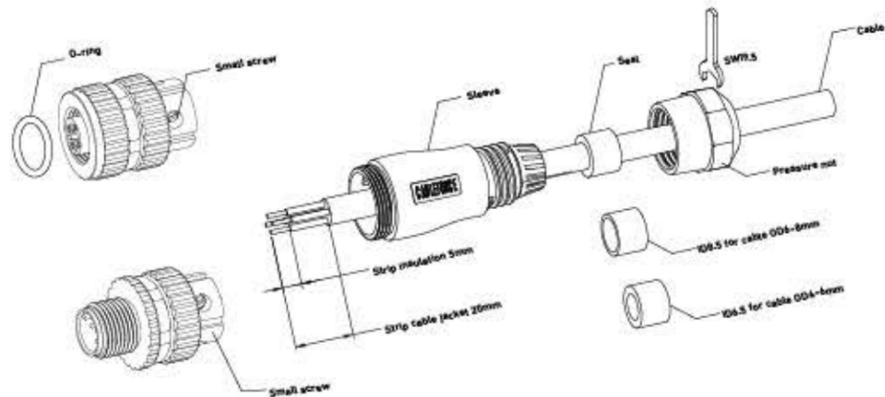


M12 Male, Field Wireable Connector, Plastic screw



Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V		60V		30V
Impulse voltage	2500V		1500V		800V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm , Wire screw : 0.2Nm, Cable gland: 0.4-1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)
Cable outlet	PG7 (4-6mm) , PG9 (6-8mm)				
Rated temperature	-25 °C ... +90 °C , -40 °C ... +125 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Connector body	PA66 + GF				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Male: Brass ; Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / NBR				
Protection degree	IP67				
Pollution degree	3				
Ordering No.					
Poles	Male				
3 Pin	PG7 (4-6mm)	EPIC MC03A1LWAP-P7	PG9 (6-8mm)	EPIC MC03A1LWAP-P9	
		7433507075		7433507076	
4 Pin	PG7 (4-6mm)	EPIC MC04A1LWAP-P7	PG9 (6-8mm)	EPIC MC04A1LWAP-P9	
		7433507077		7433507078	
5 Pin	PG7 (4-6mm)	EPIC MC05A1LWAP-P7	PG9 (6-8mm)	EPIC MC05A1LWAP-P9	
		7433507079		7433507080	
8 Pin	PG7 (4-6mm)	EPIC MC08A1LWAP-P7	PG9 (6-8mm)	EPIC MC08A1LWAP-P9	
		7433507081		7433507082	

Assembly Instruction

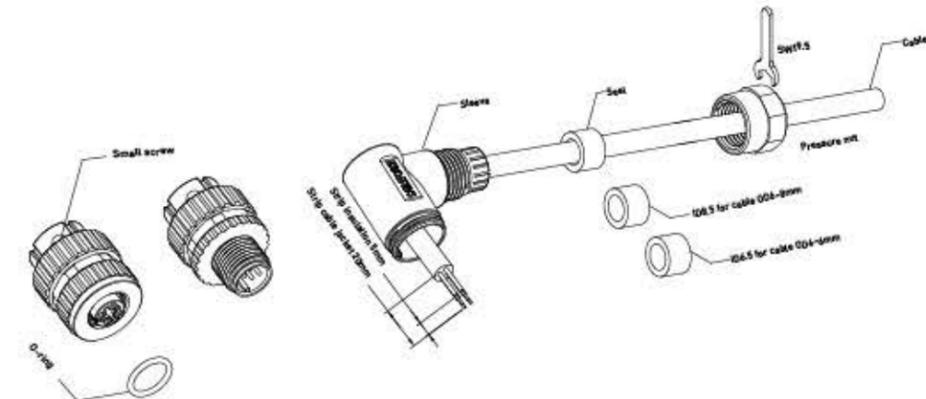


M12 Male, Field Wireable Connector, Right Angled, Screw Termination, Plastic screw

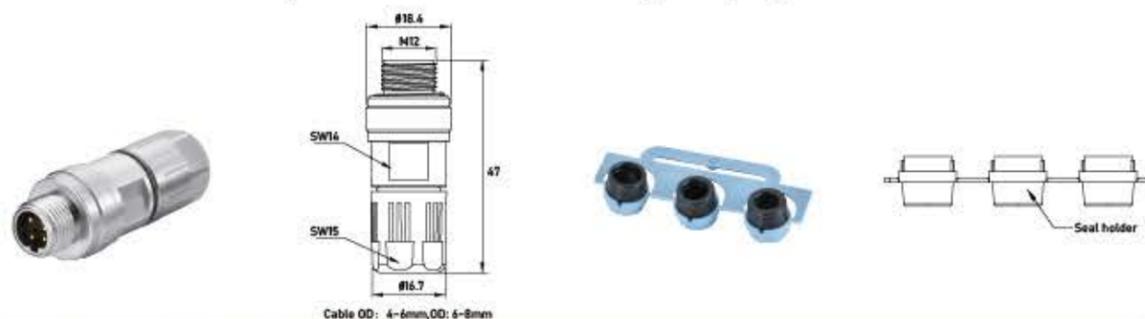


Connector Technical data					
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin
Front View					
Reference Standard	IEC 61076-2-101				
Rated current	4A				2A
Rated voltage	250V		60V		30V
Impulse voltage	2500V		1500V		800V
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm , Wire screw : 0.2Nm, Cable gland: 0.4-1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)
Cable outlet	PG7 (4-6mm) , PG9 (6-8mm)				
Rated temperature	-25 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Connector body	PA66 + GF				
Contact carrier	PA66 + GF				
Screw nut	PA66 + GF				
Contact	Brass				
Contacts plating	Au (Gold)				
O-ring	FKM / NBR				
Protection degree	IP67				
Pollution degree	3				
Ordering No.					
Poles	Male				
3 Pin	PG7 (4-6mm)	EPIC MC03A1RWAP-P7	PG9 (6-8mm)	EPIC MC03A1RWAP-P9	
		7433507095		7433507096	
4 Pin	PG7 (4-6mm)	EPIC MC04A1RWAP-P7	PG9 (6-8mm)	EPIC MC04A1RWAP-P9	
		7433507097		7433507098	
5 Pin	PG7 (4-6mm)	EPIC MC05A1RWAP-P7	PG9 (6-8mm)	EPIC MC05A1RWAP-P9	
		7433507099		7433507100	
8 Pin	PG7 (4-6mm)	EPIC MC08A1RWAP-P7	PG9 (6-8mm)	EPIC MC08A1RWAP-P9	
		7433507101		7433507102	

Assembly Instruction



M12 D-Code 4Pin Male, Field wireable connector, Crimping termination



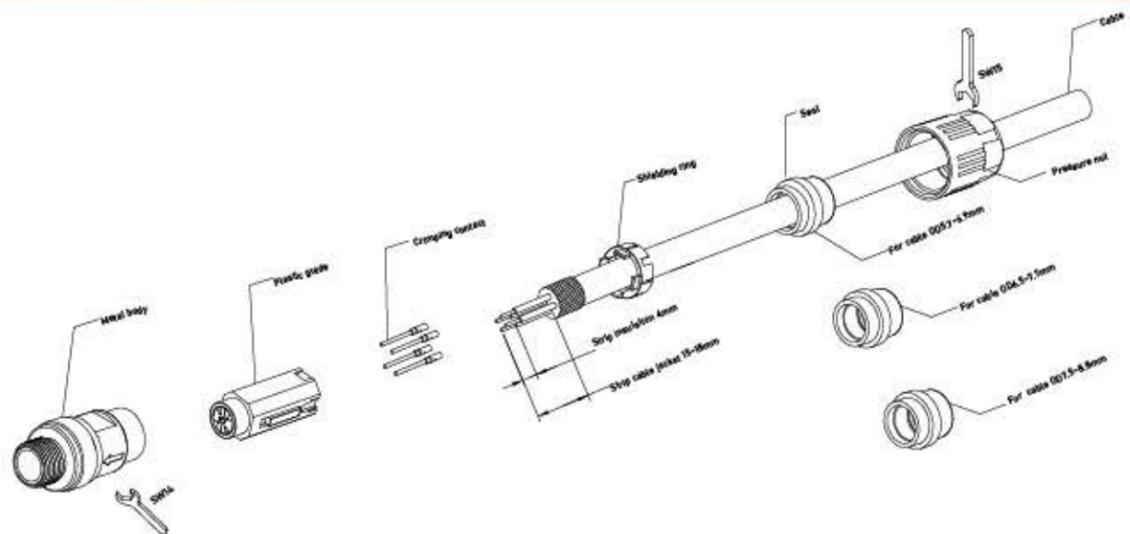
Connector Technical data

Contacts No.	4Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended : 0.6 Nm , Max: 1.0 Nm
Termination	Crimping
Wire gauge	0.34~0.14mm <sup>2</sup> (22~26AWG)
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

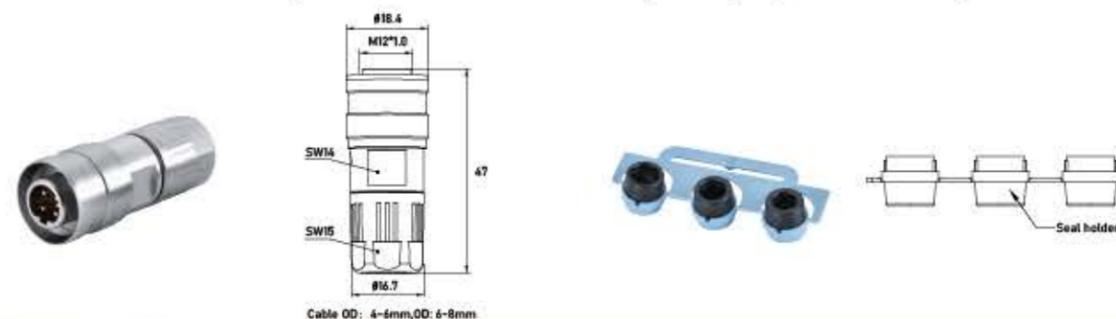
Ordering No.

Poles	Male
4 Pin	EPIC MC04A1LCDSB 7433507115

Assembly Instruction



M12 D-Code 4Pin Male, Field wireable connector, Crimping termination, Push-Pull



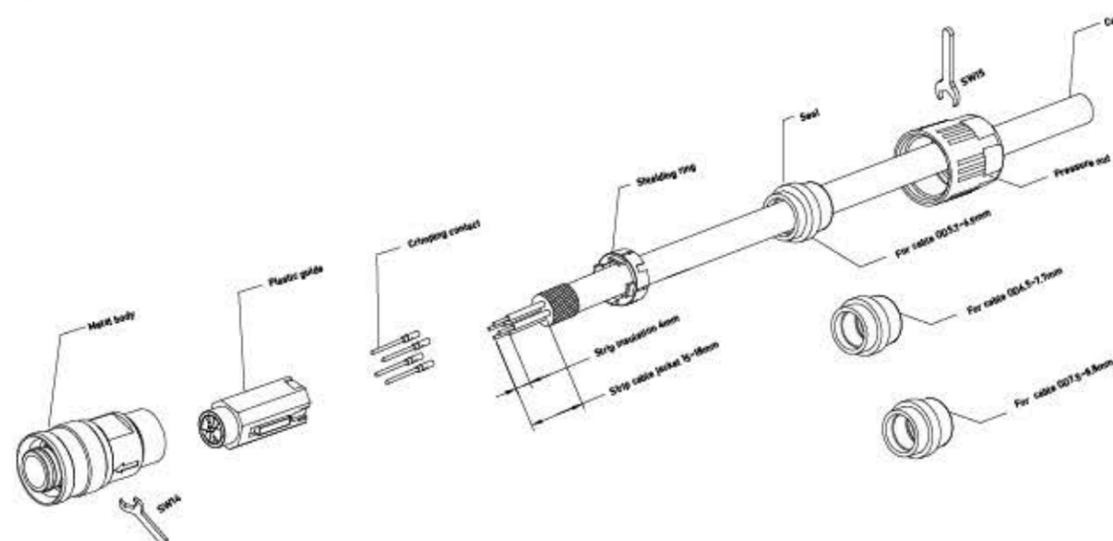
Connector Technical data

Contacts No.	4Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	4A
Rated voltage	250V
Impulse voltage	2500V
Locking system	Push-Pull
Tightening torque	N/A
Termination	Crimping
Wire gauge	0.34~0.14mm <sup>2</sup> (22~26AWG)
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

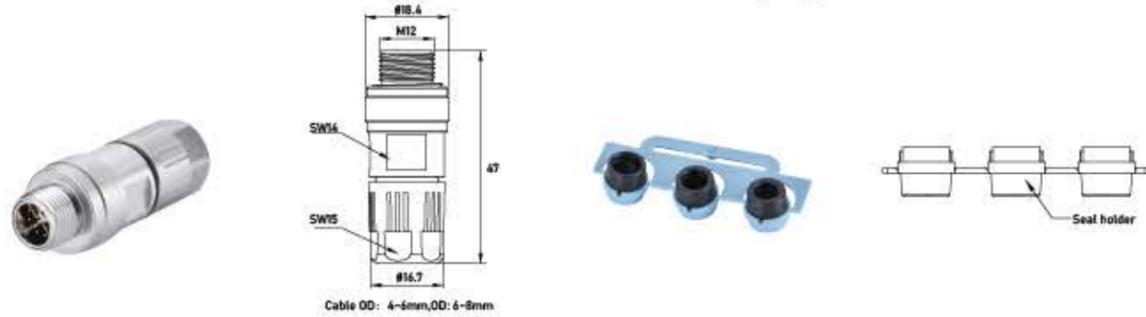
Ordering No.

Poles	Male
4 Pin	EPIC MC04A1LCDSBP 7433507116

Assembly Instruction



M12 X-Code 8Pin Male, Field wireable connector, Crimping termination



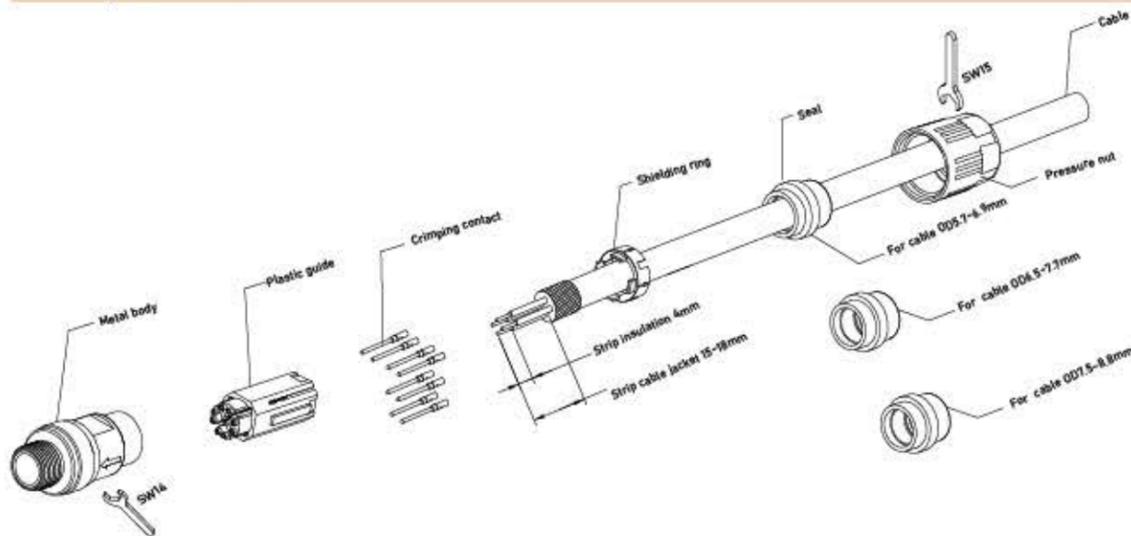
Connector Technical data

Contacts No.	8Pin
Front View	
Reference standard	IEC 61076-2-101
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	M12 x 1.0mm screw
Tightening torque	Recommended : 0.6 Nm , Max: 1.0 Nm
Termination	Crimping
Wire gauge	0.14mm <sup>2</sup> (26AWG)
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

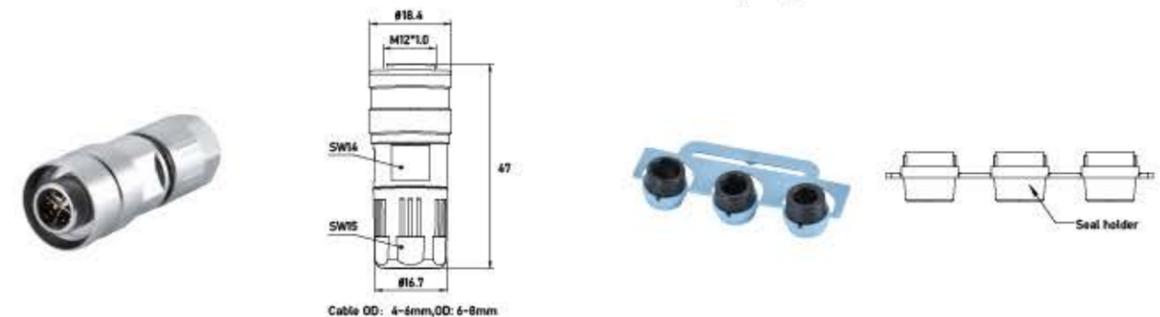
Ordering No.

Poles	Male
8 Pin	EPIC MC08A1LCXSB 7433507117

Assembly Instruction



M12 X-Code 8Pin Male, Field wireable connector, Crimping termination, Push-Pull



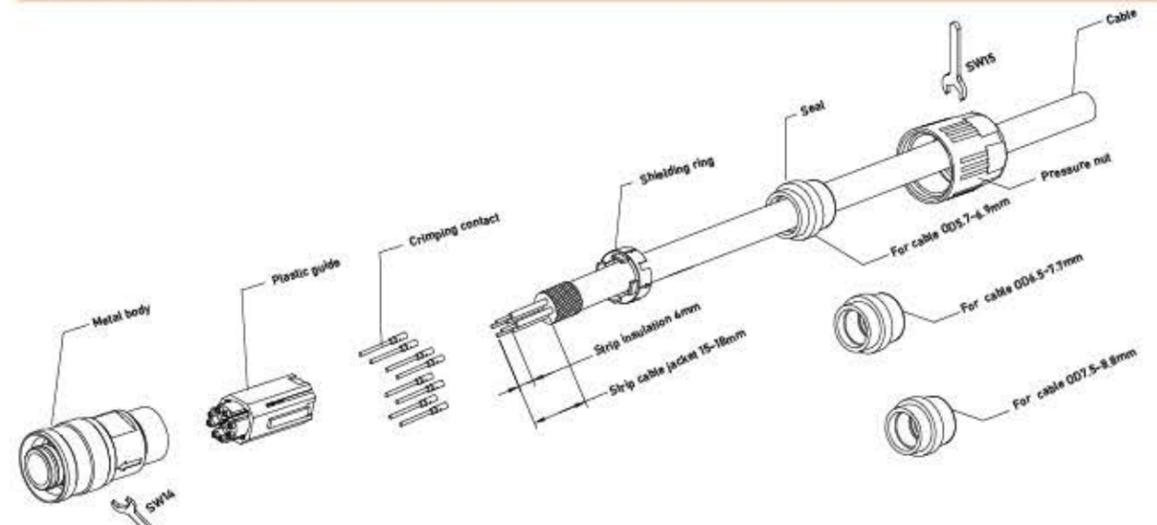
Connector Technical data

Contacts No.	8Pin
Front View	
Reference standard	IEC 61076-2-109
Rated current	0.5A
Rated voltage	50V
Impulse voltage	800V
Locking system	Push-Pull
Tightening torque	N/A
Termination	Crimping
Wire gauge	0.14mm <sup>2</sup> (26AWG)
Rated temperature	Flexible: -25 ~ 80°C ; Static: -40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 5mΩ
Contacts carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contacts	Phosphor bronze
Contacts plating	Au (Gold)
O-Ring	FKM / Silicon
Protection degree	IP67
Pollution degree	3
EMC Shielding	Shielded

Ordering No.

Poles	Male
8 Pin	EPIC MC08A1LCXSBP 7433507118

Assembly Instruction



# M12 T-Adapter & Y-Splitters

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



The M12 Adapter and Splitters splits wires into 2 to 5 separate connectors, allowing installation of more single-channel input or output devices to each port of devices. Connectors are available with parallel circuits, which allow input or output signals to run on trigger devices simultaneously, designed for Devicenet, CAN Bus, Profibus, NMEA 2000 cabling.

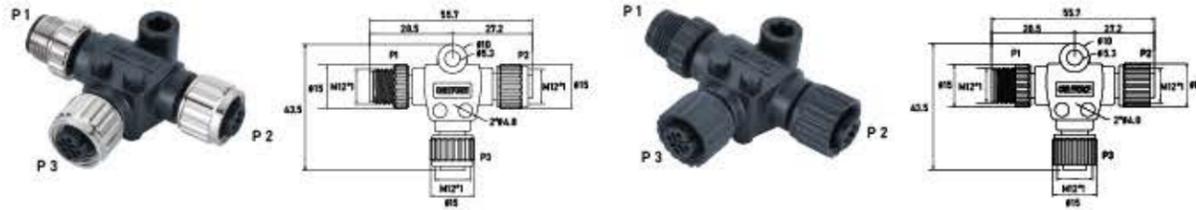


## M12 T-Adapter & Y-Splitters

- 3P, 4P, 5P, 8Pin are available
- Operating voltage: 250V, 60V,
- Rated current: 4A, 2A
- Temperature range: -40°C ~ + 80°C
- Protection degree IP67

# M12 T-Connector

## M12 T-Connector, Male to Female x 2



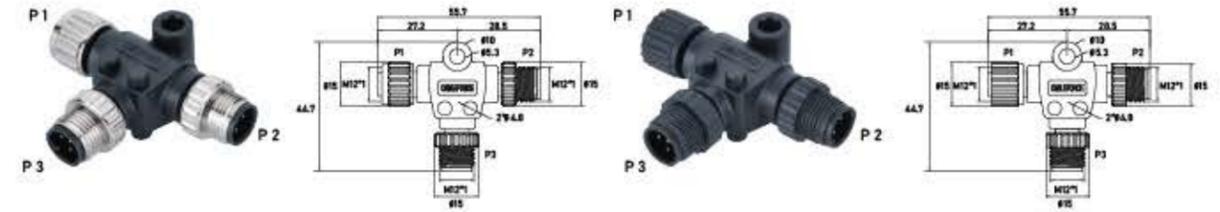
Connector Technical data								
Contact No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code		
P1 Front View								
P2 Front View								
P3 Front View								
Reference Standard	IEC 61076-2-101							
Rated current	4A			2A				
Rated voltage	250V			50V				
Impulse voltage	2500V			1500V				
Locking system	M12 x 1.0 screw							
Tightening Torque	Recommend : 0.4Nm, Max : 0.5Nm							
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C							
Insulation resistance	≥100MΩ							
Contact resistance	≤5mΩ							
Connector body	TPU							
Contact carrier	TPU + GF							
Screw nut	Brass / Nylon plastic							
Contact	Brass Phosphor bronze							
Contact plating	Au (Gold)							
O-Ring	PDM / Silicon O-Ring							
Protection degree	IP67							
Pollution degree	3							
<b>Ordering No.</b>								
Coding	Metal Screw			Plastic Screw				
A-Code	3 Pin EPIC MC00T-4MFFAB 7433507221	4 Pin EPIC MC04T-4MFFAB 7433507222	5 Pin EPIC MC05T-4MFFAB 7433507224	6 Pin EPIC MC06T-4MFFAB 7433507226	3 Pin EPIC MC00T-4MFFAP 7433507227	4 Pin EPIC MC04T-4MFFAP 7433507228	5 Pin EPIC MC05T-4MFFAP 7433507229	6 Pin EPIC MC06T-4MFFAP 7433507231
B-Code	EPIC MC05T-4MFFBB 7433507225			EPIC MC05T-4MFFBP 7433507230			EPIC MC05T-4MFFBP 7433507241	
D-Code	EPIC MC04T-4MFFDSB (Shielded) 7433507223							
<b>Wiring Diagram</b>								

Wiring Diagram



# M12 T-Connector

## M12 T-Connector, Female to Male x 2



Connector Technical data								
Contact No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code		
P1 Front View								
P2 Front View								
P3 Front View								
Reference Standard	IEC 61076-2-101							
Rated current	4A			2A				
Rated voltage	250V			50V				
Impulse voltage	2500V			1500V				
Locking system	M12 x 1.0 screw							
Tightening Torque	Recommend : 0.4Nm, Max : 0.5Nm							
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C							
Insulation resistance	≥100MΩ							
Contact resistance	≤5mΩ							
Connector body	TPU							
Contact carrier	TPU + GF							
Screw nut	Brass / Nylon plastic							
Contact	Brass / Phosphor bronze							
Contact plating	Au (Gold)							
O-Ring	PDM / Silicon O-Ring							
Protection degree	IP67							
Pollution degree	3							
<b>Ordering No.</b>								
Coding	Metal Screw			Plastic Screw				
A-Code	3 Pin EPIC MC00T-FMMAB 7433507232	4 Pin EPIC MC04T-FMMAB 7433507233	5 Pin EPIC MC05T-FMMAB 7433507235	6 Pin EPIC MC06T-FMMAB 7433507237	3 Pin EPIC MC00T-FMMAP 7433507238	4 Pin EPIC MC04T-FMMAP 7433507239	5 Pin EPIC MC05T-FMMAP 7433507240	6 Pin EPIC MC06T-FMMAP 7433507242
B-Code	EPIC MC05T-FMMBB 7433507236			EPIC MC05T-FMMBP 7433507238			EPIC MC05T-FMMBP 7433507241	
D-Code	EPIC MC04T-FMMD5B (Shielded) 7433507234							
<b>Wiring Diagram</b>								

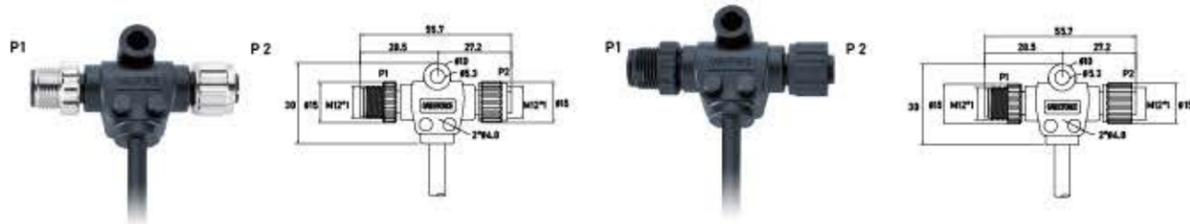
Wiring Diagram



# M12 Power-Tap

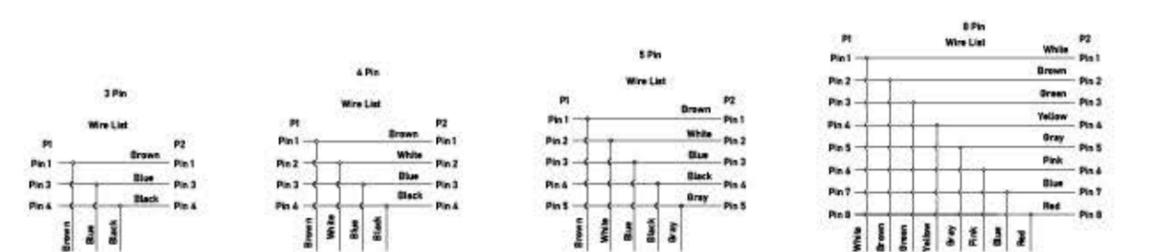


## M12 Power-Tap, Male to Female, Molded Cable



Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code
P1 Front View						
P2 Front View						
Reference Standard	IEC 61076-3-101					
Rated current	4A			2A		
Rated voltage	250V			30V		
Impulse voltage	2500V			1500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend : 0.4Nm, Max : 0.6Nm					
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass ; Phosphor bronze					
Contact plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					
Ordering No.						
Coding	Metal Screw				Plastic Screw	
	3 Pin	4 Pin	5 Pin	6 Pin	3 Pin	4 Pin
A-Code	EPIC MC03T6-CMFAB 7433507243	EPIC MC04T6-CMFAB 7433507244	EPIC MC05T6-CMFAB 7433507246	EPIC MC06T6-CMFAB 7433507248	EPIC MC03T6-CMFAP 7433507249	EPIC MC04T6-CMFAP 7433507250
B-Code			EPIC MC05T6-CMFBF 7433507247		EPIC MC05T6-CMFBP 7433507252	EPIC MC06T6-CMFAP 7433507253
D-Code		EPIC MC04T6-CMFD08 (Shielded) 7433507245				

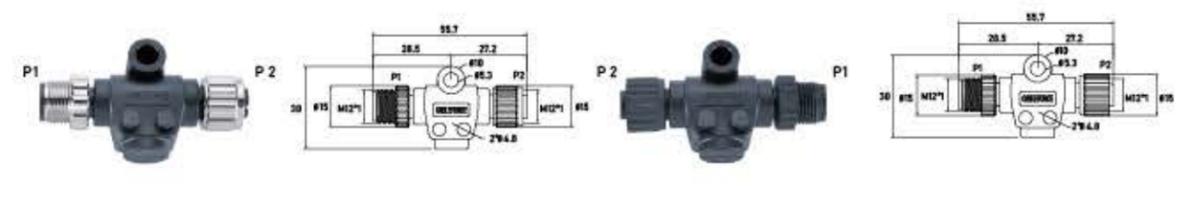
### Wiring Diagram



# M12 I-Adapter

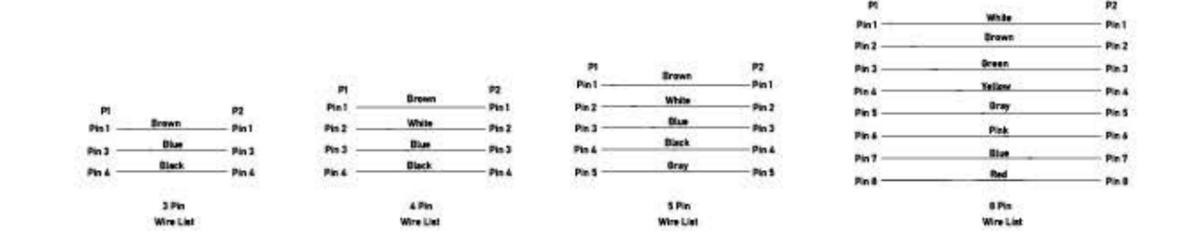


## M12 Terminator, Male to Female

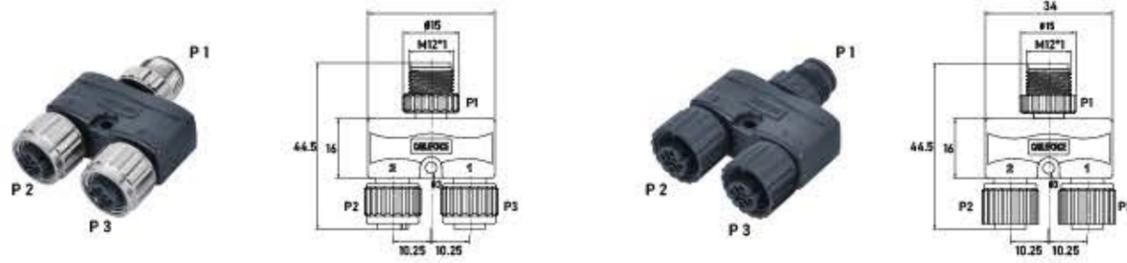


Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code
P1 Front View						
P2 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A			2A		
Rated voltage	250V			30V		
Impulse voltage	2500V			1500V		
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.6Nm					
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated / PA66 + GF					
Contact	Brass ; Phosphor bronze					
Contact plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					
Ordering No.						
Coding	Metal Screw				Plastic Screw	
	3 Pin	4 Pin	5 Pin	6 Pin	3 Pin	4 Pin
A-Code	EPIC MC03TLAB 7433507254	EPIC MC04TLAB 7433507255	EPIC MC05TLAB 7433507257	EPIC MC06TLAB 7433507259	EPIC MC03TLAP 7433507260	EPIC MC04TLAP 7433507261
B-Code			EPIC MC05TLBB 7433507258			EPIC MC05TLBP 7433507263
D-Code		EPIC MC04TLDSB (Shielded) 7433507256				

### Wiring Diagram



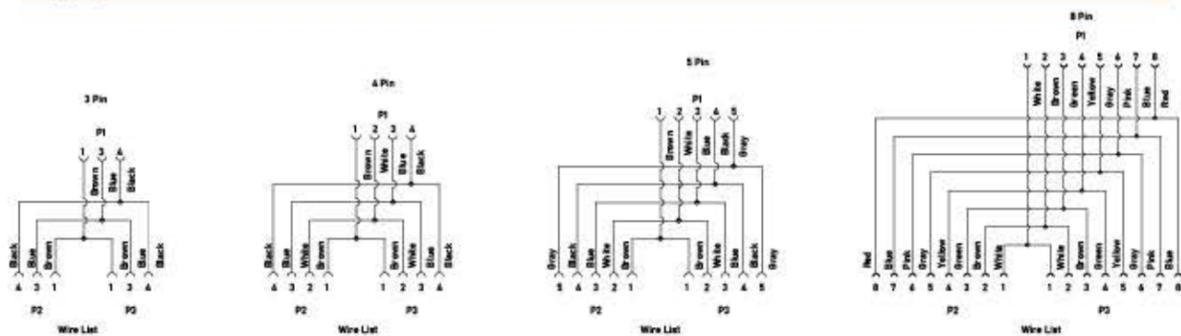
M12 Y-Splitter, Male to Female x 2



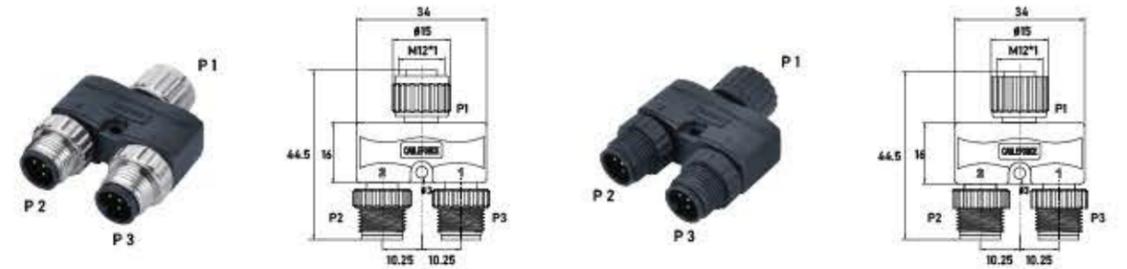
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61075-2-101					
Rated current	4A			2A		
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +90 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass / Nylon plastic					
Contact	Brass; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					

Ordering No.	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC05Y-MFFAB 7433507265	EPIC MC04Y-MFFAB 7433507266	EPIC MC05Y-MFFAB 7433507268	EPIC MC05Y-MFFAB 7433507270	EPIC MC05Y-MFFAP 7433507271	EPIC MC04Y-MFFAP 7433507272	EPIC MC05Y-MFFAP 7433507273	EPIC MC08Y-MFFAP 7433507275
B-Code			EPIC MC05Y-MFFBB 7433507269			EPIC MC05Y-MFFBP 7433507274		
D-Code	EPIC MC04Y-MFFD8B (Shielded) 7433507267							

Wiring Diagram



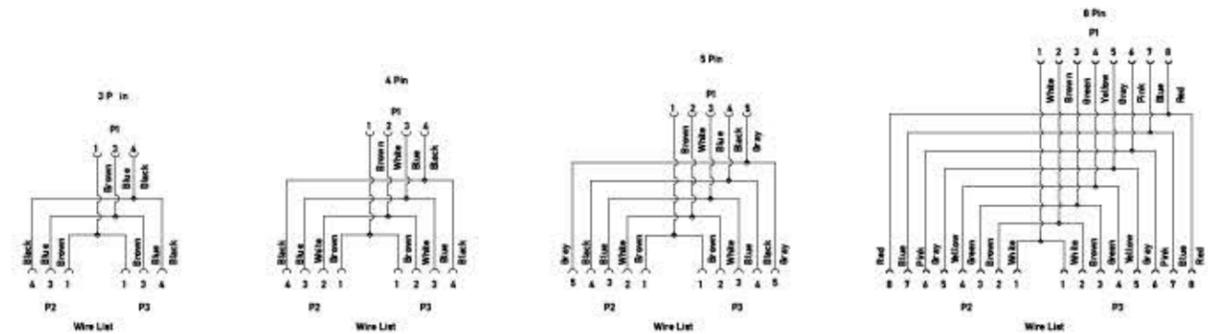
M12 Y-Splitter, Female to Male x 2



Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61075-2-101					
Rated current	4A			2A		
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Rated temperature	Flexible -25 °C ... +90 °C, Static -40 °C ... +90 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Connector body	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass / Nylon plastic					
Contact	Brass; Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					

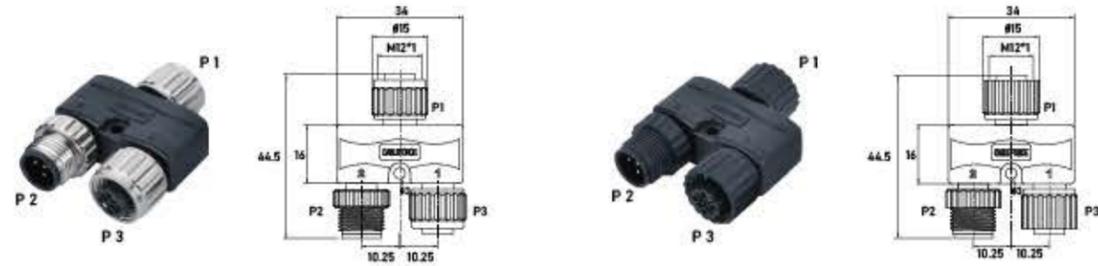
Ordering No.	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC05Y-FMMAB 7433507276	EPIC MC04Y-FMMAB 7433507277	EPIC MC05Y-FMMAB 7433507279	EPIC MC08Y-FMMAB 7433507281	EPIC MC05Y-FMMAP 7433507282	EPIC MC04Y-FMMAP 7433507283	EPIC MC05Y-FMMAP 7433507284	EPIC MC08Y-FMMAP 7433507286
B-Code			EPIC MC05Y-FMMBB 7433507280				EPIC MC05Y-FMMBP 7433507285	
D-Code	EPIC MC04Y-FMMD8B (Shielded) 7433507278							

Wiring Diagram



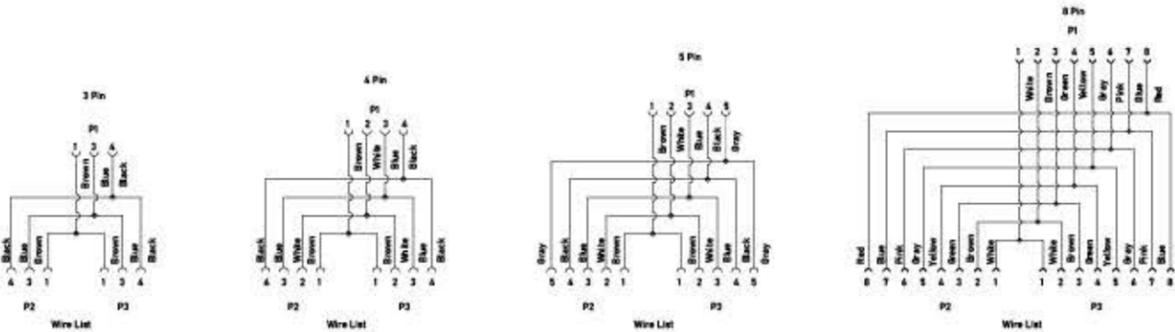
# M12 Y-Splitter

## M12 Y-Splitter, Female to Male/ Female



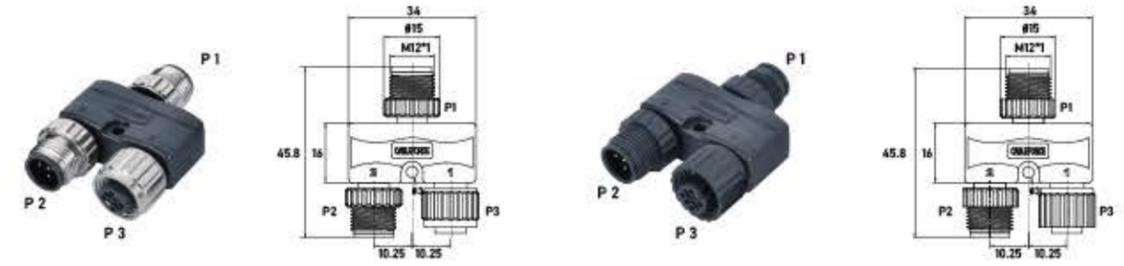
Connector Technical data							
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code	
P1 Front View							
P2 Front View							
P3 Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A			
Rated voltage	250V			30V			
Impulse voltage	2500V			800V			
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Connector body	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass / Nylon plastic						
Contact	Brass ; Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						
Ordering No.							
Coding	Metal Screw				Plastic Screw		
	3 Pin	4 Pin	5 Pin	5 Pin	3 Pin	4 Pin	
A-Code	EPIC MC03Y-FMFAB 7433507287	EPIC MC04Y-FMFAB 7433507288	EPIC MC05Y-FMFAB 7433507290	EPIC MC08Y-FMFAB 7433507292	EPIC MC03Y-FMFAP 7433507293	EPIC MC04Y-FMFAP 7433507294	EPIC MC05Y-FMFAP 7433507295
B-Code			EPIC MC05Y-FMFBB 7433507291			EPIC MC05Y-FMFBP 7433507296	7433507297
D-Code		EPIC MC04Y-FMFD5B (Shielded) 7433507289					

### Wiring Diagram



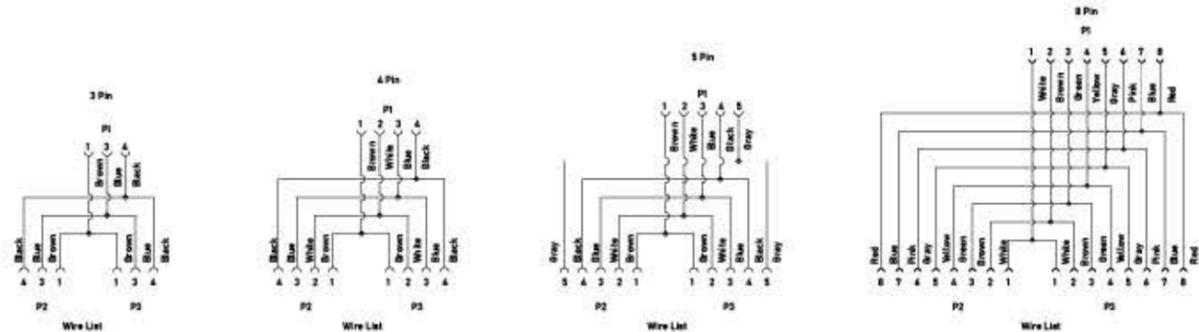
# M12 Y-Splitter

## M12 Y-Splitter, Male to Male/ Female

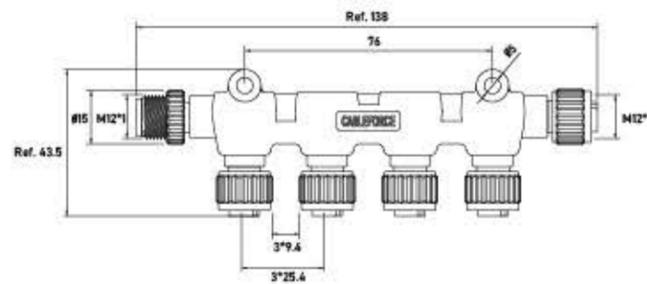


Connector Technical data							
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	6Pin A-Code	
P1 Front View							
P2 Front View							
P3 Front View							
Reference Standard	IEC 61076-2-101						
Rated current	4A			2A			
Rated voltage	250V			30V			
Impulse voltage	2500V			800V			
Locking system	M12 x 1.0 screw						
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm						
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C						
Insulation resistance	≥100MΩ						
Contact resistance	≤5mΩ						
Connector body	TPU						
Contact carrier	TPU + GF						
Screw nut	Brass / Nylon plastic						
Contact	Brass ; Phosphor bronze						
Contacts plating	Au (Gold)						
O-ring	FKM / Silicon O-Ring						
Protection degree	IP67						
Pollution degree	3						
Ordering No.							
Coding	Metal Screw				Plastic Screw		
	3 Pin	4 Pin	5 Pin	5 Pin	3 Pin	4 Pin	
A-Code	EPIC MC03Y-MMFAB 7433507298	EPIC MC04Y-MMFAB 7433507299	EPIC MC05Y-MMFAB 7433507301	EPIC MC08Y-MMFAB 7433507305	EPIC MC03Y-MMFAP 7433507304	EPIC MC04Y-MMFAP 7433507305	EPIC MC05Y-MMFAP 7433507306
B-Code			EPIC MC05Y-MMFBB 7433507302			EPIC MC05Y-MMFBP 7433507307	7433507308
D-Code		EPIC MC04Y-MMFD5B (Shielded) 7433507300					

### Wiring Diagram



# M12 4 Way T-Connector M12 5Pin 4 Way T-Connector

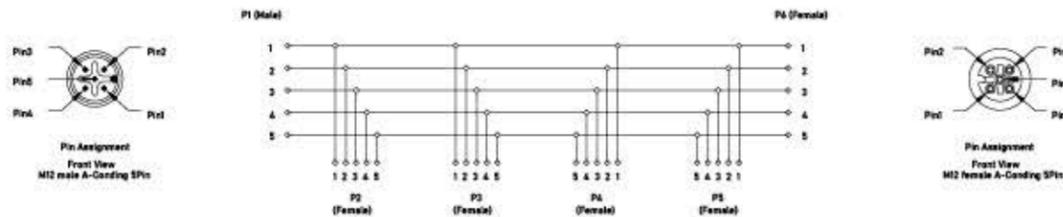


Connector Technical data					
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code
Front View					
Reference Standard	IEC 61075-2-101				
Rated current	4A				
Rated voltage	250V				
Impulse voltage	2500V				
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Connector body	TPU				
Contact carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Brass ; Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

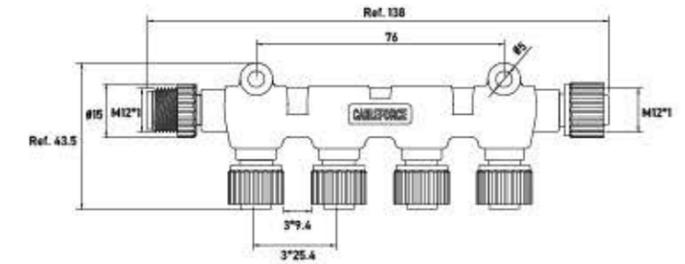
  

Ordering No.						
Coding	Metal Screw				Plastic Screw	
	3 Pin	4 Pin	5 Pin	5 Pin	3 Pin	4 Pin
A-Code	EPIC MC03T5-AB 7433507300	EPIC MC04T5-AB 7433507310	EPIC MC05T5-AB 7433507312	EPIC MC08T5-AB 7433507314	EPIC MC03T5-ASB 7433507315	EPIC MC04T5-ASB 7433507316
B-Code			EPIC MC05T5-ABB 7433507315			EPIC MC05T5-ASBB 7433507319
D-Code		EPIC MC04T5-DB 7433507311			EPIC MC04T5-DSB 7433507317	

### Wiring Diagram



# M12 4 Way T-Connector M12 5Pin 4 Way T-Connector, Plastic

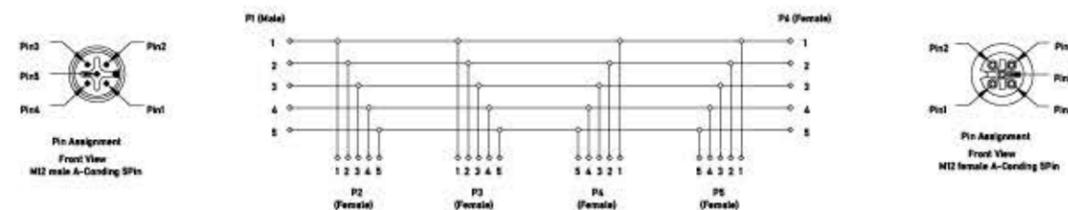


Connector Technical data					
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code
Front View					
Reference Standard	IEC 61075-2-101				
Rated current	4A				
Rated voltage	250V				
Impulse voltage	2500V				
Locking system	M12 x 1.0 screw				
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm				
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤5mΩ				
Connector body	TPU				
Contact carrier	TPU + GF				
Screw nut	PA66 + GF				
Contact	Brass ; Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

Ordering No.				
Coding	Un-Shielded			
	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T5-AP 7433507321	EPIC MC04T5-AP 7433507322	EPIC MC05T5-AP 7433507324	EPIC MC08T5-AP 7433507325
B-Code			EPIC MC05T5-BP 7433507325	
D-Code		EPIC MC04T5-DP 7433507323		

### Wiring Diagram



# M16 Circular connectors

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



M16 circular connectors designed for both signal and power application. Its metal shielded body is highly resistant to harsh condition industrial environment. offers M16 cable assembly, M16 field wireable connector, and panel mount connectors with solder cups.

# M16

## Circular connectors

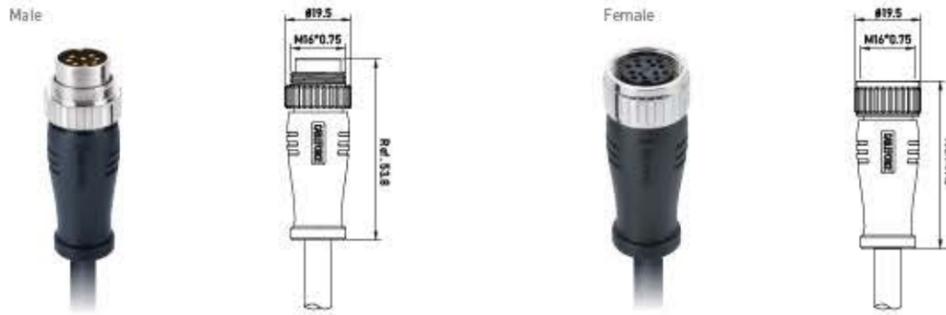
- Degree of protection IP 67
- 2P, 3P, 4P, 5P, 6P, 7P, 8P, 9P, 12P are available
- Operating voltage: 630V, 300V, 250V
- Current rating: 20A, 16A, 12A, 8A, 4A
- Metal Shieldede Housing



# M16 Connector



M16 male/ female, single ended, straight, molded cable, EMI-Shielded



Connector Technical data								
Contacts No.	5Pin A	5Pin B	6Pin	7Pin B	8Pin	12Pin	14Pin A	19Pin
Front View								
Reference standard	IEC 61076-2-106							
Rated current	8A				4A		1.5A	
Rated voltage	300V				125V		60V	
Impulse voltage	1500V		800V		1500V		800V	
Locking system	M16 x 1.0mm screw							
Tightening torque	Recommended: 1.0 Nm, Max: 1.2 Nm							
Termination	Soldering							
Wire gauge	0.75mm <sup>2</sup> (18AWG)				0.34mm <sup>2</sup> (22AWG)		0.14mm <sup>2</sup> (26AWG)	
Rated temperature	Flexible: -25 ~ 80°C, Static: -40 ~ 80°C							
Insulation resistance	> 100MΩ							
Contact resistance	< 5mΩ							
Over-molding	TPU							
Contacts carrier	PA66 + GF							
Screw nut	Brass, CNC, nickel-plated							
Contacts	Male: Brass, PE Pin: Phosphor bronze							
Contacts plating	Au (Gold)							
O-Ring	FKM / Silicon							
Protection degree	IP67							
Pollution degree	3							
EMC Shielding	Shielded							

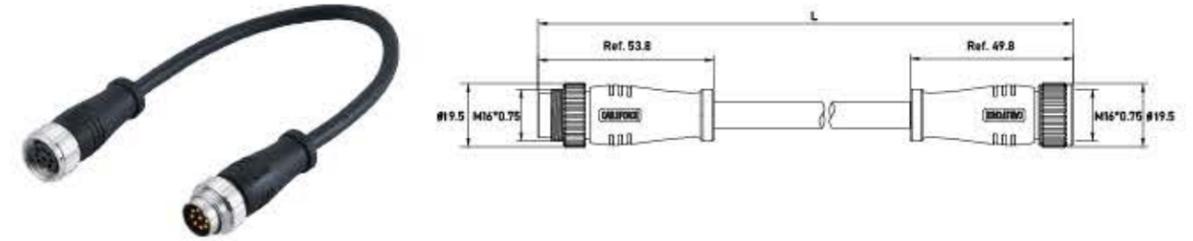
Ordering No.									
Poles	Cable length	Male				Female			
		PVC (Cable)		PUR (Cable)		PVC (Cable)		PUR (Cable)	
5 Pin a	1.0m	EPIC MD05aC3LSASB-16CK10	T433504028	EPIC MD05aC3LSASB-16RK10	T433504030	EPIC MD05aC3LSASB-16CK10	T433504076	EPIC MD05aC3LSASB-16RK10	T433504078
	3.0m	EPIC MD05aC3LSASB-16CK30	T433504029	EPIC MD05aC3LSASB-16RK30	T433504031	EPIC MD05aC3LSASB-16CK30	T433504077	EPIC MD05aC3LSASB-16RK30	T433504079
5 Pin b	1.0m	EPIC MD05bC3LSASB-16CK10	T433504032	EPIC MD05bC3LSASB-16RK10	T433504034	EPIC MD05bC3LSASB-16CK10	T433504080	EPIC MD05bC3LSASB-16RK10	T433504082
	3.0m	EPIC MD05bC3LSASB-16CK30	T433504033	EPIC MD05bC3LSASB-16RK30	T433504035	EPIC MD05bC3LSASB-16CK30	T433504081	EPIC MD05bC3LSASB-16RK30	T433504083
6 Pin	1.0m	EPIC MD06C3LSASB-16CK10	T433504036	EPIC MD06C3LSASB-16RK10	T433504038	EPIC MD06C3LSASB-16CK10	T433504084	EPIC MD06C3LSASB-16RK10	T433504086
	3.0m	EPIC MD06C3LSASB-16CK30	T433504037	EPIC MD06C3LSASB-16RK30	T433504039	EPIC MD06C3LSASB-16CK30	T433504085	EPIC MD06C3LSASB-16RK30	T433504087
7 Pin b	1.0m	EPIC MD07bC3LSASB-16CK10	T433504044	EPIC MD07bC3LSASB-16RK10	T433504046	EPIC MD07bC3LSASB-16CK10	T433504092	EPIC MD07bC3LSASB-16RK10	T433504094
	3.0m	EPIC MD07bC3LSASB-16CK30	T433504045	EPIC MD07bC3LSASB-16RK30	T433504047	EPIC MD07bC3LSASB-16CK30	T433504093	EPIC MD07bC3LSASB-16RK30	T433504095
8 Pin	1.0m	EPIC MD08C3LSASB-16CK10	T433504048	EPIC MD08C3LSASB-16RK10	T433504050	EPIC MD08C3LSASB-16CK10	T433504096	EPIC MD08C3LSASB-16RK10	T433504098
	3.0m	EPIC MD08C3LSASB-16CK30	T433504049	EPIC MD08C3LSASB-16RK30	T433504051	EPIC MD08C3LSASB-16CK30	T433504097	EPIC MD08C3LSASB-16RK30	T433504099
12 Pin	1.0m	EPIC MD12C3LSASB-22CK10	T433504052	EPIC MD12C3LSASB-22RK10	T433504054	EPIC MD12C3LSASB-22CK10	T433504100	EPIC MD12C3LSASB-22RK10	T433504102
	3.0m	EPIC MD12C3LSASB-22CK30	T433504053	EPIC MD12C3LSASB-22RK30	T433504055	EPIC MD12C3LSASB-22CK30	T433504101	EPIC MD12C3LSASB-22RK30	T433504103
14 Pin a	1.0m	EPIC MD14aC3LSASB-22CK10	T433504056	EPIC MD14aC3LSASB-22RK10	T433504058	EPIC MD14aC3LSASB-22CK10	T433504104	EPIC MD14aC3LSASB-22RK10	T433504106
	3.0m	EPIC MD14aC3LSASB-22CK30	T433504057	EPIC MD14aC3LSASB-22RK30	T433504059	EPIC MD14aC3LSASB-22CK30	T433504105	EPIC MD14aC3LSASB-22RK30	T433504107
19 Pin	1.0m	EPIC MD19C3LSASB-26CK10	T433504064	EPIC MD19C3LSASB-26RK10	T433504066	EPIC MD19C3LSASB-26CK10	T433504112	EPIC MD19C3LSASB-26RK10	T433504114
	3.0m	EPIC MD19C3LSASB-26CK30	T433504065	EPIC MD19C3LSASB-26RK30	T433504067	EPIC MD19C3LSASB-26CK30	T433504113	EPIC MD19C3LSASB-26RK30	T433504115



# M16 Connector



M16 male/ female, double ended, molded cable, EMI-Shielded



Connector Technical data								
Contacts No.	5Pin A	5Pin B	6Pin	7Pin B	8Pin	12Pin	14Pin A	19Pin
Front View								
Reference standard	IEC 61076-2-106							
Rated current	8A				4A		1.5A	
Rated voltage	300V				125V		60V	
Impulse voltage	1500V		800V		1500V		800V	
Locking system	M16 x 1.0mm screw							
Tightening torque	Recommended: 1.0 Nm, Max: 1.2 Nm							
Termination	Soldering							
Wire gauge	0.75mm <sup>2</sup> (18AWG)				0.34mm <sup>2</sup> (22AWG)		0.14mm <sup>2</sup> (26AWG)	
Rated temperature	-40 °C .. +105 °C, -25 °C .. +80 °C							
Insulation resistance	≥ 100MΩ							
Contact resistance	≤ 5mΩ							
Over-molding	TPU							
Contacts carrier	PA66 + GF							
Screw nut	Brass, CNC, nickel-plated							
Contacts	Brass							
Contacts plating	Au (Gold)							
O-Ring	FKM / NBR							
Protection degree	IP67							
Pollution degree	3							

Ordering No.					
Poles	Cable length	PVC (Cable)			PUR (Cable)
		5 Pin a	1.0m	EPIC MD05aC3LSASB-16CK10	T433504220
	3.0m	EPIC MD05aC3LSASB-16CK30	T433504221	EPIC MD05aC3LSASB-16RK30	T433504223
5 Pin b	1.0m	EPIC MD05bC3LSASB-16CK10	T433504224	EPIC MD05bC3LSASB-16RK10	T433504226
	3.0m	EPIC MD05bC3LSASB-16CK30	T433504225	EPIC MD05bC3LSASB-16RK30	T433504227
6 Pin	1.0m	EPIC MD06C3LSASB-16CK10	T433504228	EPIC MD06C3LSASB-16RK10	T433504230
	3.0m	EPIC MD06C3LSASB-16CK30	T433504229	EPIC MD06C3LSASB-16RK30	T433504231
7 Pin b	1.0m	EPIC MD07bC3LSASB-16CK10	T433504236	EPIC MD07bC3LSASB-16RK10	T433504238
	3.0m	EPIC MD07bC3LSASB-16CK30	T433504237	EPIC MD07bC3LSASB-16RK30	T433504239
8 Pin	1.0m	EPIC MD08C3LSASB-16CK10	T433504240	EPIC MD08C3LSASB-16RK10	T433504242
	3.0m	EPIC MD08C3LSASB-16CK30	T433504241	EPIC MD08C3LSASB-16RK30	T433504243
12 Pin	1.0m	EPIC MD12C3LSASB-22CK10	T433504244	EPIC MD12C3LSASB-22RK10	T433504246
	3.0m	EPIC MD12C3LSASB-22CK30	T433504245	EPIC MD12C3LSASB-22RK30	T433504247
14 Pin a	1.0m	EPIC MD14aC3LSASB-22CK10	T433504248	EPIC MD14aC3LSASB-22RK10	T433504250
	3.0m	EPIC MD14aC3LSASB-22CK30	T433504249	EPIC MD14aC3LSASB-22RK30	T433504251
19 Pin	1.0m	EPIC MD19C3LSASB-26CK10	T433504256	EPIC MD19C3LSASB-26RK10	T433504258
	3.0m	EPIC MD19C3LSASB-26CK30	T433504257	EPIC MD19C3LSASB-26RK30	T433504259





M16 female panel connector, front/ rear mount, PCB Contacts



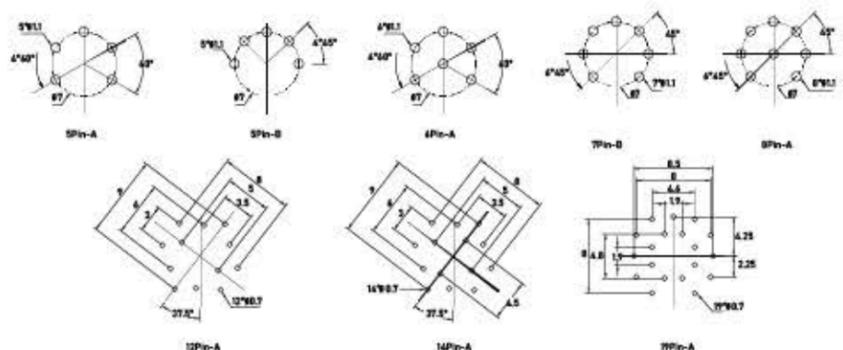
Connector Technical data

Contacts No.	5Pin A	5Pin B	6Pin	7Pin B	8Pin	12Pin	14Pin A	19Pin
Front View								
Reference Standard	IEC 61076-2-106							
Rated current	8A				4A		1.5A	
Rated voltage	300V		125V		60V		30V	
Impulse voltage	1500V	800V	1500V	800V				
Locking system	M16 x 1.0mm screw							
Tightening Torque	Recommended: 1.2 Nm, Max: 1.5 Nm							
Termination	PCB Dip Soldering							
Rated temperature	-25 °C ... +70 °C							
Insulation resistance	≥100MΩ							
Contact resistance	≤ 5mΩ							
Contact carrier	PA66 + GF							
Screw nut	Brass, CNC, nickel-plated							
Contact	Brass							
Contacts plating	Au (Gold)							
O-ring	FKM / Silicon							
Protection degree	IP67							
Pollution degree	3							

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	Ordering No.	Ordering No.	Ordering No.	Ordering No.
5 Pin a	EPIC MD05aP2LPAB	7433506811	EPIC MD05aP4LPAB	7433506812
5 Pin b	EPIC MD05bP2LPBB	7433506813	EPIC MD05bP4LPBB	7433506814
6 Pin	EPIC MD06P2LPAB	7433506815	EPIC MD06P4LPAB	7433506816
7 Pin b	EPIC MD07bP2LPBB	7433506819	EPIC MD07bP4LPBB	7433506820
8 Pin	EPIC MD08P2LPAB	7433506821	EPIC MD08P4LPAB	7433506822
12 Pin	EPIC MD12P2LPAB	74335703	EPIC MD12P4LPAB	74335704
14 Pin a	EPIC MD14aP2LPAB	7433506823	EPIC MD14aP4LPAB	7433506824
19 Pin	EPIC MD19P2LPAB	7433506827	EPIC MD19P4LPAB	7433506828

PCB Layout Reference



M16 male panel connector, front/ rear mount, with solder cups



Connector Technical data

Contacts No.	5Pin A	5Pin B	6Pin	7Pin B	8Pin	12Pin	14Pin A	19Pin
Front View								
Reference Standard	IEC 61076-2-106							
Rated current	8A				4A		1.5A	
Rated voltage	300V		125V		60V		30V	
Impulse voltage	1500V	800V	1500V	800V				
Locking system	M16 x 1.0mm screw							
Tightening Torque	Recommended: 1.2 Nm, Max: 1.5 Nm							
Termination	Soldering							
Rated temperature	-25 °C ... +70 °C							
Insulation resistance	≥100MΩ							
Contact resistance	≤ 5mΩ							
Contact carrier	PA66 + GF							
Screw nut	Brass, CNC, nickel-plated							
Contact	Brass							
Contacts plating	Au (Gold)							
O-ring	FKM / Silicon							
Protection degree	IP67							
Pollution degree	3							

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	Ordering No.	Ordering No.	Ordering No.	Ordering No.
5 Pin a	EPIC MD05aP1LSAB	7433506833	EPIC MD05aP3LSAB	7433506834
5 Pin b	EPIC MD05bP1LSBB	7433506835	EPIC MD05bP3LSBB	7433506836
6 Pin	EPIC MD06P1LSAB	7433506837	EPIC MD06P3LSAB	7433506838
7 Pin b	EPIC MD07bP1LSBB	7433506841	EPIC MD07bP3LSBB	7433506842
8 Pin	EPIC MD08P1LSAB	7433506843	EPIC MD08P3LSAB	7433506844
12 Pin	EPIC MD12P1LSAB	74335705	EPIC MD12P3LSAB	74335706
14 Pin a	EPIC MD14aP1LSAB	7433506845	EPIC MD14aP3LSAB	7433506846
19 Pin	EPIC MD19P1LSAB	7433506849	EPIC MD19P3LSAB	7433506850

M16 female panel connector, front/ rear mount, with solder cups



Connector Technical data

Contacts No.	5Pin A	5Pin B	6Pin	7Pin B	8Pin	12Pin	14Pin A	19Pin
Front View								
Reference Standard	IEC 61076-2-106							
Rated current	8A				4A		1.5A	
Rated voltage	300V				125V		60V	
Impulse voltage	1500V	800V	1500V	800V				
Locking system	M16 x 1.0mm screw							
Tightening Torque	Recommended: 1.2 Nm, Max: 1.5 Nm							
Termination	Soldering							
Rated temperature	-25 °C ... +70 °C							
Insulation resistance	≥100MΩ							
Contact resistance	≤5mΩ							
Contact carrier	PA66 + GF							
Screw nut	Brass, CNC, nickel-plated							
Contact	Brass							
Contacts plating	Au (Gold)							
O-ring	FKM/ Silicon							
Protection degree	IP67							
Pollution degree	3							

Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	Ordering No.	Ordering No.	Ordering No.	Ordering No.
5 Pin a	EPIC MD05aP2LSAB	7433506855	EPIC MD05aP4LSAB	7433506856
5 Pin b	EPIC MD05bP2LSBB	7433506857	EPIC MD05bP4LSBB	7433506858
6 Pin	EPIC MD06P2LSAB	7433506859	EPIC MD06P4LSAB	7433506860
7 Pin b	EPIC MD07bP2LSBB	7433506863	EPIC MD07bP4LSBB	7433506864
8 Pin	EPIC MD08P2LSAB	7433506865	EPIC MD08P4LSAB	7433506866
12 Pin	EPIC MD12P2LSAB	74335707	EPIC MD12P4LSAB	74335708
14 Pin a	EPIC MD14aP2LSAB	7433506867	EPIC MD14aP4SAB	7433506868
19 Pin	EPIC MD19P2LSAB	7433506871	EPIC MD19P4LSAB	7433506872

# 7/8" Mini-change Circular cable connectors

## Mini-Change

Waterproof Connectors, Highly Tailor-made Cable Solution. !  
[www.lapp.com](http://www.lapp.com)



The 7/8" Mini-change IP 67 connectors are mating-compatible with industry mini-change connectors and designed for both signal and electricity current application. offers 7/8" over molded cables, 7/8" Field wireable connectors and 7/8" panel mount receptacles.



# 7/8"

## Mini-change Circular cable connectors Mini-Change

- Degree of protection IP 67
- 3P, 4P, 5P are available
- TPU over molded or plastic shell
- Custom cable specification, PUR and PVC cable options
- Operating voltage 300V
- Current rating: 8A-13A

## 7/8" Connector, Molded Cable



7/8" Mini-Change male connectors, molded cable, free end.



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A			
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Cable length	Male Straight		Male Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02C1LCAB16CK20 7433504260	EPIC MF02C1LCAB16RK20 7433504262	EPIC MF02C1RCAB16CK20 7433504276	EPIC MF02C1RCAB16RK20 7433504278
	5 m	EPIC MF02C1LCAB16CK50 7433504261	EPIC MF02C1LCAB16RK50 7433504263	EPIC MF02C1RCAB16CK50 7433504277	EPIC MF02C1RCAB16RK50 7433504279
3 Pin	2 m	EPIC MF03C1LCAB16CK20 7433504264	EPIC MF03C1LCAB16RK20 7433504266	EPIC MF03C1RCAB16CK20 7433504280	EPIC MF03C1RCAB16RK20 7433504282
	5 m	EPIC MF03C1LCAB16CK50 7433504265	EPIC MF03C1LCAB16RK50 7433504267	EPIC MF03C1RCAB16CK50 7433504281	EPIC MF03C1RCAB16RK50 7433504283
4 Pin	2 m	EPIC MF04C1LCAB16CK20 7433504268	EPIC MF04C1LCAB16RK20 7433504270	EPIC MF04C1RCAB16CK20 7433504284	EPIC MF04C1RCAB16RK20 7433504286
	5 m	EPIC MF04C1LCAB16CK50 7433504269	EPIC MF04C1LCAB16RK50 7433504271	EPIC MF04C1RCAB16CK50 7433504285	EPIC MF04C1RCAB16RK50 7433504287
5 Pin	2 m	EPIC MF05C1LCAB16CK20 7433504272	EPIC MF05C1LCAB16RK20 7433504274	EPIC MF05C1RCAB16CK20 7433504288	EPIC MF05C1RCAB16RK20 7433504290
	5 m	EPIC MF05C1LCAB16CK50 7433504273	EPIC MF05C1LCAB16RK50 7433504275	EPIC MF05C1RCAB16CK50 7433504289	EPIC MF05C1RCAB16RK50 7433504291

### Wires' Color Coding

Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/IGN	YE/IGN	YE/IGN
Pin 4			BK	BK
Pin 5				GY

## 7/8" Connector, Molded Cable



7/8" Mini-Change female connectors, molded cable, free end.



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A			
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

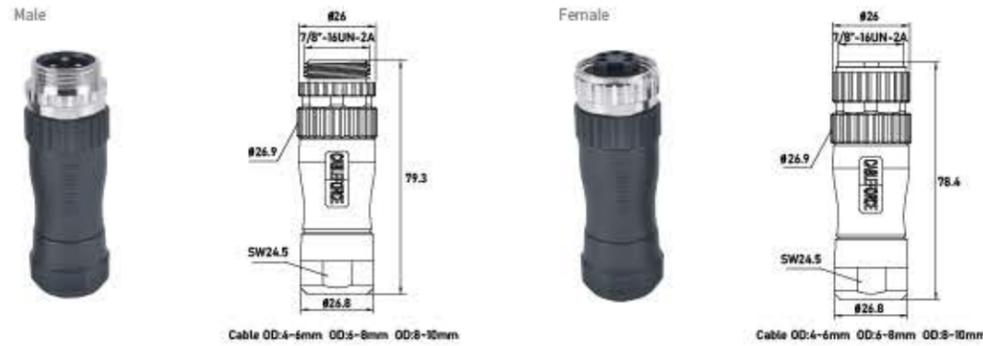
Poles	Cable length	Female Straight		Female Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
2 Pin	2 m	EPIC MF02C2LCAB16CK20 7433504292	EPIC MF02C2RCAB16RK20 7433504294	EPIC MF02C2RCAB16CK20 7433504308	EPIC MF02C2RCAB16RK20 7433504310
	5 m	EPIC MF02C2LCAB16CK50 7433504293	EPIC MF02C2RCAB16RK50 7433504295	EPIC MF02C2RCAB16CK50 7433504309	EPIC MF02C2RCAB16RK50 7433504311
3 Pin	2 m	EPIC MF03C2LCAB16CK20 7433504296	EPIC MF03C2RCAB16RK20 7433504298	EPIC MF03C2RCAB16CK20 7433504312	EPIC MF03C2RCAB16RK20 7433504314
	5 m	EPIC MF03C2LCAB16CK50 7433504297	EPIC MF03C2RCAB16RK50 7433504299	EPIC MF03C2RCAB16CK50 7433504313	EPIC MF03C2RCAB16RK50 7433504315
4 Pin	2 m	EPIC MF04C2LCAB16CK20 7433504300	EPIC MF04C2RCAB16RK20 7433504302	EPIC MF04C2RCAB16CK20 7433504316	EPIC MF04C2RCAB16RK20 7433504318
	5 m	EPIC MF04C2LCAB16CK50 7433504301	EPIC MF04C2RCAB16RK50 7433504303	EPIC MF04C2RCAB16CK50 7433504317	EPIC MF04C2RCAB16RK50 7433504319
5 Pin	2 m	EPIC MF05C2LCAB16CK20 7433504304	EPIC MF05C2RCAB16RK20 7433504306	EPIC MF05C2RCAB16CK20 7433504320	EPIC MF05C2RCAB16RK20 7433504322
	5 m	EPIC MF05C2LCAB16CK50 7433504305	EPIC MF05C2RCAB16RK50 7433504307	EPIC MF05C2RCAB16CK50 7433504321	EPIC MF05C2RCAB16RK50 7433504323

### Assembly Instruction

Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/IGN	YE/IGN	YE/IGN
Pin 4			BK	BK
Pin 5				GY



7/8" Mini-Change Connector, Field Wire-able, Screw Termination



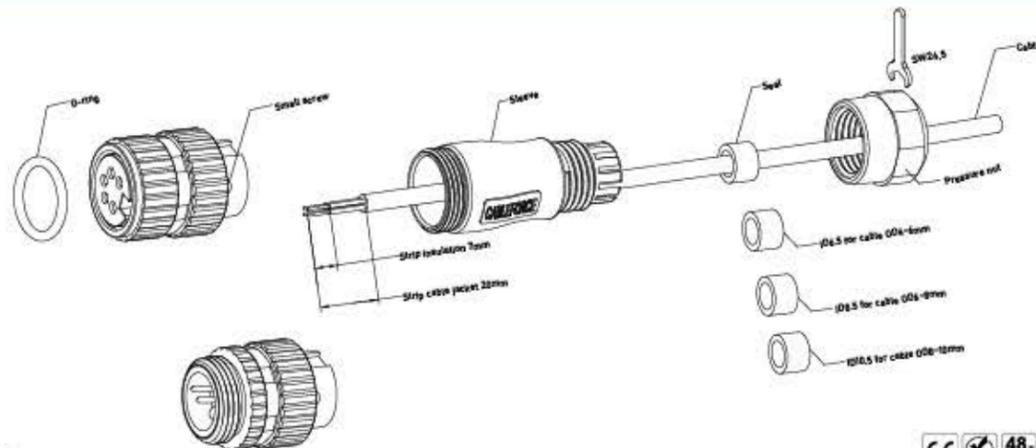
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin
Front View			
Rated current	13A, 8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm , Wire screw : 0.4Nm, Cable gland: 0.8~1.5Nm		
Termination	Screw Fixing		
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)		
Rated temperature	Flexible -25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

Ordering No.

Poles	Male		Female	
	Part No.	Part No.	Part No.	Part No.
3 Pin	EPIC MF03A1LWAB-P7	7433507163	EPIC MF03A2LWAB-P7	7433507172
	EPIC MF03A1LWAB-P9	7433507164	EPIC MF03A2LWAB-P9	7433507173
	EPIC MF03A1LWAB-P11	7433507165	EPIC MF03A2LWAB-P11	7433507174
4 Pin	EPIC MF04A1LWAB-P7	7433507166	EPIC MF04A2LWAB-P7	7433507175
	EPIC MF04A1LWAB-P9	7433507167	EPIC MF04A2LWAB-P9	7433507176
	EPIC MF04A1LWAB-P11	7433507168	EPIC MF04A2LWAB-P11	7433507177
5 Pin	EPIC MF05A1LWAB-P7	7433507169	EPIC MF05A2LWAB-P7	7433507178
	EPIC MF05A1LWAB-P9	7433507170	EPIC MF05A2LWAB-P9	7433507179
	EPIC MF05A1LWAB-P11	7433507171	EPIC MF05A2LWAB-P11	7433507180

Assembly Instruction



7/8" Mini-Change Connector, Field Wire-able, Screw Termination



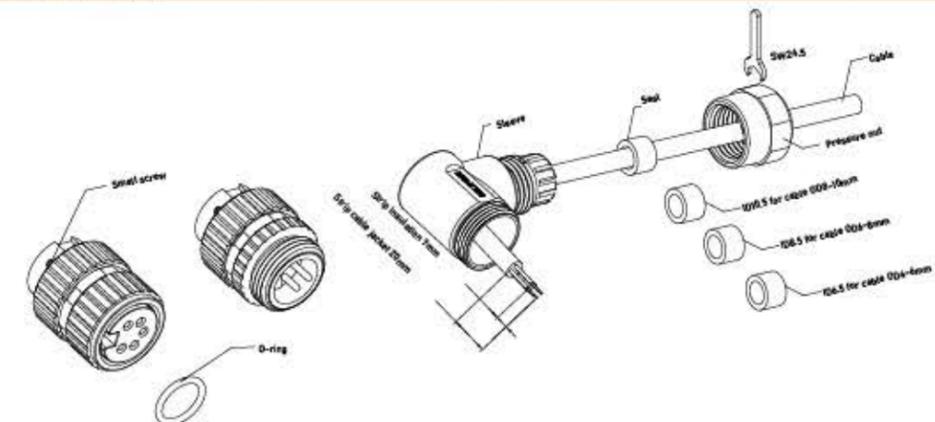
Connector Technical data

Contacts No.	3Pin	4Pin	5Pin
Front View			
Rated current	13A, 8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend: 1.5Nm, Max: 2.0Nm, Wire screw : 0.4Nm, Cable gland: 0.8~1.5Nm		
Termination	Screw Fixing		
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)		
Rated temperature	Flexible -25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

Ordering No.

Poles	Male		Female	
	Part No.	Part No.	Part No.	Part No.
3 Pin	EPIC MF03A1RWAB-P7	7433507181	EPIC MF03A2RWAB-P7	7433507190
	EPIC MF03A1RWAB-P9	7433507182	EPIC MF03A2RWAB-P9	7433507191
	EPIC MF03A1RWAB-P11	7433507183	EPIC MF03A2RWAB-P11	7433507192
4 Pin	EPIC MF04A1RWAB-P7	7433507184	EPIC MF04A2RWAB-P7	7433507193
	EPIC MF04A1RWAB-P9	7433507185	EPIC MF04A2RWAB-P9	7433507194
	EPIC MF04A1RWAB-P11	7433507186	EPIC MF04A2RWAB-P11	7433507195
5 Pin	EPIC MF05A1RWAB-P7	7433507187	EPIC MF05A2RWAB-P7	7433507196
	EPIC MF05A1RWAB-P9	7433507188	EPIC MF05A2RWAB-P9	7433507197
	EPIC MF05A1RWAB-P11	7433507189	EPIC MF05A2RWAB-P11	7433507198

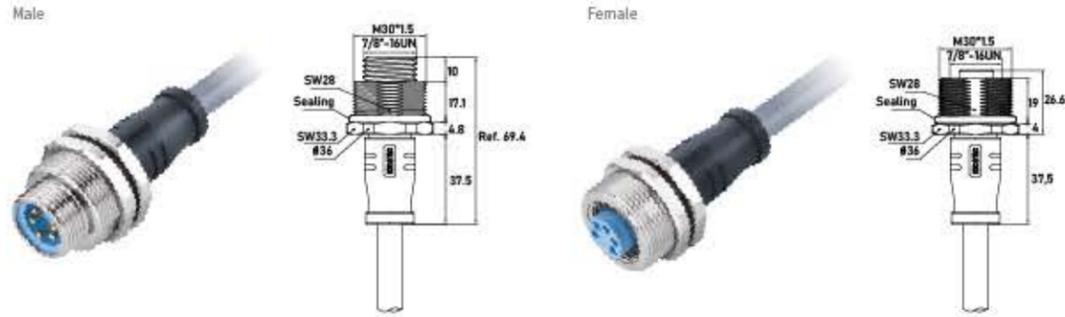
Assembly Instruction



## 7/8" Panel Connector, Molded With Cable



### 7/8" Panel Connector, Molded Cable, Un-shielded, Free End



Connector Technical data					
Contacts No.	2Pin	3Pin	4Pin	5Pin	
Front View					
Rated current	13A	9A	9A		
Rated voltage	300V				
Impulse voltage	2500V				
Locking system	7/8" screw				
Tightening torque	Recommended : 1.5 Nm , Max: 2.0 Nm				
Termination	Crimping				
Wire gauge	0.75mm <sup>2</sup> ~ 1.5mm <sup>2</sup> (18~16AWG)				
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Brass / Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

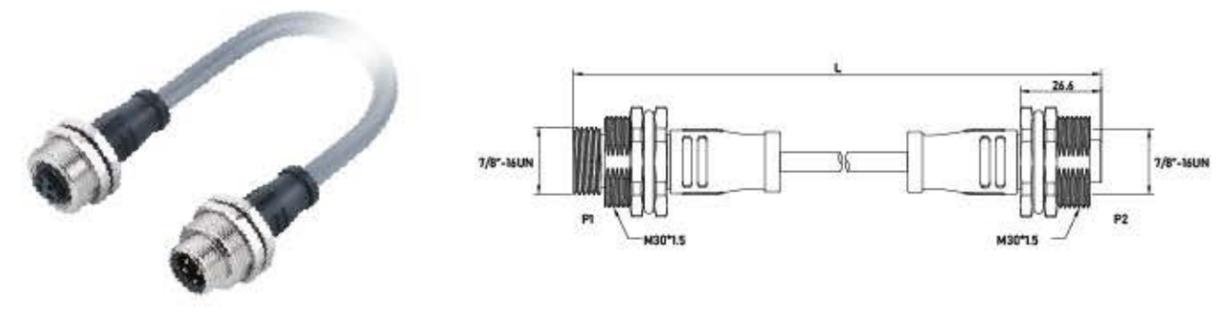
Ordering No.						
Poles	Cable length	Male		Female		
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)	
2 Pin	2 m	EPIC MF02P9LCAB-16CK20 7433504324	EPIC MF02P9LCAB-16RK20 7433504325	EPIC MF02P8LCAB-16CK20 7433504340	EPIC MF02P8LCAB-16RK20 7433504341	
	5 m	EPIC MF02P9LCAB-16CK50 7433504325	EPIC MF02P9LCAB-16RK50 7433504327	EPIC MF02P8LCAB-16CK50 7433504341	EPIC MF02P8LCAB-16RK50 7433504343	
3 Pin	2 m	EPIC MF03P9LCAB-16CK20 7433504328	EPIC MF03P9LCAB-16RK20 7433504330	EPIC MF03P8LCAB-16CK20 7433504344	EPIC MF03P8LCAB-16RK20 7433504346	
	5 m	EPIC MF03P9LCAB-16CK50 7433504329	EPIC MF03P9LCAB-16RK50 7433504331	EPIC MF03P8LCAB-16CK50 7433504345	EPIC MF03P8LCAB-16RK50 7433504347	
4 Pin	2 m	EPIC MF04P9LCAB-16CK20 7433504332	EPIC MF04P9LCAB-16RK20 7433504334	EPIC MF04P8LCAB-16CK20 7433504348	EPIC MF04P8LCAB-16RK20 7433504350	
	5 m	EPIC MF04P9LCAB-16CK50 7433504333	EPIC MF04P9LCAB-16RK50 7433504335	EPIC MF04P8LCAB-16CK50 7433504349	EPIC MF04P8LCAB-16RK50 7433504351	
5 Pin	2 m	EPIC MF05P9LCAB-16CK20 7433504336	EPIC MF05P9LCAB-16RK20 7433504338	EPIC MF05P8LCAB-16CK20 7433504352	EPIC MF05P8LCAB-16RK20 7433504354	
	5 m	EPIC MF05P9LCAB-16CK50 7433504337	EPIC MF05P9LCAB-16RK50 7433504339	EPIC MF05P8LCAB-16CK50 7433504353	EPIC MF05P8LCAB-16RK50 7433504355	

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/IGN	YE/IGN	YE/IGN
Pin 4			BK	BK
Pin 5				GY

## 7/8" Panel Connector, Molded With Cable



### 7/8" Panel Connector, Male to Female, Molded Cable, Un-shielded, Free End



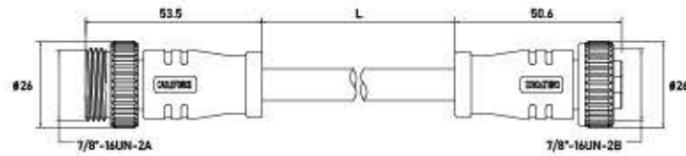
Connector Technical data					
Contacts No.	2Pin	3Pin	4Pin	5Pin	
Front View					
Rated current	13A		9A	8A	
Rated voltage	300V				
Impulse voltage	2500V				
Locking system	7/8" screw				
Tightening torque	Recommended : 1.5 Nm , Max: 2.0 Nm				
Termination	Crimping				
Wire gauge	0.75mm <sup>2</sup> ~ 1.5mm <sup>2</sup> (18~16AWG)				
Rated temperature	Flexible: -25 ~ 80 ; Static: -40 ~ 80				
Insulation resistance	> 100MΩ				
Contact resistance	< 5mΩ				
Over-molding	TPU				
Contacts carrier	TPU + GF				
Screw nut	Brass, CNC, nickel-plated				
Contacts	Brass / Phosphor bronze				
Contacts plating	Au (Gold)				
O-Ring	FKM / Silicon				
Protection degree	IP67				
Pollution degree	3				
EMC Shielding	Non-Shielded				

Ordering No.					
Poles	Cable length	PVC (Cable)		PUR (Cable)	
2 Pin	2 m	EPIC MF02C9LCAB-16CK20 7433504356		EPIC MF02C9LCAB-16RK20 7433504358	
	5 m	EPIC MF02C9LCAB-16CK50 7433504357		EPIC MF02C9LCAB-16RK50 7433504359	
3 Pin	2 m	EPIC MF03C9LCAB-16CK20 7433504360		EPIC MF03C9LCAB-16RK20 7433504362	
	5 m	EPIC MF03C9LCAB-16CK50 7433504361		EPIC MF03C9LCAB-16RK50 7433504363	
4 Pin	2 m	EPIC MF04C9LCAB-16CK20 7433504364		EPIC MF04C9LCAB-16RK20 7433504366	
	5 m	EPIC MF04C9LCAB-16CK50 7433504365		EPIC MF04C9LCAB-16RK50 7433504367	
5 Pin	2 m	EPIC MF05C9LCAB-16CK20 7433504368		EPIC MF05C9LCAB-16RK20 7433504370	
	5 m	EPIC MF05C9LCAB-16CK50 7433504369		EPIC MF05C9LCAB-16RK50 7433504371	

Wires' Color Coding				
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/IGN	YE/IGN	YE/IGN
Pin 4			BK	BK
Pin 5				GY



DeviceNet, CANopen Mini, male to female, double ended, molded cable



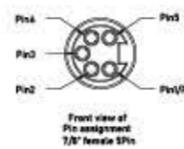
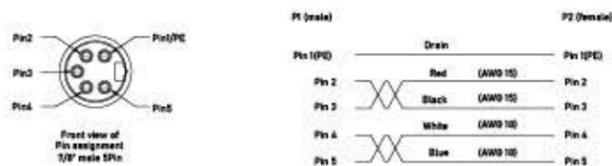
Connector Technical data

Contacts No.	Male	Cable Color	Female
Front View			
Rated current	8A		
Rated voltage	300V		
Impulse voltage	2500V		
Locking system	7/8" screw		
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm		
Termination	Crimping		
Cable specification	1.5mm <sup>2</sup> + 0.75mm <sup>2</sup> (AWG 15 + AWG18)		
Rated temperature	-25 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Over-molding	TPU		
Contact carrier	TPU + GF		
Screw nut	Brass, CNC, nickel-plated		
Contact	Brass / Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM/ Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

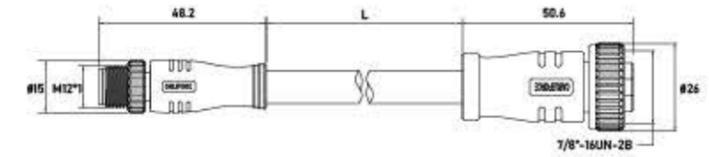
Ordering No.

Poles	Cable length	PVC (Cable)		PUR (Cable)	
		Part No.	Part No.	Part No.	Part No.
5 Pin	1.0 m	EPIC MF05C3LSAB18CV10-DVN	EPIC MF05C3LSAB18RV10-DVN	7433504372	7433504374
		EPIC MF05C3LSAB18CV16-DVN	EPIC MF05C3LSAB18RV16-DVN	7433504373	7433504375
	1.8 m	EPIC MF05C3LSAB18CV20-DVN	EPIC MF05C3LSAB18RV20-DVN	7433504376	7433504377
		EPIC MF05C3LSAB18CV30-DVN	EPIC MF05C3LSAB18RV30-DVN	7433504378	7433504379
	2.0 m	EPIC MF05C3LSAB18CV35-DVN	EPIC MF05C3LSAB18RV35-DVN	7433504380	7433504381
		EPIC MF05C3LSAB18CV50-DVN	EPIC MF05C3LSAB18RV50-DVN	7433504382	7433504383

Wiring Diagram



7/8" Mini-Change, female to M12 S-Code male, double ended, molded cable, Un-shielded



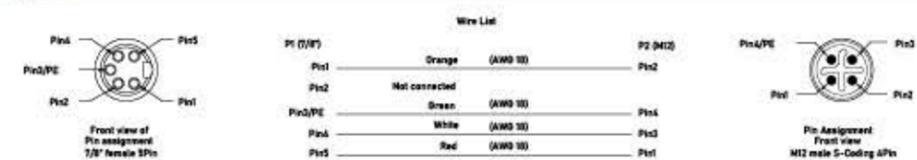
Connector Technical data

Contacts No.	7/8" 5Pin Female	M12 S-Code 4Pin Male
Front View		
Rated current	12A	
Rated voltage	300V	
Impulse voltage	2500V	
Locking system	7/8" screw / M12 screw,	
Termination	Crimping	
Cable specification	1.25mm <sup>2</sup> (AWG 18)	
Rated temperature	-25 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Over-molding	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass , Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Cable length	PVC (Cable)		PUR (Cable)	
		Part No.	Part No.	Part No.	Part No.
5 Pin - 4 Pin	1.0 m	EPIC MF05C2-MC04C1SB-16CK10	EPIC MF05C2-MC04C1SB-16RK10	7433504384	7433504388
		EPIC MF05C2-MC04C1SB-16CK18	EPIC MF05C2-MC04C1SB-16RK18	7433504385	7433504387
	1.8 m	EPIC MF05C2-MC04C1SB-16CK20	EPIC MF05C2-MC04C1SB-16RK20	7433504388	7433504389
		EPIC MF05C2-MC04C1SB-16CK30	EPIC MF05C2-MC04C1SB-16RK30	7433504390	7433504391
	2.0 m	EPIC MF05C2-MC04C1SB-16CK35	EPIC MF05C2-MC04C1SB-16RK35	7433504392	7433504393
		EPIC MF05C2-MC04C1SB-16CK50	EPIC MF05C2-MC04C1SB-16RK50	7433504394	7433504395

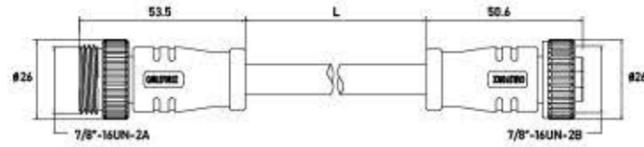
Wiring Diagram



## 7/8" Connector, Power Cable



7/8" Mini-Change, male to female, double ended, Un-shielded Cable



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm			
Termination	Crimping			
Cable specification	0.75- 1.5mm <sup>2</sup> (AWG 16- 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥ 100MΩ			
Contact resistance	≤ 5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Cable length	PVC (Cable)	PUR (Cable)
2 Pin	2.0 m	EPIC MF02C3LCAB16CK20 7433504396	EPIC MF02C3LCAB16RK20 7433504397
	3.5 m	EPIC MF02C3LCAB16CK35 7433504398	EPIC MF02C3LCAB16RK35 7433504399
3 Pin	2.0 m	EPIC MF03C3LCAB16CK20 7433504400	EPIC MF03C3LCAB16RK20 7433504401
	3.5 m	EPIC MF03C3LCAB16CK35 7433504402	EPIC MF03C3LCAB16RK35 7433504403
4 Pin	2.0 m	EPIC MF04C3LCAB16CK20 7433504404	EPIC MF04C3LCAB16RK20 7433504405
	3.5 m	EPIC MF04C3LCAB16CK35 7433504406	EPIC MF04C3LCAB16RK35 7433504407
5 Pin	2.0 m	EPIC MF05C3LCAB16CK20 7433504408	EPIC MF05C3LCAB16RK20 7433504409
	3.5 m	EPIC MF05C3LCAB16CK35 7433504410	EPIC MF05C3LCAB16RK35 7433504411

### Wires' Color Coding

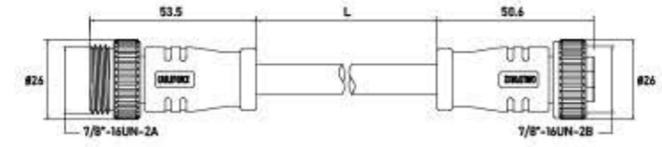
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY



## 7/8" Connector, Power Cable



7/8" Mini-Change, male to female, double ended, Weld-Splatter Resistant, 5 million drag chain cable



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm			
Termination	Crimping			
Cable specification	1.5mm <sup>2</sup> (AWG 16)			
Rated temperature	-40 °C ... +105 °C			
Insulation resistance	≥ 100MΩ			
Contact resistance	≤ 5mΩ			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Cable length	XLPE (Cable)	PUR (Cable)
2 Pin	2.0 m	EPIC MF02C3LCAB16XE020-WR 7433504413	EPIC MF02C3LCAB16R020-WR 7433504412
	3.5 m	EPIC MF02C3LCAB16XE035-WR 7433504415	EPIC MF02C3LCAB16R035-WR 7433504414
3 Pin	2.0 m	EPIC MF03C3LCAB16XE020-WR 7433504417	EPIC MF03C3LCAB16R020-WR 7433504416
	3.5 m	EPIC MF03C3LCAB16XE035-WR 7433504419	EPIC MF03C3LCAB16R035-WR 7433504418
4 Pin	2.0 m	EPIC MF04C3LCAB16XE020-WR 7433504421	EPIC MF04C3LCAB16R020-WR 7433504420
	3.5 m	EPIC MF04C3LCAB16XE035-WR 7433504423	EPIC MF04C3LCAB16R035-WR 7433504422
5 Pin	2.0 m	EPIC MF05C3LCAB16XE020-WR 7433504425	EPIC MF05C3LCAB16R020-WR 7433504424
	3.5 m	EPIC MF05C3LCAB16XE035-WR 7433504427	EPIC MF05C3LCAB16R035-WR 7433504426

### Wires' Color Coding

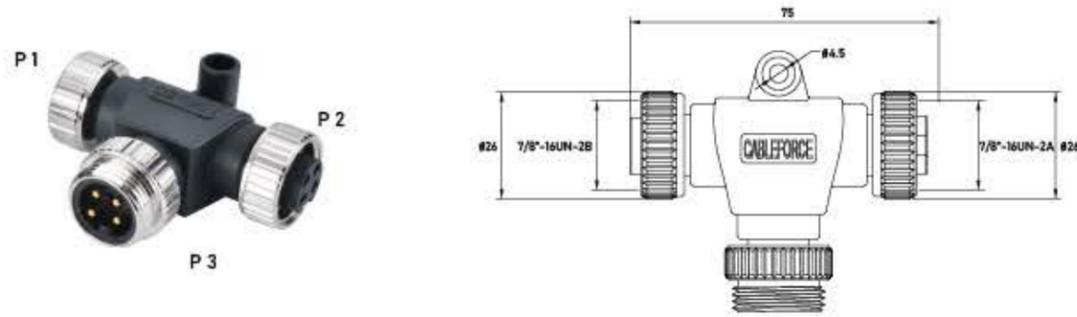
Poles & Wire Color				
Pin 1	BN	BN	BN	BN
Pin 2	BU	BK	WH	WH
Pin 3		YE/GN	YE/GN	YE/GN
Pin 4			BK	BK
Pin 5				GY



## 7/8" T-Connector



### 7/8" T-Connector, Female to Female/Male



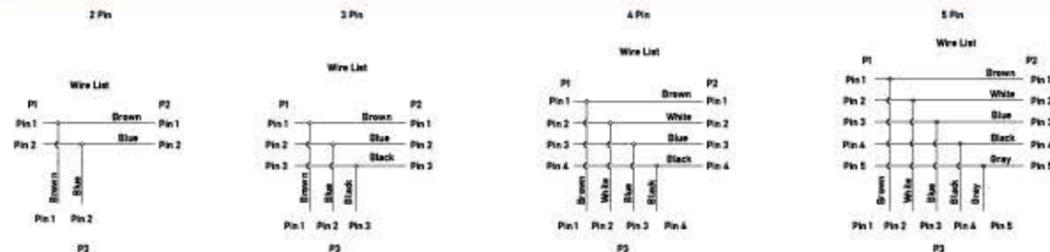
#### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
P1 Front View				
P2 Front View				
P3 Front View				
Rated current	13A		9A	6A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Connector body	TPU			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

#### Ordering No.

Poles	Part No.	Part No.
2 Pin	EPIC MF02T-MFFAB	7433507327
3 Pin	EPIC MF03T-MFFAB	7433507328
4 Pin	EPIC MF04T-MFFAB	7433507329
5 Pin	EPIC MF05T-MFFAB	7433507330

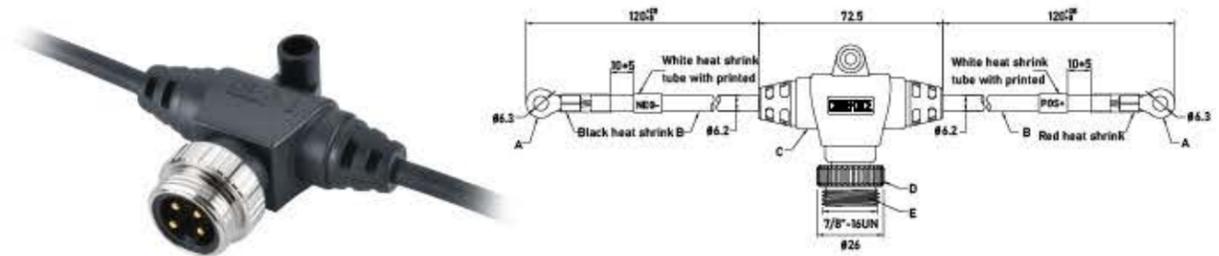
#### Wiring Diagram



## 7/8" Power-Tap



### 7/8" Power-Tap Male Splitter, Molded Cable, End with Terminal



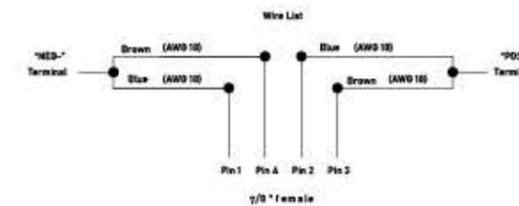
#### Connector Technical data

Contacts No.	4Pin
Front View	
Rated current	
Rated voltage	300V
Impulse voltage	2500V
Locking system	7/8" screw
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm
Termination	Crimping
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)
Rated temperature	-25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Connector body	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

#### Ordering No.

Poles	Part No.	Part No.
4 Pin	EPIC MF04T6-F16W012-T	7433507331

#### Wiring Diagram



# 7/8" Panel Receptacle Connector



7/8" Mini-Change male panel connector, front/ rear mount, with single wires



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 2.0Nm, Max : 2.5Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side	PG13.5 Chassis Side
2 Pin	0.2 m	EPIC MF02P1LCAB16W02 7433506873	EPIC MF02P3LCAB16W02 7433506874	EPIC MF02P3LCABP13-16W02 7433506893	EPIC MF02P4LCABP13-16W02 74335713
	0.5 m	EPIC MF02P1LCAB16W05 7433506875	EPIC MF02P3LCAB16W05 7433506876	EPIC MF02P3LCABP13-16W05 7433506877	EPIC MF02P4LCABP13-16W05 7433506897
3 Pin	0.2 m	EPIC MF03P1LCAB16W02 7433506878	EPIC MF03P3LCAB16W02 7433506879	EPIC MF03P3LCABP13-16W02 74335710	EPIC MF03P4LCABP13-16W02 74335714
	0.5 m	EPIC MF03P1LCAB16W05 7433506880	EPIC MF03P3LCAB16W05 7433506881	EPIC MF03P3LCABP13-16W05 7433506882	EPIC MF03P4LCABP13-16W05 7433506902
4 Pin	0.2 m	EPIC MF04P1LCAB16W02 7433506883	EPIC MF04P3LCAB16W02 7433506884	EPIC MF04P3LCABP13-16W02 74335711	EPIC MF04P4LCABP13-16W02 74335715
	0.5 m	EPIC MF04P1LCAB16W05 7433506885	EPIC MF04P3LCAB16W05 7433506886	EPIC MF04P3LCABP13-16W05 7433506887	EPIC MF04P4LCABP13-16W05 7433506907
5 Pin	0.2 m	EPIC MF05P1LCAB18W02 7433506888	EPIC MF05P3LCAB18W02 7433506889	EPIC MF05P3LCABP13-18W02 74335712	EPIC MF05P4LCABP13-18W02 74335716
	0.5 m	EPIC MF05P1LCAB18W05 7433506890	EPIC MF05P3LCAB18W05 7433506891	EPIC MF05P3LCABP13-18W05 7433506892	EPIC MF05P4LCABP13-18W05 7433506912

### Wires' Color Coding

Poles & Wire Color	2 Pin	3 Pin	4 Pin	5 Pin
Pin 1	BN	BN	BN	BN
Pin 2	BU	BU	WH	WH
Pin 3		BK	BU	BU
Pin 4			BK	BK
Pin 5				GY

# 7/8" Panel Receptacle Connector



7/8" Mini-Change female panel connector, front/ rear mount, with single wires



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 2.0Nm, Max : 2.5Nm			
Termination	Crimping			
Wire gauge	0.75~ 1.25mm <sup>2</sup> (AWG 16~ 18)			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

Poles	Wire length	Panel Front Side Fastening		Panel Rear Side Fastening	
		7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side	PG13.5 Chassis Side
2 Pin	0.2 m	EPIC MF02P2LCAB16W02 7433506893	EPIC MF02P4LCAB16W02 7433506894	EPIC MF02P4LCABP13-16W02 74335713	EPIC MF02P4LCABP13-16W05 7433506897
	0.5 m	EPIC MF02P2LCAB16W05 7433506895	EPIC MF02P4LCAB16W05 7433506896	EPIC MF02P4LCABP13-16W05 7433506897	EPIC MF02P4LCABP13-16W05 7433506897
3 Pin	0.2 m	EPIC MF03P2LCAB16W02 7433506898	EPIC MF03P4LCAB16W02 7433506899	EPIC MF03P4LCABP13-16W02 74335714	EPIC MF03P4LCABP13-16W05 7433506902
	0.5 m	EPIC MF03P2LCAB16W05 7433506900	EPIC MF03P4LCAB16W05 7433506901	EPIC MF03P4LCABP13-16W05 7433506902	EPIC MF03P4LCABP13-16W05 7433506902
4 Pin	0.2 m	EPIC MF04P2LCAB16W02 7433506903	EPIC MF04P4LCAB16W02 7433506904	EPIC MF04P4LCABP13-16W02 74335715	EPIC MF04P4LCABP13-16W05 7433506907
	0.5 m	EPIC MF04P2LCAB16W05 7433506905	EPIC MF04P4LCAB16W05 7433506906	EPIC MF04P4LCABP13-16W05 7433506907	EPIC MF04P4LCABP13-16W05 7433506907
5 Pin	0.2 m	EPIC MF05P2LCAB18W02 7433506908	EPIC MF05P4LCAB18W02 7433506909	EPIC MF05P4LCABP13-18W02 74335716	EPIC MF05P4LCABP13-18W05 7433506912
	0.5 m	EPIC MF05P2LCAB18W05 7433506910	EPIC MF05P4LCAB18W05 7433506911	EPIC MF05P4LCABP13-18W05 7433506912	EPIC MF05P4LCABP13-18W05 7433506912

### Wires' Color Coding

Poles & Wire Color	2 Pin	3 Pin	4 Pin	5 Pin
Pin 1	BN	BN	BN	BN
Pin 2	BU	BU	WH	WH
Pin 3		BK	BU	BU
Pin 4			BK	BK
Pin 5				GY



# 7/8" Panel Receptacle Connector



7/8" Mini-Change male panel connector, front/ rear mount, with PCB Contacts

# 7/8" Panel Receptacle Connector



7/8" Mini-Change female panel connector, front/ rear mount, with PCB Contacts



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A		9A	8A
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 2.0Nm, Max : 2.5Nm			
Termination	PCB Dip Goldering			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Brass			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			

### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A			
Rated voltage	300V			
Impulse voltage	2500V			
Locking system	7/8" screw			
Tightening Torque	Recommend : 2.0Nm, Max : 2.5Nm			
Termination	PCB Dip Soldering			
Rated temperature	-25 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Contact carrier	TPU + GF			
Screw nut	Brass, CNC, Nickel-plated			
Contact	Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM/ Silicon			
Protection degree	IP67			
Pollution degree	3			

### Ordering No.

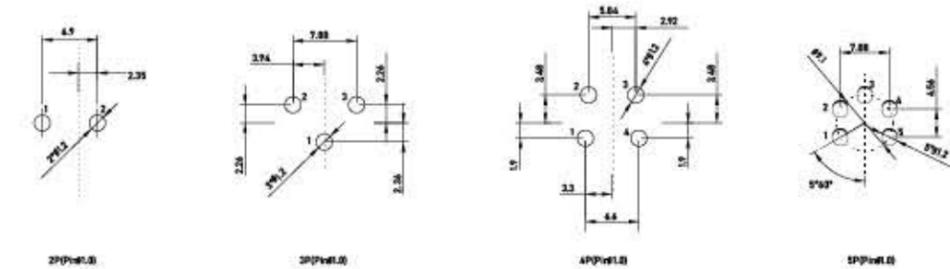
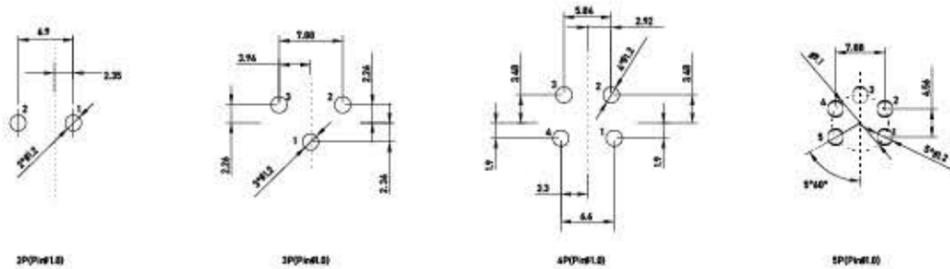
Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side	PG13.5 Chassis Side
2 Pin	EPIC MF02P1LPAB	EPIC MF02P3LPAB	EPIC MF02P3LPAB13	
	7433506913	7433506914	7433506915	
3 Pin	EPIC MF03P1LPAB	EPIC MF03P3LPAB	EPIC MF03P3LPAB13	
	7433506916	7433506917	7433506918	
4 Pin	EPIC MF04P1LPAB	EPIC MF04P3LPAB	EPIC MF04P3LPAB13	
	7433506919	7433506920	7433506921	
5 Pin	EPIC MF05P1LPAB	EPIC MF05P3LPAB	EPIC MF05P3LPAB13	
	7433506922	7433506923	7433506924	

### Ordering No.

Poles	Panel Front Side Fastening		Panel Rear Side Fastening	
	7/8"-16UN-2A Chassis Side	7/8"-16UN-2A Chassis Side	PG13.5 Chassis Side	PG13.5 Chassis Side
2 Pin	EPIC MF02P2LPAB	EPIC MF02P4LPAB	EPIC MF02P4LPAB13	
	7433506925	7433506926	7433506927	
3 Pin	EPIC MF03P2LPAB	EPIC MF03P4LPAB	EPIC MF03P4LPAB13	
	7433506928	7433506929	7433506930	
4 Pin	EPIC MF04P2LPAB	EPIC MF04P4LPAB	EPIC MF04P4LPAB13	
	7433506931	7433506932	7433506933	
5 Pin	EPIC MF05P2LPAB	EPIC MF05P4LPAB	EPIC MF05P4LPAB13	
	7433506934	7433506935	7433506936	

### PCB Layout Reference

### PCB Layout Reference



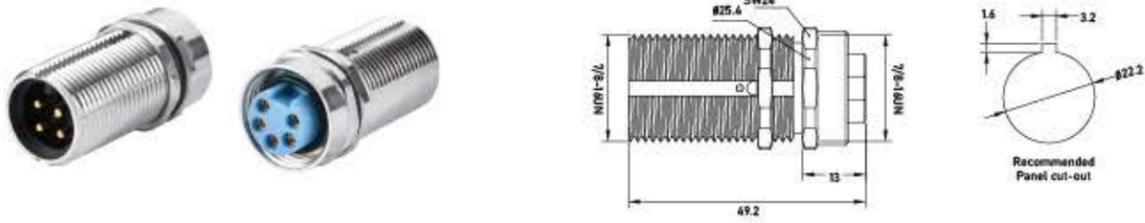
## 7/8" Through Wall Type Connector



Notes



7/8" male-female in one through wall type panel connector



### Connector Technical data

Contacts No.	2Pin	3Pin	4Pin	5Pin
Front View				
Rated current	13A, 8A		9A	8A
Rated voltage	300V			
Impulse voltage	3000V			
Locking system	7/8" screw			
Tightening torque	Recommended: 1.5 Nm, Max: 2.0 Nm			
Rated temperature	Flexible: -25 ~ 80°C; Static: -40 ~ 80°C			
Insulation resistance	> 100MΩ			
Contact resistance	< 5mΩ			
Over-molding	TPU			
Contacts carrier	TPU + GF			
Screw nut	Brass, CNC, nickel-plated			
Contacts	Phosphor bronze			
Contacts plating	Au (Gold)			
O-Ring	FKM / Silicon			
Protection degree	IP67			
Pollution degree	3			
EMC Shielding	Shielded			

### Ordering No.

Poles	male-female	
	Ordering No.	Ordering No.
2 Pin	EPIC MF02P7LPAB	7433506937
3 Pin	EPIC MF03P7LPAB	7433506938
4 Pin	EPIC MF04P7LPAB	7433506939
5 Pin	EPIC MF05P7LPAB	7433506940



# I/O Industrial Data Cable Connectors

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# I/O

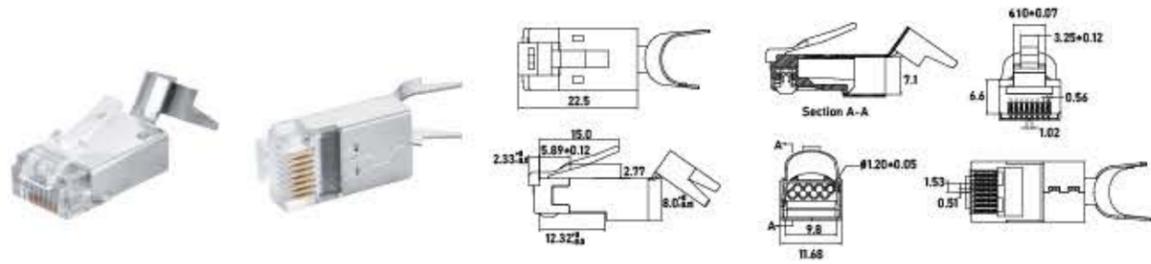
## Industrial Data Cable Connectors

- RJ45, CAT 5E, CAT 6A, CAT 7 Ethernet cables
- USB 2.0, USB 3.0 data cable
- RS 232, RS 485, D-SUB cable connectors
- LSZH Fire retardant
- 360°EMC/ EMI Shielded
- Customized cable specification with single- or double-ended cord-sets

# RJ45 CONNECTOR



## CAT 7 FTP 8P8C RJ45 male connector



Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Piercing Contact
Wire gauge	0.25mm <sup>2</sup> -0.14mm <sup>2</sup> (24AWG-26AWG)
Wire Insulation Diameter	1.0mm-1.17mm
Rated temperature	-40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Brass nickel-plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 7
Pollution degree	3
EMC Shielding	Shielded

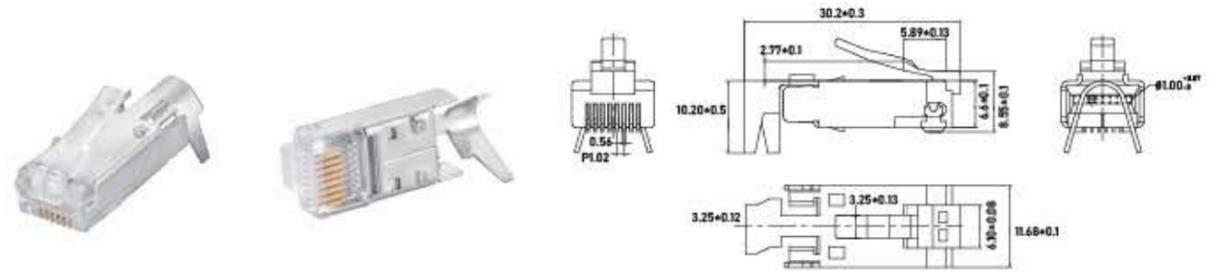
Ordering No.			
Poles		P/N	
RJ45 8P8C	EPIC RJ7-8P8C		7433507211

Cable's Color Coding & Wiring			
Poles & Wire Color / Pin			
	T568A		T568B
Pin 1	WH/GN		WH/OR
Pin 2	GN		OR
Pin 3	WH/OR		WH/GN
Pin 4	BU		BU
Pin 5	WH/BU		WH/BU
Pin 6	OR		GN
Pin 7	WH/BN		WH/BN
Pin 8	BN		BN
Shell	Braid		Braid

# RJ45 CONNECTOR



## CAT 5E FTP 8P8C RJ45 male connector



Connector Technical data	
Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Piercing Contact
Wire gauge	0.14mm <sup>2</sup> (26AWG)
Wire Insulation Diameter	< 1.05mm
Rated temperature	-40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Brass nickel-plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 5E
Pollution degree	3
EMC Shielding	Shielded

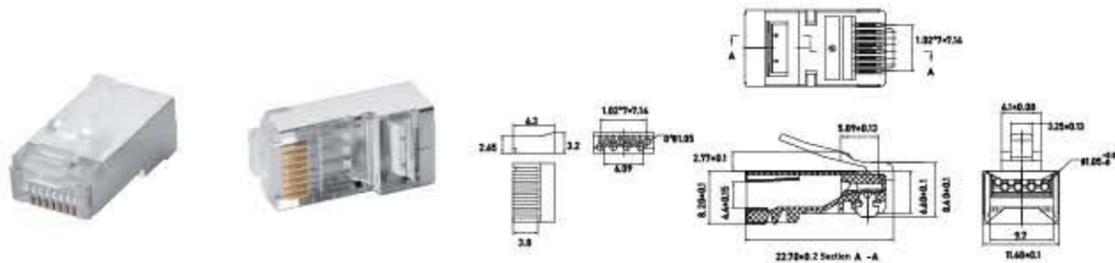
Ordering No.			
Poles		P/N	
RJ45 8P8C	EPIC RJ5E-8P8C		7433507212

Cable's Color Coding & Wiring			
Poles & Wire Color / Pin			
	T568A		T568B
Pin 1	WH/GN		WH/OR
Pin 2	GN		OR
Pin 3	WH/OR		WH/GN
Pin 4	BU		BU
Pin 5	WH/BU		WH/BU
Pin 6	OR		GN
Pin 7	WH/BN		WH/BN
Pin 8	BN		BN
Shell	Braid		Braid



# RJ45 CONNECTOR

CAT 6A FTP 8P8C RJ45 male connector



### Connector Technical data

Contacts No.	RJ45 male
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	125V
Impulse voltage	1000V
Termination	Insulation Piercing Contact
Wire gauge	0.14mm <sup>2</sup> (28AWG)
Wire Insulation Diameter	< 1.05mm
Rated temperature	-40 ~ 80°C
Insulation resistance	> 100MΩ
Contact resistance	< 20mΩ
Contacts carrier	PC
Shell	Brass nickel-plated
Contacts	Brass Gold-plated
Contacts plating	Au (Gold)
Transmission characteristics	CAT 6A
Pollution degree	3
EMC Shielding	Shielded

### Ordering No.

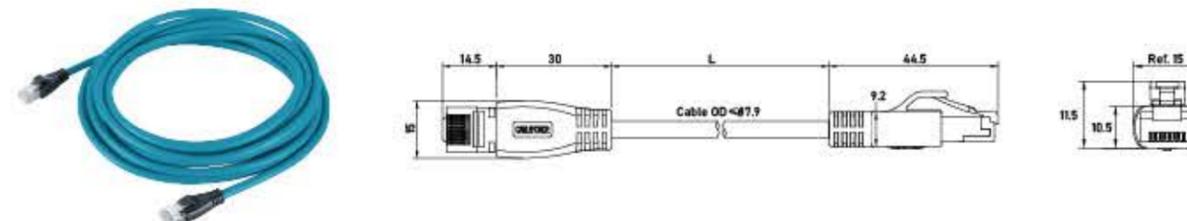
Poles	PIN
RJ45 8P8C	EPIC RJ6A-8P8C 7433507213

### Cable's Color Coding & Wiring

Poles & Wire Color / Pin		
	T568A	T568B
Pin 1	WH/GN	WH/OR
Pin 2	GN	OR
Pin 3	WH/OR	WH/GN
Pin 4	BU	BU
Pin 5	WH/BU	WH/BU
Pin 6	OR	GN
Pin 7	WH/BN	WH/BN
Pin 8	BN	BN
Shell	Braid	Braid

# RJ45 Patch Cables

Ethernet patch cables, double ended RJ45 8P8C male plug



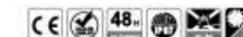
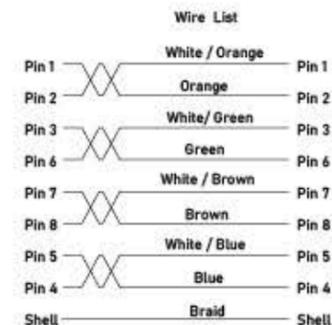
### Connector Technical data

Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Piercing Contact			
Cable specification	0.14-0.25mm <sup>2</sup> (AWG 28-24)			
Rated temperature	-40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector over molding	PVC/TPU			
Contact carrier	PC			
Contact	Brass Gold-plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 25 dB from (30 to 100) MHz, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	≥ 6 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 24 dB/102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 63 dB/90 dB, pair to pair, mated connectors			

### Ordering No.

Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28	Cat 7 AWG 24	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28	Cat 7 AWG 24
0.3 m	EPIC RJ5ECL129CLB03	EPIC RJ5ECL124CLB03	EPIC RJ6ACL129CLB03	EPIC RJ7ACL124CLB03	EPIC RJ5ECL129RLB03	EPIC RJ5ECL124RLB03	EPIC RJ6ACL129RLB03	EPIC RJ7ACL124RLB03
0.5 m	EPIC RJ5ECL129CLB05	EPIC RJ5ECL124CLB05	EPIC RJ6ACL129CLB05	EPIC RJ7ACL124CLB05	EPIC RJ5ECL129RLB05	EPIC RJ5ECL124RLB05	EPIC RJ6ACL129RLB05	EPIC RJ7ACL124RLB05
1.0 m	EPIC RJ5ECL129CLB10	EPIC RJ5ECL124CLB10	EPIC RJ6ACL129CLB10	EPIC RJ7ACL124CLB10	EPIC RJ5ECL129RLB10	EPIC RJ5ECL124RLB10	EPIC RJ6ACL129RLB10	EPIC RJ7ACL124RLB10
1.5 m	EPIC RJ5ECL129CLB15	EPIC RJ5ECL124CLB15	EPIC RJ6ACL129CLB15	EPIC RJ7ACL124CLB15	EPIC RJ5ECL129RLB15	EPIC RJ5ECL124RLB15	EPIC RJ6ACL129RLB15	EPIC RJ7ACL124RLB15
2.0 m	EPIC RJ5ECL129CLB20	EPIC RJ5ECL124CLB20	EPIC RJ6ACL129CLB20	EPIC RJ7ACL124CLB20	EPIC RJ5ECL129RLB20	EPIC RJ5ECL124RLB20	EPIC RJ6ACL129RLB20	EPIC RJ7ACL124RLB20
2.5 m	EPIC RJ5ECL129CLB25	EPIC RJ5ECL124CLB25	EPIC RJ6ACL129CLB25	EPIC RJ7ACL124CLB25	EPIC RJ5ECL129RLB25	EPIC RJ5ECL124RLB25	EPIC RJ6ACL129RLB25	EPIC RJ7ACL124RLB25
3.0 m	EPIC RJ5ECL129CLB30	EPIC RJ5ECL124CLB30	EPIC RJ6ACL129CLB30	EPIC RJ7ACL124CLB30	EPIC RJ5ECL129RLB30	EPIC RJ5ECL124RLB30	EPIC RJ6ACL129RLB30	EPIC RJ7ACL124RLB30
3.5 m	EPIC RJ5ECL129CLB35	EPIC RJ5ECL124CLB35	EPIC RJ6ACL129CLB35	EPIC RJ7ACL124CLB35	EPIC RJ5ECL129RLB35	EPIC RJ5ECL124RLB35	EPIC RJ6ACL129RLB35	EPIC RJ7ACL124RLB35
4.0 m	EPIC RJ5ECL129CLB40	EPIC RJ5ECL124CLB40	EPIC RJ6ACL129CLB40	EPIC RJ7ACL124CLB40	EPIC RJ5ECL129RLB40	EPIC RJ5ECL124RLB40	EPIC RJ6ACL129RLB40	EPIC RJ7ACL124RLB40
4.5 m	EPIC RJ5ECL129CLB45	EPIC RJ5ECL124CLB45	EPIC RJ6ACL129CLB45	EPIC RJ7ACL124CLB45	EPIC RJ5ECL129RLB45	EPIC RJ5ECL124RLB45	EPIC RJ6ACL129RLB45	EPIC RJ7ACL124RLB45
5.0 m	EPIC RJ5ECL129CLB50	EPIC RJ5ECL124CLB50	EPIC RJ6ACL129CLB50	EPIC RJ7ACL124CLB50	EPIC RJ5ECL129RLB50	EPIC RJ5ECL124RLB50	EPIC RJ6ACL129RLB50	EPIC RJ7ACL124RLB50

### Wiring Diagram



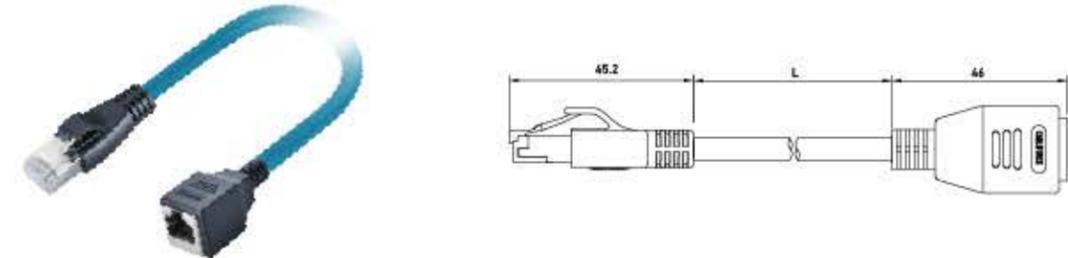
RJ45 female socket molded cable



Connector Technical data		RJ45 8P8C	Cat 5E	Cat 6A
Contacts No.				
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Piercing Contact			
Wire gauge	0.14-0.25mm <sup>2</sup> (AWG 28-24)			
Rated temperature	-40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC / TPU			
Contact carrier	PC			
Contact	Phosphor Bronze, Gold plated			
Characteristic impedance	100 Ω ±25			
Coupling attenuation	≥ 35 dB from (30 to 100) MHz, ≥ 75 dB from (100 to 1 000) MHz, mated connectors			
Propagation delay	≤2.5 ns			
Insertion loss	≤0.1 dB, mated connectors			
Return loss	68 dB up to 1000 MHz, mated connectors			
NEXT loss	≥ 94 dB / 102.4 dB, pair to pair, mated connectors			
FEXT loss	≥ 83 dB / 90 dB, pair to pair, mated connectors			

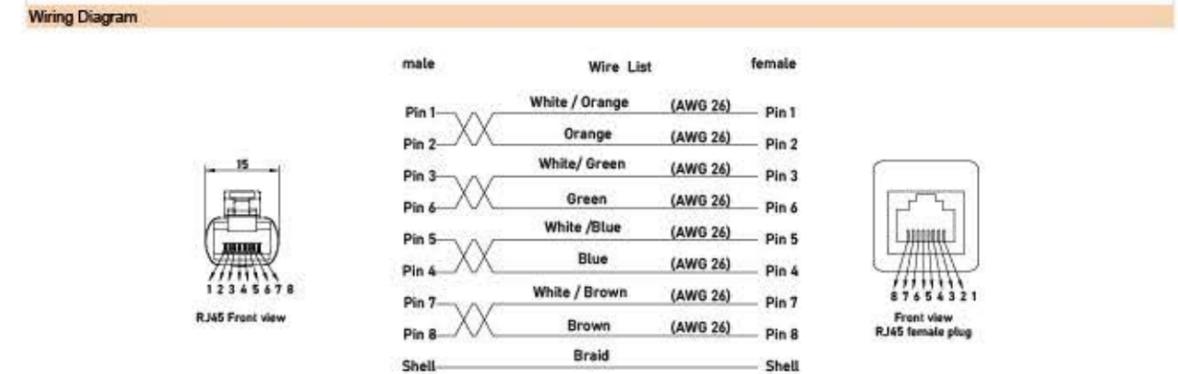
Cable length	PVC Cable (Green)			PUR Halogen Free Cable (Green)		
	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28
0.3 m	EPIC RJ5EC2L28CG03 7433504780	EPIC RJ5EC2L24CG03 7433504791	EPIC RJ6AC2L28CG03 7433504802	EPIC RJ5EC2L28RG03 7433504813	EPIC RJ5EC2L24RG03 7433504824	EPIC RJ6AC2L28RG03 7433504835
0.5 m	EPIC RJ5EC2L28CG05 7433504781	EPIC RJ5EC2L24CG05 7433504792	EPIC RJ6AC2L28CG05 7433504803	EPIC RJ5EC2L28RG05 7433504814	EPIC RJ5EC2L24RG05 7433504825	EPIC RJ6AC2L28RG05 7433504836
1.0 m	EPIC RJ5EC2L28CG10 7433504782	EPIC RJ5EC2L24CG10 7433504793	EPIC RJ6AC2L28CG10 7433504804	EPIC RJ5EC2L28RG10 7433504815	EPIC RJ5EC2L24RG10 7433504826	EPIC RJ6AC2L28RG10 7433504837
1.5 m	EPIC RJ5EC2L28CG12 7433504783	EPIC RJ5EC2L24CG12 7433504794	EPIC RJ6AC2L28CG12 7433504805	EPIC RJ5EC2L28RG12 7433504816	EPIC RJ5EC2L24RG12 7433504827	EPIC RJ6AC2L28RG12 7433504838
2.0 m	EPIC RJ5EC2L28CG20 7433504784	EPIC RJ5EC2L24CG20 7433504795	EPIC RJ6AC2L28CG20 7433504806	EPIC RJ5EC2L28RG20 7433504817	EPIC RJ5EC2L24RG20 7433504828	EPIC RJ6AC2L28RG20 7433504839
2.5 m	EPIC RJ5EC2L28CG25 7433504785	EPIC RJ5EC2L24CG25 7433504796	EPIC RJ6AC2L28CG25 7433504807	EPIC RJ5EC2L28RG25 7433504818	EPIC RJ5EC2L24RG25 7433504829	EPIC RJ6AC2L28RG25 7433504840
3.0 m	EPIC RJ5EC2L28CG30 7433504786	EPIC RJ5EC2L24CG30 7433504797	EPIC RJ6AC2L28CG30 7433504808	EPIC RJ5EC2L28RG30 7433504819	EPIC RJ5EC2L24RG30 7433504830	EPIC RJ6AC2L28RG30 7433504841
3.5 m	EPIC RJ5EC2L28CG35 7433504787	EPIC RJ5EC2L24CG35 7433504798	EPIC RJ6AC2L28CG35 7433504809	EPIC RJ5EC2L28RG35 7433504820	EPIC RJ5EC2L24RG35 7433504831	EPIC RJ6AC2L28RG35 7433504842
4.0 m	EPIC RJ5EC2L28CG40 7433504788	EPIC RJ5EC2L24CG40 7433504799	EPIC RJ6AC2L28CG40 7433504810	EPIC RJ5EC2L28RG40 7433504821	EPIC RJ5EC2L24RG40 7433504832	EPIC RJ6AC2L28RG40 7433504843
4.5 m	EPIC RJ5EC2L28CG45 7433504789	EPIC RJ5EC2L24CG45 7433504800	EPIC RJ6AC2L28CG45 7433504811	EPIC RJ5EC2L28RG45 7433504822	EPIC RJ5EC2L24RG45 7433504833	EPIC RJ6AC2L28RG45 7433504844
5.0 m	EPIC RJ5EC2L28CG50 7433504790	EPIC RJ5EC2L24CG50 7433504801	EPIC RJ6AC2L28CG50 7433504812	EPIC RJ5EC2L28RG50 7433504823	EPIC RJ5EC2L24RG50 7433504834	EPIC RJ6AC2L28RG50 7433504845

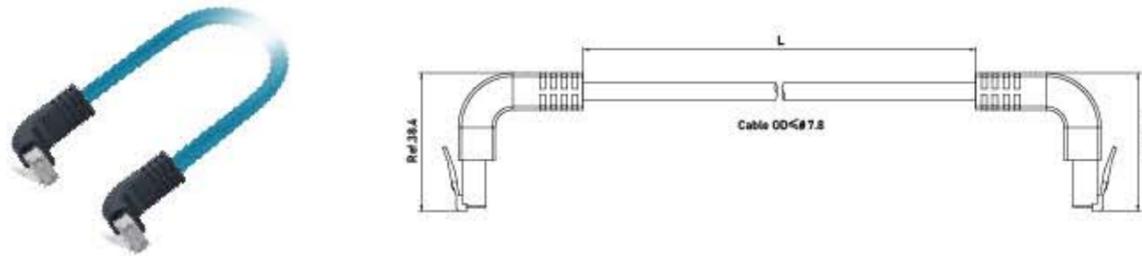
RJ45 male to female socket molded cable



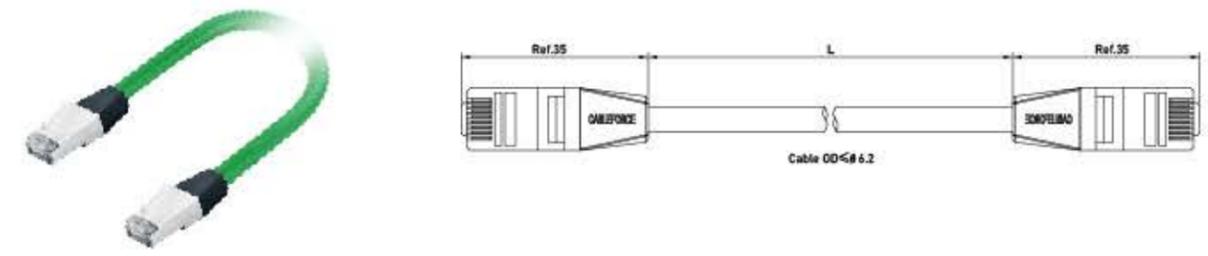
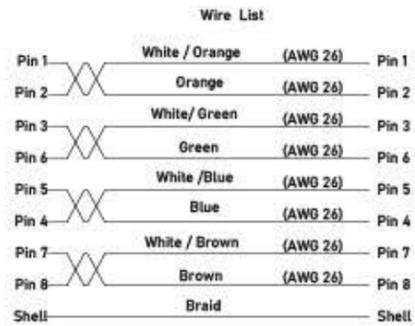
Connector Technical data		RJ45 8P8C Male	Cat 5E	Cat 6A	RJ45 8P8C Female
Contacts No.					
Front View					
Reference Standard	IEC 60603-7-7				
Rated current	1.5A				
Rated voltage	30V				
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen				
Termination	Insulation Piercing Contact				
Cable specification	0.14-0.25mm <sup>2</sup> (AWG 28-24)				
Rated temperature	-40 °C ... +70 °C				
Insulation resistance	≥100MΩ				
Contact resistance	≤20mΩ				
Connector overmolding	PVC / TPU				
Contact carrier	PC				
Contact	Brass Gold-plated / Phosphor Bronze, Gold plated				
Characteristic impedance	100 Ω ±25				
Coupling attenuation	≥ 35 dB from (30 to 100) MHz, ≥ 75 dB from (100 to 1 000) MHz, mated connectors				
Propagation delay	≤2.5 ns				
Insertion loss	≤0.1 dB, mated connectors				
Return loss	68 dB up to 1000 MHz, mated connectors				
NEXT loss	≥ 94 dB / 102.4 dB, pair to pair, mated connectors				
FEXT loss	≥ 83 dB / 90 dB, pair to pair, mated connectors				

Cable length	PVC Cable (Black)			PUR Halogen Free Cable (Black)		
	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28	Cat 5E AWG 28	Cat 5E AWG 24	Cat 6A AWG 28
0.3 m	EPIC RJ5ECSL28CK03 7433504846	EPIC RJ5ECSL24CK03 7433504857	EPIC RJ6ACSL28CK03 7433504868	EPIC RJ5ECSL28RK03 7433504870	EPIC RJ5ECSL24RK03 7433504880	EPIC RJ6ACSL28RK03 7433504891
0.5 m	EPIC RJ5ECSL28CK05 7433504847	EPIC RJ5ECSL24CK05 7433504858	EPIC RJ6ACSL28CK05 7433504869	EPIC RJ5ECSL28RK05 7433504881	EPIC RJ5ECSL24RK05 7433504891	EPIC RJ6ACSL28RK05 7433504902
1.0 m	EPIC RJ5ECSL28CK10 7433504848	EPIC RJ5ECSL24CK10 7433504859	EPIC RJ6ACSL28CK10 7433504870	EPIC RJ5ECSL28RK10 7433504881	EPIC RJ5ECSL24RK10 7433504892	EPIC RJ6ACSL28RK10 7433504903
1.5 m	EPIC RJ5ECSL28CK15 7433504849	EPIC RJ5ECSL24CK15 7433504860	EPIC RJ6ACSL28CK15 7433504871	EPIC RJ5ECSL28RK15 7433504882	EPIC RJ5ECSL24RK15 7433504893	EPIC RJ6ACSL28RK15 7433504904
2.0 m	EPIC RJ5ECSL28CK20 7433504850	EPIC RJ5ECSL24CK20 7433504861	EPIC RJ6ACSL28CK20 7433504872	EPIC RJ5ECSL28RK20 7433504883	EPIC RJ5ECSL24RK20 7433504894	EPIC RJ6ACSL28RK20 7433504905
2.5 m	EPIC RJ5ECSL28CK25 7433504851	EPIC RJ5ECSL24CK25 7433504862	EPIC RJ6ACSL28CK25 7433504873	EPIC RJ5ECSL28RK25 7433504884	EPIC RJ5ECSL24RK25 7433504895	EPIC RJ6ACSL28RK25 7433504906
3.0 m	EPIC RJ5ECSL28CK30 7433504852	EPIC RJ5ECSL24CK30 7433504863	EPIC RJ6ACSL28CK30 7433504874	EPIC RJ5ECSL28RK30 7433504885	EPIC RJ5ECSL24RK30 7433504896	EPIC RJ6ACSL28RK30 7433504907
3.5 m	EPIC RJ5ECSL28CK35 7433504853	EPIC RJ5ECSL24CK35 7433504864	EPIC RJ6ACSL28CK35 7433504875	EPIC RJ5ECSL28RK35 7433504886	EPIC RJ5ECSL24RK35 7433504897	EPIC RJ6ACSL28RK35 7433504908
4.0 m	EPIC RJ5ECSL28CK40 7433504854	EPIC RJ5ECSL24CK40 7433504865	EPIC RJ6ACSL28CK40 7433504876	EPIC RJ5ECSL28RK40 7433504887	EPIC RJ5ECSL24RK40 7433504898	EPIC RJ6ACSL28RK40 7433504909
4.5 m	EPIC RJ5ECSL28CK45 7433504855	EPIC RJ5ECSL24CK45 7433504866	EPIC RJ6ACSL28CK45 7433504877	EPIC RJ5ECSL28RK45 7433504888	EPIC RJ5ECSL24RK45 7433504899	EPIC RJ6ACSL28RK45 7433504910
5.0 m	EPIC RJ5ECSL28CK50 7433504856	EPIC RJ5ECSL24CK50 7433504867	EPIC RJ6ACSL28CK50 7433504878	EPIC RJ5ECSL28RK50 7433504889	EPIC RJ5ECSL24RK50 7433504900	EPIC RJ6ACSL28RK50 7433504911

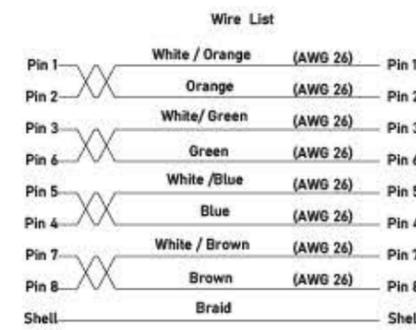


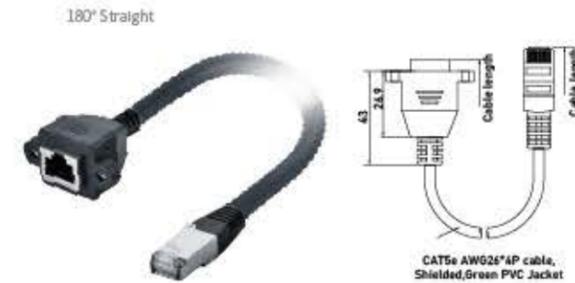
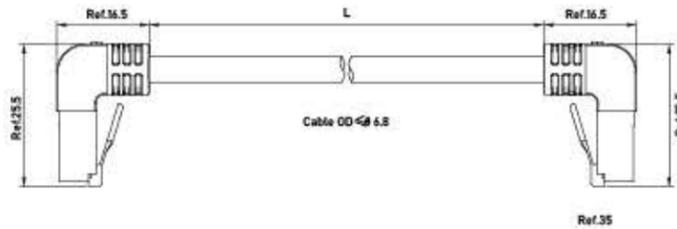


Connector Technical data								
Contacts No.	RJ45 8P8C	Cat 5E	Cat 5A	Cat 7				
Front View								
Reference standard	IEC60607-7							
Rated current	1.5A							
Rated voltage	30V							
Insulation voltage	1000V Contact to Contact, 1500V Contact to Screen							
Termination	Insulation Peeling Contact							
Rated temperature	-25 - 70°C							
Insulation resistance	>100MΩ							
Contact resistance	<30mΩ							
Over-molding	PVC TPU							
Contacts center	PC							
Contacts	Brass Gold-plated							
Characteristic impedance	100 Ω ±5%							
Coupling characteristics	≥ 35 dB from 20 to 100 MHz, ≥ 75 dB from 100 to 1 000 MHz, metal connectors							
Propagation delay	± 2.5 ns							
Insertion loss	≤ 1.4 dB, metal connectors							
Return loss	≥ 6 dB up to 1000 MHz, metal connectors							
NEXT loss	≥ 61 dB / 102.4 dB, pair to pair, metal connectors							
FEXT loss	≥ 63 dB / 95 dB, pair to pair, metal connectors							
Ordering No.								
Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 24	Cat 5E AWG 26	Cat 5A AWG 26	Cat 7 AWG 24	Cat 5E AWG 24	Cat 5E AWG 24	Cat 5A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EERDCL855-TOP 743304912	EPIC RJ5EERDCL855-TOP 743304923	EPIC RJ5AERDCL855-TOP 743304934	EPIC RJ7ERDCL855-TOP 743304945	EPIC RJ5EERDCL855-TOP 743304956	EPIC RJ5EERDCL855-TOP 743304967	EPIC RJ5AERDCL855-TOP 743304978	EPIC RJ7ERDCL855-TOP 743304989
0.5 m	EPIC RJ5EERDCL855-TOP 743304913	EPIC RJ5EERDCL855-TOP 743304924	EPIC RJ5AERDCL855-TOP 743304935	EPIC RJ7ERDCL855-TOP 743304946	EPIC RJ5EERDCL855-TOP 743304957	EPIC RJ5EERDCL855-TOP 743304968	EPIC RJ5AERDCL855-TOP 743304979	EPIC RJ7ERDCL855-TOP 743304990
0.6 m	EPIC RJ5EERDCL855-TOP 743304914	EPIC RJ5EERDCL855-TOP 743304925	EPIC RJ5AERDCL855-TOP 743304936	EPIC RJ7ERDCL855-TOP 743304947	EPIC RJ5EERDCL855-TOP 743304958	EPIC RJ5EERDCL855-TOP 743304969	EPIC RJ5AERDCL855-TOP 743304980	EPIC RJ7ERDCL855-TOP 743304991
1.0 m	EPIC RJ5EERDCL855-TOP 743304915	EPIC RJ5EERDCL855-TOP 743304926	EPIC RJ5AERDCL855-TOP 743304937	EPIC RJ7ERDCL855-TOP 743304948	EPIC RJ5EERDCL855-TOP 743304959	EPIC RJ5EERDCL855-TOP 743304970	EPIC RJ5AERDCL855-TOP 743304981	EPIC RJ7ERDCL855-TOP 743304992
1.5 m	EPIC RJ5EERDCL855-TOP 743304916	EPIC RJ5EERDCL855-TOP 743304927	EPIC RJ5AERDCL855-TOP 743304938	EPIC RJ7ERDCL855-TOP 743304949	EPIC RJ5EERDCL855-TOP 743304960	EPIC RJ5EERDCL855-TOP 743304971	EPIC RJ5AERDCL855-TOP 743304982	EPIC RJ7ERDCL855-TOP 743304993
2.0 m	EPIC RJ5EERDCL855-TOP 743304917	EPIC RJ5EERDCL855-TOP 743304928	EPIC RJ5AERDCL855-TOP 743304939	EPIC RJ7ERDCL855-TOP 743304950	EPIC RJ5EERDCL855-TOP 743304961	EPIC RJ5EERDCL855-TOP 743304972	EPIC RJ5AERDCL855-TOP 743304983	EPIC RJ7ERDCL855-TOP 743304994
2.5 m	EPIC RJ5EERDCL855-TOP 743304918	EPIC RJ5EERDCL855-TOP 743304929	EPIC RJ5AERDCL855-TOP 743304940	EPIC RJ7ERDCL855-TOP 743304951	EPIC RJ5EERDCL855-TOP 743304962	EPIC RJ5EERDCL855-TOP 743304973	EPIC RJ5AERDCL855-TOP 743304984	EPIC RJ7ERDCL855-TOP 743304995
3.0 m	EPIC RJ5EERDCL855-TOP 743304919	EPIC RJ5EERDCL855-TOP 743304930	EPIC RJ5AERDCL855-TOP 743304941	EPIC RJ7ERDCL855-TOP 743304952	EPIC RJ5EERDCL855-TOP 743304963	EPIC RJ5EERDCL855-TOP 743304974	EPIC RJ5AERDCL855-TOP 743304985	EPIC RJ7ERDCL855-TOP 743304996
3.5 m	EPIC RJ5EERDCL855-TOP 743304920	EPIC RJ5EERDCL855-TOP 743304931	EPIC RJ5AERDCL855-TOP 743304942	EPIC RJ7ERDCL855-TOP 743304953	EPIC RJ5EERDCL855-TOP 743304964	EPIC RJ5EERDCL855-TOP 743304975	EPIC RJ5AERDCL855-TOP 743304986	EPIC RJ7ERDCL855-TOP 743304997
4.0 m	EPIC RJ5EERDCL855-TOP 743304921	EPIC RJ5EERDCL855-TOP 743304932	EPIC RJ5AERDCL855-TOP 743304943	EPIC RJ7ERDCL855-TOP 743304954	EPIC RJ5EERDCL855-TOP 743304965	EPIC RJ5EERDCL855-TOP 743304976	EPIC RJ5AERDCL855-TOP 743304987	EPIC RJ7ERDCL855-TOP 743304998
4.5 m	EPIC RJ5EERDCL855-TOP 743304922	EPIC RJ5EERDCL855-TOP 743304933	EPIC RJ5AERDCL855-TOP 743304944	EPIC RJ7ERDCL855-TOP 743304955	EPIC RJ5EERDCL855-TOP 743304966	EPIC RJ5EERDCL855-TOP 743304977	EPIC RJ5AERDCL855-TOP 743304988	EPIC RJ7ERDCL855-TOP 743304999



Connector Technical data								
Contacts No.	RJ45 8P8C	Cat 5E	Cat 5A	Cat 7				
Front View								
Reference standard	IEC60607-7							
Rated current	1.5A							
Rated voltage	30V							
Insulation voltage	1000V Contact to Contact, 1500V Contact to Screen							
Termination	Insulation Peeling Contact							
Rated temperature	-25 - 70°C							
Insulation resistance	>100MΩ							
Contact resistance	<30mΩ							
Over-molding	PVC TPU							
Contacts center	PC							
Contacts	Brass Gold-plated							
Characteristic impedance	100 Ω ±5%							
Coupling characteristics	≥ 35 dB from 20 to 100 MHz, ≥ 75 dB from 100 to 1 000 MHz, metal connectors							
Propagation delay	± 2.5 ns							
Insertion loss	≤ 1.4 dB, metal connectors							
Return loss	≥ 6 dB up to 1000 MHz, metal connectors							
NEXT loss	≥ 61 dB / 102.4 dB, pair to pair, metal connectors							
FEXT loss	≥ 63 dB / 95 dB, pair to pair, metal connectors							
Ordering No.								
Cable length	PVC Cable (Green)				PUR Halogen Free Cable (Green)			
	Cat 5E AWG 24	Cat 5E AWG 26	Cat 5A AWG 26	Cat 7 AWG 24	Cat 5E AWG 24	Cat 5E AWG 24	Cat 5A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EELDCL855-ewal 743305000	EPIC RJ5EELDCL855-ewal 743305011	EPIC RJ5AELDCL855-ewal 743305022	EPIC RJ7ELDCL855-ewal 743305033	EPIC RJ5EELDCL855-ewal 743305044	EPIC RJ5EELDCL855-ewal 743305055	EPIC RJ5AELDCL855-ewal 743305066	EPIC RJ7ELDCL855-ewal 743305077
0.5 m	EPIC RJ5EELDCL855-ewal 743305001	EPIC RJ5EELDCL855-ewal 743305012	EPIC RJ5AELDCL855-ewal 743305023	EPIC RJ7ELDCL855-ewal 743305034	EPIC RJ5EELDCL855-ewal 743305045	EPIC RJ5EELDCL855-ewal 743305056	EPIC RJ5AELDCL855-ewal 743305067	EPIC RJ7ELDCL855-ewal 743305078
0.6 m	EPIC RJ5EELDCL855-ewal 743305002	EPIC RJ5EELDCL855-ewal 743305013	EPIC RJ5AELDCL855-ewal 743305024	EPIC RJ7ELDCL855-ewal 743305035	EPIC RJ5EELDCL855-ewal 743305046	EPIC RJ5EELDCL855-ewal 743305057	EPIC RJ5AELDCL855-ewal 743305068	EPIC RJ7ELDCL855-ewal 743305079
1.0 m	EPIC RJ5EELDCL855-ewal 743305003	EPIC RJ5EELDCL855-ewal 743305014	EPIC RJ5AELDCL855-ewal 743305025	EPIC RJ7ELDCL855-ewal 743305036	EPIC RJ5EELDCL855-ewal 743305047	EPIC RJ5EELDCL855-ewal 743305058	EPIC RJ5AELDCL855-ewal 743305069	EPIC RJ7ELDCL855-ewal 743305080
1.5 m	EPIC RJ5EELDCL855-ewal 743305004	EPIC RJ5EELDCL855-ewal 743305015	EPIC RJ5AELDCL855-ewal 743305026	EPIC RJ7ELDCL855-ewal 743305037	EPIC RJ5EELDCL855-ewal 743305048	EPIC RJ5EELDCL855-ewal 743305059	EPIC RJ5AELDCL855-ewal 743305070	EPIC RJ7ELDCL855-ewal 743305081
2.0 m	EPIC RJ5EELDCL855-ewal 743305005	EPIC RJ5EELDCL855-ewal 743305016	EPIC RJ5AELDCL855-ewal 743305027	EPIC RJ7ELDCL855-ewal 743305038	EPIC RJ5EELDCL855-ewal 743305049	EPIC RJ5EELDCL855-ewal 743305060	EPIC RJ5AELDCL855-ewal 743305071	EPIC RJ7ELDCL855-ewal 743305082
2.5 m	EPIC RJ5EELDCL855-ewal 743305006	EPIC RJ5EELDCL855-ewal 743305017	EPIC RJ5AELDCL855-ewal 743305028	EPIC RJ7ELDCL855-ewal 743305039	EPIC RJ5EELDCL855-ewal 743305050	EPIC RJ5EELDCL855-ewal 743305061	EPIC RJ5AELDCL855-ewal 743305072	EPIC RJ7ELDCL855-ewal 743305083
3.0 m	EPIC RJ5EELDCL855-ewal 743305007	EPIC RJ5EELDCL855-ewal 743305018	EPIC RJ5AELDCL855-ewal 743305029	EPIC RJ7ELDCL855-ewal 743305040	EPIC RJ5EELDCL855-ewal 743305051	EPIC RJ5EELDCL855-ewal 743305062	EPIC RJ5AELDCL855-ewal 743305073	EPIC RJ7ELDCL855-ewal 743305084
3.5 m	EPIC RJ5EELDCL855-ewal 743305008	EPIC RJ5EELDCL855-ewal 743305019	EPIC RJ5AELDCL855-ewal 743305030	EPIC RJ7ELDCL855-ewal 743305041	EPIC RJ5EELDCL855-ewal 743305052	EPIC RJ5EELDCL855-ewal 743305063	EPIC RJ5AELDCL855-ewal 743305074	EPIC RJ7ELDCL855-ewal 743305085
4.0 m	EPIC RJ5EELDCL855-ewal 743305009	EPIC RJ5EELDCL855-ewal 743305020	EPIC RJ5AELDCL855-ewal 743305031	EPIC RJ7ELDCL855-ewal 743305042	EPIC RJ5EELDCL855-ewal 743305053	EPIC RJ5EELDCL855-ewal 743305064	EPIC RJ5AELDCL855-ewal 743305075	EPIC RJ7ELDCL855-ewal 743305086
4.5 m	EPIC RJ5EELDCL855-ewal 743305010	EPIC RJ5EELDCL855-ewal 743305021	EPIC RJ5AELDCL855-ewal 743305032	EPIC RJ7ELDCL855-ewal 743305043	EPIC RJ5EELDCL855-ewal 743305054	EPIC RJ5EELDCL855-ewal 743305065	EPIC RJ5AELDCL855-ewal 743305076	EPIC RJ7ELDCL855-ewal 743305087





**Connector Technical data**

Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference standard	IEC 60603-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact to Contact, 100V Contact to Shield			
Termination	Insulation Piercing Contact			
Rated temperature	-20 ~ 70			
Insulation resistance	> 100MΩ			
Conductivity	1.200S			
Over-molding	PVC/TPU			
Conduct. cable	PVC			
Conduct. shield	Braided Mesh			
Classification: impedance	120Ω UTP			
Coupling attenuation	3.50 dB from 100Ω, 100 MHz, 1.75 dB from 100Ω, 1.000 MHz, shield connection			
Propagation delay	42.5 ns			
Shielding loss	45.1 dB, shield connection			
Return loss	50 dB up to 100 MHz, shield connection			
RFCT loss	3.50 dB from 100Ω, 100 MHz, shield connection			
RFCT loss	3.50 dB from 100Ω, 100 MHz, shield connection			

**Ordering No.**

Cable length	PVC Cable (Shield)				PUR Halogen Free Cable (Shield)			
	Cat 5E AWG 26	Cat 6A AWG 26	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 6A AWG 26	Cat 6A AWG 26	Cat 7 AWG 24
0.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
1.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
1.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
2.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
2.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
3.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
3.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
4.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
4.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
5.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
5.5m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372
6.0m	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372	EPIC RJ5E08S-26CG50-RJ45L 74335373	EPIC RJ5E08S-26CG100-RJ45L 74335374	EPIC RJ5E08S-26CG10-RJ45L 74335370	EPIC RJ5E08S-26CG20-RJ45L 74335371	EPIC RJ5E08S-26CG30-RJ45L 74335372

**Wiring Diagram**

Pin	Wire List	Pin
Pin 1	White / Orange (AWG 26)	Pin 1
Pin 2	Orange (AWG 26)	Pin 2
Pin 3	White / Green (AWG 26)	Pin 3
Pin 6	Green (AWG 26)	Pin 6
Pin 5	White / Blue (AWG 26)	Pin 5
Pin 4	Blue (AWG 26)	Pin 4
Pin 7	White / Brown (AWG 26)	Pin 7
Pin 8	Brown (AWG 26)	Pin 8
Shell	Braid	Shell

**Connector Technical data**

Contacts No.	RJ45 male	RJ45 female
Front View		
Reference standard	IEC 60603-7-7	
Rated current	1.5A	
Rated voltage	30V	
Impulse voltage	1000V	
Locking system	M2 x 0.4mm screw	
Tightening torque	Recommended : 0.4 Nm , Max : 0.8 Nm	
Termination	Soldering/ Insulation Piercing Contact	
Wire gauge	0.14~0.25mm <sup>2</sup> (AWG26~24)	
Rated temperature	Flexible: -5 ~ 80°C ; Static: -40 ~ 80°C	
Insulation resistance	≥100MΩ	
Contact resistance	≤10mΩ	
Over-molding	PVC/TPU	
Contacts carrier	PC	
Contacts	Male: Brass, PE Pin: Phosphor bronze	
Contacts plating	Au (Gold)	
EMC Shielding	Shielded	
Characteristic impedance	100Ω±25	
Coupling attenuation	≥35db	
Delayed	≤2.5 ns	
Insertion Loss	≤0.1db	
Return Loss	68db	
Near End Crosstalk Loss	≥94db	
Far End Crosstalk Loss	≥83db	

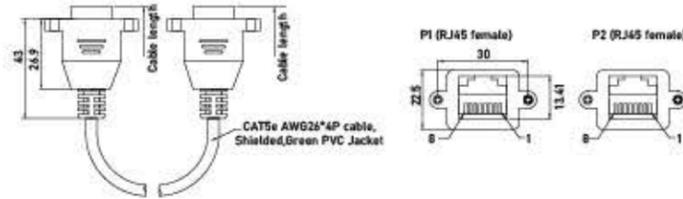
**Ordering No.**

Cable length	180° Straight PVC (Cable)	
	Ordering No.	Ordering No.
1 m	EPIC RJ5E08S-26CG10-RJ45L	74335370
2 m	EPIC RJ5E08S-26CG20-RJ45L	74335371
3 m	EPIC RJ5E08S-26CG30-RJ45L	74335372
5 m	EPIC RJ5E08S-26CG50-RJ45L	74335373
10 m	EPIC RJ5E08S-26CG100-RJ45L	74335374

**Wiring Diagram**

P1(RJ45 female)	Wire List	P2(RJ45 female)
Pin 1	White / Orange (AWG 26)	Pin 1
Pin 2	Orange (AWG 26)	Pin 2
Pin 3	White / Green (AWG 26)	Pin 3
Pin 4	Green (AWG 26)	Pin 4
Pin 5	White / Blue (AWG 26)	Pin 5
Pin 6	Blue (AWG 26)	Pin 6
Pin 7	White / Brown (AWG 26)	Pin 7
Pin 8	Brown (AWG 26)	Pin 8
Shell	Braid	Shell

RJ45 Female/Female Connector with Locking Screw, Molded With Cable



Connector Technical data

RJ45 female	
Contacts No.	8
Front View	
Reference standard	IEC 60603-7-7
Rated current	1.5A
Rated voltage	30V
Impulse voltage	1000V
Locking system	M2 x 0.4mm screw
Tightening torque	Recommended : 0.4 Nm , Max: 0.8 Nm
Termination	Soldering/ Insulation Piercing Contact
Wire gauge	0.14~0.25mm <sup>2</sup> (AWG26~24)
Rated temperature	Flexible: -5 ~ 80°C; Static: -40 ~ 80°C
Insulation resistance	≥100MΩ
Contact resistance	≤10mΩ
Over-molding	PVC/TPU
Contacts carrier	PC
Contacts	Male: Brass, PE Pin: Phosphor bronze
Contacts plating	Au (Gold)
EMC Shielding	Shielded
Characteristic impedance	100Ω±25
Coupling attenuation	≥35db
Delayed	≤2.5 ns
Insertion Loss	≤0.1db
Return Loss	≥8db
Near End Crosstalk Loss	≥94db
Far End Crosstalk Loss	≥83db

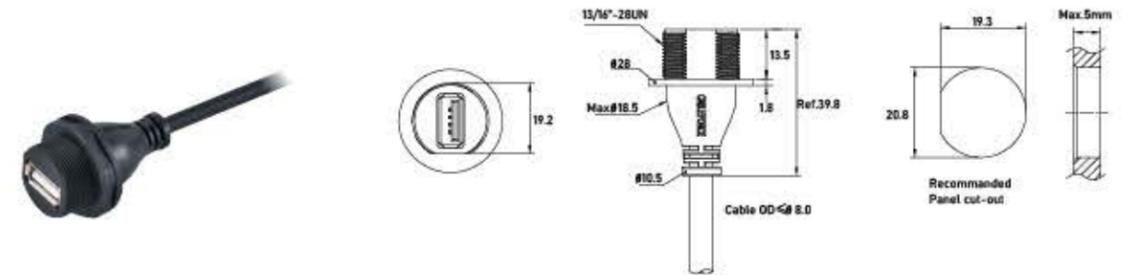
Ordering No.

Cable length	180° Straight PVC (Cable)	
	Ordering No.	Ordering No.
1 m	EPIC RJ5E08S-26CG10	74335380
2 m	EPIC RJ5E08S-26CG20	74335381
3 m	EPIC RJ5E08S-26CG30	74335382
5 m	EPIC RJ5E08S-26CG50	74335383
10 m	EPIC RJ5E08S-26CG100	74335384

Wiring Diagram



USB, Field Wire-able, EMI-Shielded, Crimping Termination



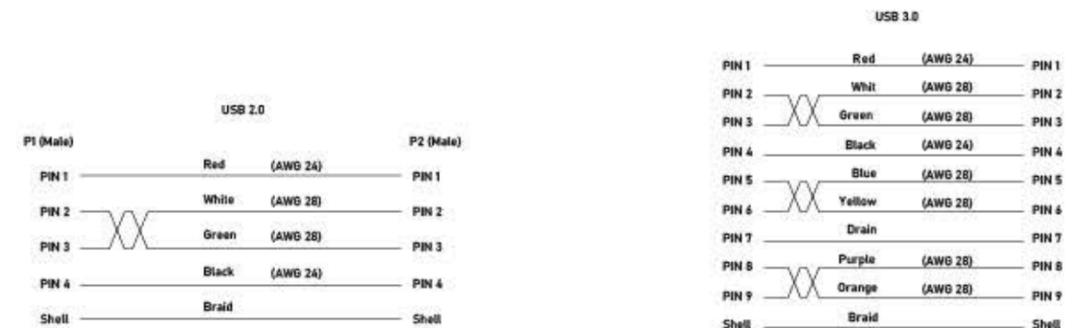
Connector Technical data

USB 2.0 female		USB 3.0 female	
Contacts No.	5	9	9
Front View			
Reference standard	USB 2.0 , USB 3.0		
Rated current	1.8A		
Rated voltage	30V		
Impulse voltage	500V		
Locking system	13/16 ~ 28UN screw (13/16~ 28UN)		
Tightening torque	Recommended : 1.0 Nm , Max: 1.2 Nm		
Termination	Soldering		
Wire gauge	0.25 ~ 0.05mm <sup>2</sup> (24 ~ 30 AWG)		
Rated temperature	Flexible : - 25 ~ 80°C ; Static : - 40 ~ 80°C		
Insulation resistance	> 100 MΩ		
Contact resistance	< 30 mΩ		
Over-molding	PVC/TPU		
Contacts carrier	PBT		
Screw nut	PA6 , Black		
Contacts	Phosphor bronze		
Contacts plating	Au(Gold)		
O-Ring	FKM / Silicon		
Protection degree	IP67		
Pollution degree	3		
EMC Shielding	Shielded		

Ordering No.

Cable length	USB 2.0		USB 3.0	
	PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
1 m	EPIC U204C2L88P-24CK10	EPIC U204C2L88P-24RK10	EPIC U309C2L88P-24CK10	EPIC U309C2L88P-24RK10
	7433505208	7433505212	7433505216	7433505220
2 m	EPIC U204C2L88P-24CK20	EPIC U204C2L88P-24RK20	EPIC U309C2L88P-24CK20	EPIC U309C2L88P-24RK20
	7433505209	7433505213	7433505217	7433505221
3 m	EPIC U204C2L88P-24CK30	EPIC U204C2L88P-24RK30	EPIC U309C2L88P-24CK30	EPIC U309C2L88P-24RK30
	7433505210	7433505214	7433505218	7433505222
5 m	EPIC U204C2L88P-24CK50	EPIC U204C2L88P-24RK50	EPIC U309C2L88P-24CK50	EPIC U309C2L88P-24RK50
	7433505211	7433505215	7433505219	7433505223

Wiring Diagram



# Cable Assembly and Wire Harness

Highly Tailor-made Cable Solution. !  
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Connecting cables as well as customized cable assembly and wire harness, such as Power+ Signal hybrid cable connector assembly, Industrial Drag Chain Cable, PLC and servo motor cables, UL2651, UL2468 Ribbon cables. Whether your application is simple or complex, standard or very custom, we have the technical expertise and the manufacturing capability to help.

# Cable Harness

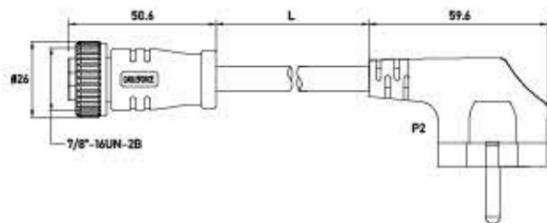
-  Low Smoking Zero Halogen
-  RoHS Compliant
-  UL94 Flame Retardant
-  Suitable for railway applications
-  High-Low temperature resistant
-  Electromagnetic resistance
-  Oil, coolants, lubricants and emulsion resistance
-  Drag chain suitability
-  UV resistance



## 7/8" Power Cord



7/8" 5Pin female connector to CEE 7/7 power plug, molded 3x16AWG PVC jacket cable



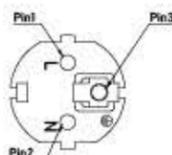
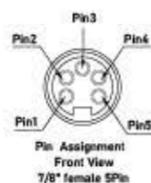
### Connector Technical data

Rated current	9A
Rated voltage	300V
Impulse voltage	2500V
Locking system	7/8" screw
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm
Termination	Crimping
Cable specification	3x1.5mm <sup>2</sup> (AWG 18) PVC Cable
Rated temperature	-25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protecton degree	IP67 (7/8")
Pollution degree	3

### Ordering No.

Wire length	Part number	
1.5 m	EPIC MF05C2LCAB-CE7R-18CK15	74338131
2.0 m	EPIC MF05C2LCAB-CE7R-18CK20	74338132
2.5 m	EPIC MF05C2LCAB-CE7R-18CK25	74338133
3.0 m	EPIC MF05C2LCAB-CE7R-18CK30	74338134
3.5 m	EPIC MF05C2LCAB-CE7R-18CK35	74338135
4.0 m	EPIC MF05C2LCAB-CE7R-18CK40	74338136
4.5 m	EPIC MF05C2LCAB-CE7R-18CK45	74338137
5.0 m	EPIC MF05C2LCAB-CE7R-18CK50	74338138

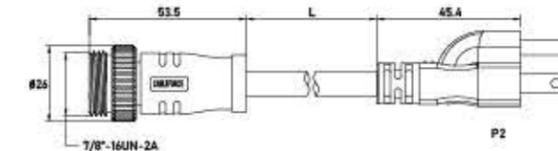
### Wiring Diagram



## 7/8" Power Cord



7/8" 5Pin male connector to NEMA 5-15P US power plug, molded 3x16AWG PVC jacket cable



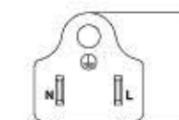
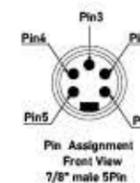
### Connector Technical data

Rated current	9A
Rated voltage	300V
Impulse voltage	2500V
Locking system	7/8" screw
Tightening Torque	Recommend : 1.5Nm, Max : 2.0Nm
Termination	Crimping
Cable specification	3x1.5mm <sup>2</sup> (AWG 16) PVC Cable
Rated temperature	-25 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Over-molding	TPU
Contact carrier	TPU + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protecton degree	IP67 (7/8")
Pollution degree	3

### Ordering No.

Wire length	Part number	
1.5 m	EPIC MF05C1LCAB-NE5-18CK15	74338139
2.0 m	EPIC MF05C1LCAB-NE5-18CK20	74338140
2.5 m	EPIC MF05C1LCAB-NE5-18CK25	74338141
3.0 m	EPIC MF05C1LCAB-NE5-18CK30	74338142
3.5 m	EPIC MF05C1LCAB-NE5-18CK35	74338143
4.0 m	EPIC MF05C1LCAB-NE5-18CK40	74338144
4.5 m	EPIC MF05C1LCAB-NE5-18CK45	74338145
5.0 m	EPIC MF05C1LCAB-NE5-18CK50	74338146

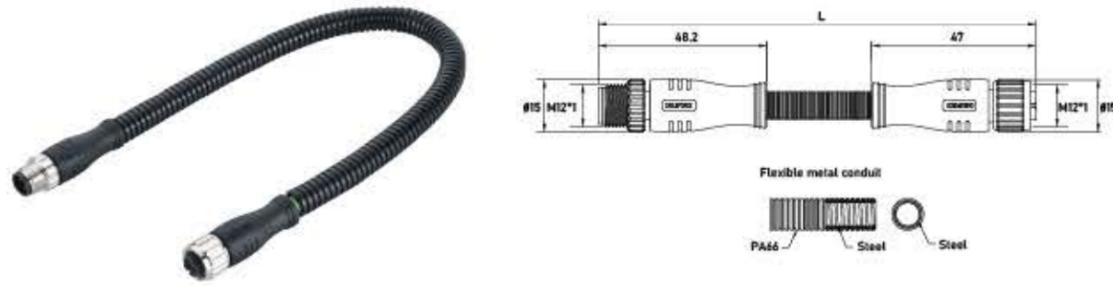
### Wiring Diagram



## M12 Armoured Connecting Cable



M12 male to female, double ended, flexible conduit with steel armoured cable, 360° EMI-Shielded



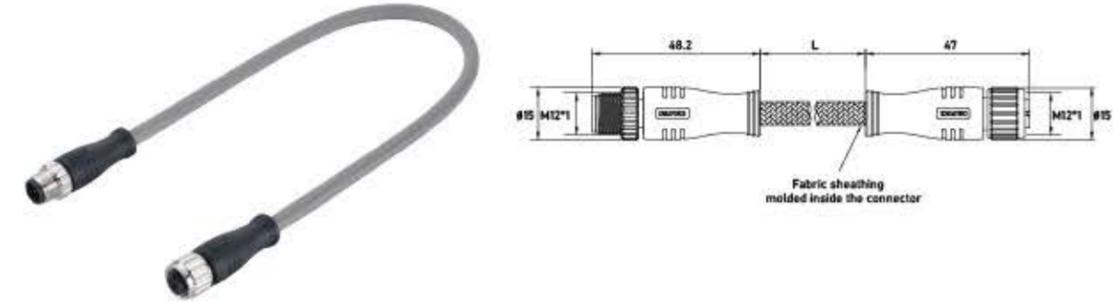
Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Termination	Soldering					
Cable specification	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> AWG24	0.14mm <sup>2</sup> (AWG 26)
Protection conduit	Nylon 66 conduit armoured with steel shield					
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass / Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					
Ordering No.						
Poles	Cable length	PVC (Cable)			PUR (Cable)	
3 Pin	1 m	EPIC MC03C3LSAB22CK10-FC	74336147	EPIC MC03C3LSAB22RK10-FC	74336162	
	2 m	EPIC MC03C3LSAB22CK20-FC	74336148	EPIC MC03C3LSAB22RK20-FC	74336163	
	5 m	EPIC MC03C3LSAB22CK50-FC	74336149	EPIC MC03C3LSAB22RK50-FC	74336164	
4 Pin	1 m	EPIC MC04C3LSAB22CK10-FC	74336150	EPIC MC04C3LSAB22RK10-FC	74336165	
	2 m	EPIC MC04C3LSAB22CK20-FC	74336151	EPIC MC04C3LSAB22RK20-FC	74336166	
	5 m	EPIC MC04C3LSAB22CK50-FC	74336152	EPIC MC04C3LSAB22RK50-FC	74336167	
5 Pin	1 m	EPIC MC05C3LSAB22CK10-FC	74336153	EPIC MC05C3LSAB22RK10-FC	74336168	
	2 m	EPIC MC05C3LSAB22CK20-FC	74336154	EPIC MC05C3LSAB22RK20-FC	74336169	
	5 m	EPIC MC05C3LSAB22CK50-FC	74336155	EPIC MC05C3LSAB22RK50-FC	74336170	
8 Pin	1 m	EPIC MC08C3LSAB24CK10-FC	74336156	EPIC MC08C3LSAB24RK10-FC	74336171	
	2 m	EPIC MC08C3LSAB24CK20-FC	74336157	EPIC MC08C3LSAB24RK20-FC	74336172	
	5 m	EPIC MC08C3LSAB24CK50-FC	74336158	EPIC MC08C3LSAB24RK50-FC	74336173	
12 Pin	1 m	EPIC MC12C3LSAB26CK10-FC	74336159	EPIC MC12C3LSAB26RK10-FC	74336174	
	2 m	EPIC MC12C3LSAB26CK20-FC	74336160	EPIC MC12C3LSAB26RK20-FC	74336175	
	5 m	EPIC MC12C3LSAB26CK50-FC	74336161	EPIC MC12C3LSAB26RK50-FC	74336176	



## M12 Armoured Connecting Cable



M12 male to female, double ended, Glass fiber fabric sheath tube armoured cable



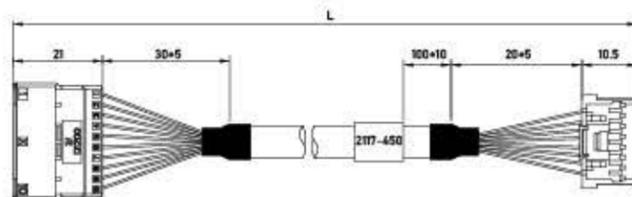
Connector Technical data						
Contacts No.	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin
Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	1.5A
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	500V
Locking system	M12 x 1.0 screw					
Tightening Torque	Recommend: 0.4Nm, Max: 0.8Nm					
Termination	Soldering					
Cable specification	0.34mm <sup>2</sup> (AWG 22)				0.25mm <sup>2</sup> (AWG 24)	0.14mm <sup>2</sup> (AWG 26)
Protection conduit	Glass fiber fabric sheath tube					
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C					
Insulation resistance	≥100MΩ					
Contact resistance	≤5mΩ					
Over-molding	TPU					
Contact carrier	TPU + GF					
Screw nut	Brass, CNC, nickel-plated					
Contact	Brass / Phosphor bronze					
Contacts plating	Au (Gold)					
O-ring	FKM / Silicon O-Ring					
Protection degree	IP67					
Pollution degree	3					
Ordering No.						
Poles	Cable length	PVC (Cable)			PUR (Cable)	
3 Pin	1 m	EPIC MC03C3LSAB22CK10-FS	74336177	EPIC MC03C3LSAB22RK10-FS	74336192	
	2 m	EPIC MC03C3LSAB22CK20-FS	74336178	EPIC MC03C3LSAB22RK20-FS	74336193	
	5 m	EPIC MC03C3LSAB22CK50-FS	74336179	EPIC MC03C3LSAB22RK50-FS	74336194	
4 Pin	1 m	EPIC MC04C3LSAB22CK10-FS	74336180	EPIC MC04C3LSAB22RK10-FS	74336195	
	2 m	EPIC MC04C3LSAB22CK20-FS	74336181	EPIC MC04C3LSAB22RK20-FS	74336196	
	5 m	EPIC MC04C3LSAB22CK50-FS	74336182	EPIC MC04C3LSAB22RK50-FS	74336197	
5 Pin	1 m	EPIC MC05C3LSAB22CK10-FS	74336183	EPIC MC05C3LSAB22RK10-FS	74336198	
	2 m	EPIC MC05C3LSAB22CK20-FS	74336184	EPIC MC05C3LSAB22RK20-FS	74336199	
	5 m	EPIC MC05C3LSAB22CK50-FS	74336185	EPIC MC05C3LSAB22RK50-FS	74336200	
8 Pin	1 m	EPIC MC08C3LSAB24CK10-FS	74336186	EPIC MC08C3LSAB24RK10-FS	74336201	
	2 m	EPIC MC08C3LSAB24CK20-FS	74336187	EPIC MC08C3LSAB24RK20-FS	74336202	
	5 m	EPIC MC08C3LSAB24CK50-FS	74336188	EPIC MC08C3LSAB24RK50-FS	74336203	
12 Pin	1 m	EPIC MC12C3LSAB26CK10-FS	74336189	EPIC MC12C3LSAB26RK10-FS	74336204	
	2 m	EPIC MC12C3LSAB26CK20-FS	74336190	EPIC MC12C3LSAB26RK20-FS	74336205	
	5 m	EPIC MC12C3LSAB26CK50-FS	74336191	EPIC MC12C3LSAB26RK50-FS	74336206	



## Servo Motor Control Cable



Servo motor control cable, with TE: 1-1903130-0 and Molex: 5016461600 connectors



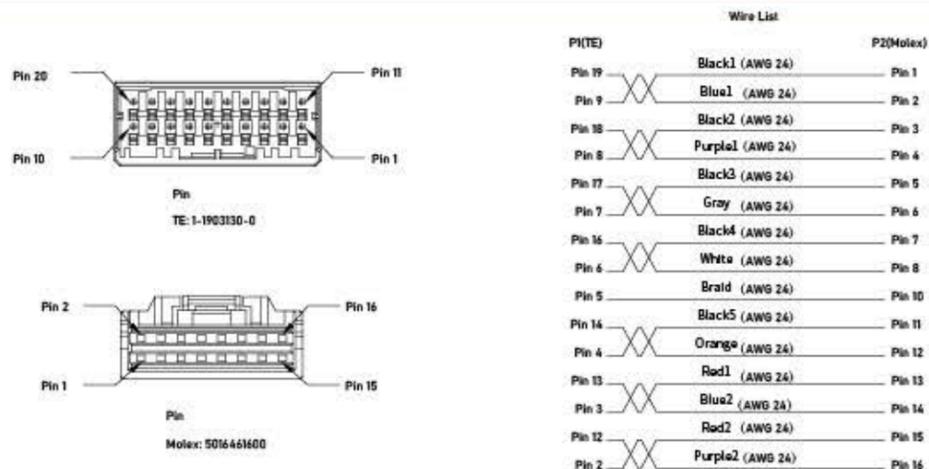
### Connector Technical data

Contacts No.	TE: 1-1903130-0 Male 20Pin	Molex: 5016461600 Female 16Pin
Front View		
Rated current	2A	
Rated voltage	60V	
Impulse voltage	1500V	
Termination	Crimping type	
Cable specification	0.25mm <sup>2</sup> (AWG 24)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Housing	PA66	
Contact	Brass	
Contacts plating	TIN	
Bending Radius	5 x OD	
Drag chain bending	10 Million times	
Pollution degree	3	

### Ordering No.

Wire length	Part number	
1.5 m	EPIC 2117-150	74336207
2.0 m	EPIC 2117-200	74336208
2.5 m	EPIC 2117-250	74336209
3.0 m	EPIC 2117-300	74336210
3.5 m	EPIC 2117-350	74336211
4.0 m	EPIC 2117-400	74336212
4.5 m	EPIC 2117-450	74336213
5.0 m	EPIC 2117-500	74336214

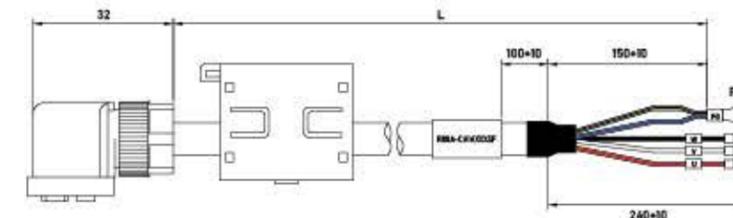
### Wiring Diagram



## Servo Motor Control Cable



Servo motor control cable, with JN6 connector, end with wire terminals



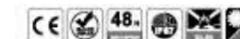
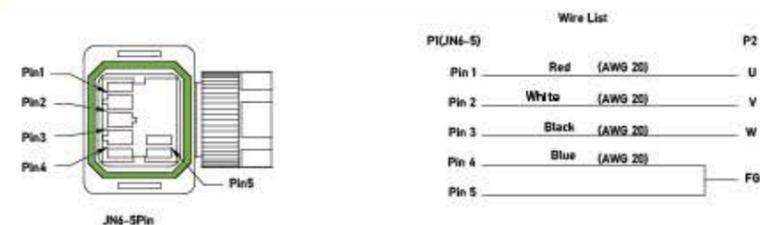
### Connector Technical data

Contacts No.	JN6-5 Female 5Pin
Front View	
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Termination	Crimping type
Cable specification	0.5mm <sup>2</sup> (AWG 20)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	10 Million times
Pollution degree	3

### Ordering No.

Wire length	Part number	
1.5 m	EPIC R88A-CA1A001.5SF	74336215
2.0 m	EPIC R88A-CA1A002SF	74336216
2.5 m	EPIC R88A-CA1A002.5SF	74336217
3.0 m	EPIC R88A-CA1A003SF	74336218
3.5 m	EPIC R88A-CA1A003.5SF	74336219
4.0 m	EPIC R88A-CA1A004SF	74336220
4.5 m	EPIC R88A-CA1A004.5SF	74336221
5.0 m	EPIC R88A-CA1A005SF	74336222

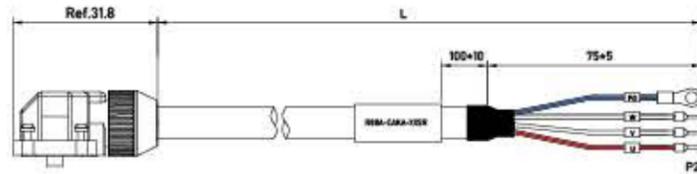
### Wiring Diagram



## Servo Motor Control Cable



Servo motor control cable, with JN8 connector, end with wire terminals



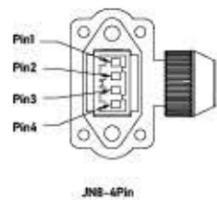
### Connector Technical data

Contacts No.	JN8 Female 4 Pin
Front View	
Rated current	6A
Rated voltage	250V
Impulse voltage	2500V
Termination	Crimping type
Cable specification	0.5mm <sup>2</sup> (AWG 20)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	10 Million times
Pollution degree	3

### Ordering No.

Wire length	Part number	
1.5 m	EPIC R88A-CAKA-01.5SR	74336223
2.0 m	EPIC R88A-CAKA-02SR	74336224
2.5 m	EPIC R88A-CAKA-02.5SR	74336225
3.0 m	EPIC R88A-CAKA-03SR	74336226
3.5 m	EPIC R88A-CAKA-03.5SR	74336227
4.0 m	EPIC R88A-CAKA-04SR	74336228
4.5 m	EPIC R88A-CAKA-04.5SR	74336229
5.0 m	EPIC R88A-CAKA-05SR	74336230

### Wiring Diagram

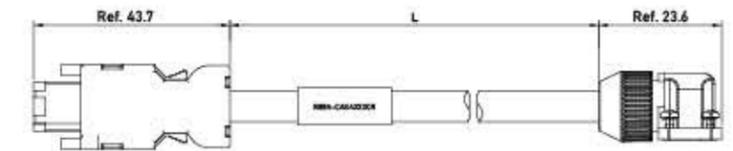


Wire List		
P1(JN8-4)	Red (0.5mm <sup>2</sup> )	P2
Pin 1	White (0.5mm <sup>2</sup> )	U
Pin 2	Black (0.5mm <sup>2</sup> )	V
Pin 3	Blue (0.5mm <sup>2</sup> )	W
Pin 4		FD

## Servo Motor Control Cable



Servo motor control cable, with Molex IEEE 1394 and JN6 connectors



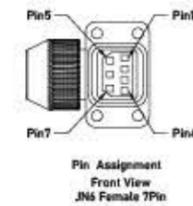
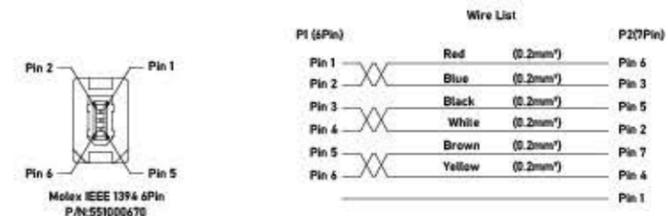
### Connector Technical data

Contacts No.	Molex IEEE 1394 Male 6Pin	JN6 Female 7Pin
Front View		
Rated current	2A	
Rated voltage	60V	
Impulse voltage	1500V	
Termination	Crimping type	
Cable specification	0.2mm <sup>2</sup> (AWG 24)	
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Housing	PA66	
Contact	Brass	
Contacts plating	Au (Gold) / TIN	
Bending Radius	8 x OD	
Drag chain bending	10 Million times	
Pollution degree	3	

### Ordering No.

Wire length	Part number	
1.5 m	EPIC R88A-CAKA001.5CR	74336231
2.0 m	EPIC R88A-CAKA002CR	74336232
2.5 m	EPIC R88A-CAKA002.5CR	74336233
3.0 m	EPIC R88A-CAKA003CR	74336234
3.5 m	EPIC R88A-CAKA003.5CR	74336235
4.0 m	EPIC R88A-CAKA004CR	74336236
4.5 m	EPIC R88A-CAKA004.5CR	74336237
5.0 m	EPIC R88A-CAKA005CR	74336238

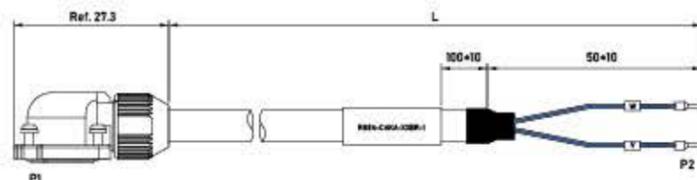
### Wiring Diagram



## Servo Motor Control Cable



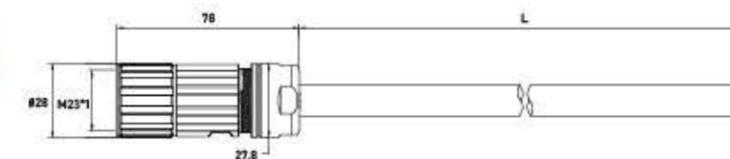
M12 A-Code 5Pin male connector molded with CAN BUS thin cable, end with 6Pin 2.38 Pitch automotive connector



## Servo Motor Control Cable



M23 6Pin power connector with servo motor control cable



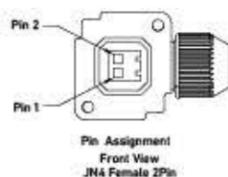
### Connector Technical data

Contacts No.	JN4 Female 2Pin
Front View	
Rated current	2A
Rated voltage	60V
Impulse voltage	1500V
Termination	Crimping type
Cable specification	0.3mm <sup>2</sup> (AWG 24)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	8 x OD
Drag chain bending	10 Million times
Pollution degree	3

### Ordering No.

Wire length	Part number
1.5 m	EPIC R88A-CAKA-01.5BR-1 74336239
2.0 m	EPIC R88A-CAKA-02BR-1 74336240
2.5 m	EPIC R88A-CAKA-02.5BR-1 74336241
3.0 m	EPIC R88A-CAKA-03BR-1 74336242
3.5 m	EPIC R88A-CAKA-03.5BR-1 74336243
4.0 m	EPIC R88A-CAKA-04BR-1 74336244
4.5 m	EPIC R88A-CAKA-04.5BR-1 74336245
5.0 m	EPIC R88A-CAKA-05BR-1 74336246

### Wiring Diagram



Wire List		
P1(JN4-2)	Blue 1 (0.3mm <sup>2</sup> )	P2 W
Pin 1	Blue 2 (0.3mm <sup>2</sup> )	V

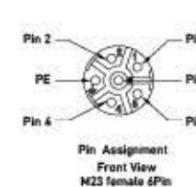
### Connector Technical data

Contacts No.	M23 Female 6Pin
Front View	
Rated current	30A
Rated voltage	630V
Impulse voltage	6kV
Termination	Crimping type
Cable specification	2.5mm <sup>2</sup> (AWG 12)
Rated temperature	-25 °C ... +80 °C; -40 °C ... +105 °C
Insulation resistance	≥10MΩ
Contact resistance	≤5mΩ
Housing	PA66
Contact	Brass
Contacts plating	Au (Gold)
Bending Radius	5 x OD
Drag chain bending	5 Million times
Pollution degree	3

### Ordering No.

Wire length	Part number
1.5 m	EPIC MG06C2LCAB-2.5CO15 74335909
2.0 m	EPIC MG06C2LCAB-2.5CO20 74335910
2.5 m	EPIC MG06C2LCAB-2.5CO25 74335911
3.0 m	EPIC MG06C2LCAB-2.5CO30 74335912
3.5 m	EPIC MG06C2LCAB-2.5CO35 74335913
4.0 m	EPIC MG06C2LCAB-2.5CO40 74335914
4.5 m	EPIC MG06C2LCAB-2.5CO45 74335915
5.0 m	EPIC MG06C2LCAB-2.5CO50 74335916

### Wiring Diagram



Wire List		
Pin 1	Black 1 (2.5mm <sup>2</sup> )	
Pin 2	Black 2 (2.5mm <sup>2</sup> )	
Pin 5	Black 3 (2.5mm <sup>2</sup> )	
PE	Green / Yellow (2.5mm <sup>2</sup> )	



# NMEA 2000 Boat Cable Connectors

Highly Tailor-made Cable Solution. |  
[www.lapp.com](http://www.lapp.com)



NMEA 2000 abbreviated to NMEA2k or N2K and standardized as IEC 61162-3, is a plug-and-play communications standard used for connecting marine sensors and display units within ships and boats. Electrically NMEA 2000 is compatible with the CANBus used on road vehicles and DeviceNet fieldbus cable specifications. Of NMEA 2000, LAPP have developed the N2K Trunk-line (15AWG+18AWG) and drop-line 22AWG+24AWG cable and connectors, includes: M12 cable and bulkhead, 7/8" Mini cable and bulkhead and the 120 ohm terminal resistor connector. During the designing stage we have taken following factors into consideration, such as waterproof, harsh temperature shocking, hydrolysis resistant, oil resistant, anti-chemical, corrosion resistance, UV resistance, abrasion resistance, plug mating force and endurance performance.

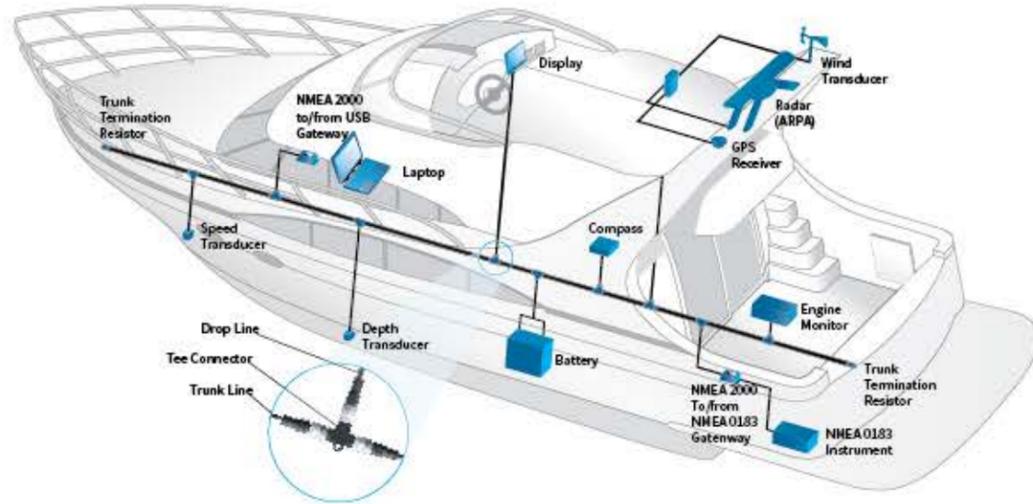


## NMEA 2000

### Boat Cable Connectors

- Mini Cable, Mid Cable, Micro Cables Connectors
- T-Connector, Power-tap, Terminator, Power fuse
- Panel mount bulkhead connectors
- Cable length can be customized
- Protection degree: IP67, IP68
- Temperature range: -40°C - 80°C

NMEA 2000 is a plug-and-play communications standard used for connecting marine sensors and display units within ships and boats. Communication runs at 250 kilobits-per-second and allows any sensor to talk to any display unit or other device compatible with NMEA 2000 protocols. Electrically, NMEA 2000 is compatible with the CAN-Bus used on road vehicles and fuel engines. The examples of marine electronic devices to include in a network are GPS receivers, auto pilots, wind instruments, depth sounders, navigation instruments, engine instruments, and nautical chart plotters.



### Cableforce Micro and Mini Cable Systems

There are generally two types of NMEA 2000 cabling systems, Micro and Mini. The Micro cable system is generally used for smaller networks requiring less power (i.e., less than 4amps per network leg) while the Mini cable system is used for larger networks (i.e., more than 4 amps but less than 8 amps per leg).

Cableforce have developed the N2K drop-line 22AWG+24AWG cable and connectors as well as N2K Trunk-line (15AWG+18AWG) Mini cable & connectors, includes: the Trunk line and Drop Line cables, panel mount connectors, Tee Connectors, Terminators, Power-tap Tee Cables etc...

### Cableforce NMEA 2000 Cable & Connectors Features

- Simple trunk and drop line topology interconnects all NMEA 2000 sensors and equipment.
- Drop line topology allows powered component removal or re-connection while rest of network remains operational.
- Cable includes signal, power and ground for powering equipment drawing less than 1 amp/ device.
- Connectors include keyway coding for simple error free connections.
- Anti-Vibration designed screw thread connectors reduce chances of accidental disconnects of essential equipment.
- Hydraulic resistant material and Waterproof connection design prevents corroded intermittent connections and continues to operate even while submerged in the bilge.
- Independent cable RFI shields (power pair, signal pair, and overall cable) protects system from external noise sources such as high power radio transmitters and radar units.
- Plastic nickel plated brass or Stainless steel SUS316 connector locking screws ideally suited to harsh marine environment.
- Phosphor bronze contacts base material with gold over nickel plate for long time reliable connections.
- Over molded cable connector ends provide strain relief.



### M12 Micro Cable

Double-ended cordsets are used for trunk or drop lines and make for a secure connection and simple time saving installation. The connectors are keyed for error-free connection and they are waterproof for continued operation even while submerged in the water.

- Rugged, IP68 rated connectors for continued connection integrity in marine environments
- Various cable lengths to match installation requirements.



### Micro M12 Bulkhead

The Micro Bulkhead is installed on the devices enclosure panel as the drop cables receptacle.

- Metal and Plastic Body are both available
- Rugged housing material designed to withstand harsh marine environments
- Lead wires or PCB soldering contacts
- Anti-rotation design
- Waterproof rated to IP67



### Mini 7/8" Cable

The double-ended cordsets are used for trunk lines. The connectors are keyed for error-free connection and they are waterproof for continued operation even while submerged in the water.

- Rugged, IP68 rated connectors for continued connection integrity in marine environments
- Various cable lengths to match installation requirements



### Micro M12 T-Connector

A Tee is used to tap into the trunk line for adding a drop connection. T-Connectors are used to connect a NMEA 2000 device to the NMEA 2000 backbone; it is an adaptor or splitter between the Trunk line and Drop line. The T-Connector splits wires into 2 separate connectors, allowing installation of two single-channel input or output devices to each port of hardwired distribution box. Connectors are available with parallel circuits, which allow input or output signals to run or trigger devices simultaneously.



### Field-Attachable Connectors

Field-attachable connectors allow you to make field connections to bulk cable (see diagram). The connectors are keyed for error-free connection of field installation.

- Rugged housing material designed to withstand harsh marine environments
- Useful in tight spaces or where sharp corners need to be made
- Waterproof rated to IP67



### Mini 7/8" Bulkhead

The Mini Bulkhead is installed on the devices enclosure panel as the trunk cables receptacle.

- Brass with nickel plated screw
- Rugged housing material designed to withstand harsh marine environments
- Lead wires or PCB soldering contacts
- Anti-rotation design
- Waterproof rated to IP67



### Micro Power Tap

A Powertap Tee is connected to a network backbone just like any Tee but rather than connecting a device their purpose is to provide "BUS" power. Cableforce Powertap Tee uniquely provides two power inputs permitting doubled power provision for devices.



### Termination Resistors

Two termination resistors are required on every NMEA 2000 network, one on each end of the trunk line. Normally, a male termination is used since male pins tend to point back to the power source. In cases where the gender is reversed, a female terminator may be required. The inline terminator is used where the network is terminated at a product, for example a GPS or weather station at the top of a mast.

- Screw terminal connector for positive connections
- Termination resistors are used to terminate both ends of the trunk line



### Micro Bulk Cable

Micro bulk cable is primarily used as drop cable, but it can also be used at the trunk line depending on network power requirements. Bulk cable with field-attachable connectors allows for maximum flexibility as cables can be made on the job to exact lengths.

- Meets and exceeds NMEA 2000 specifications for the highest reliability
- Trunk or drop cable for use with Micro connectors
- Used with field-attachable connectors to build exact length cables at the job site.



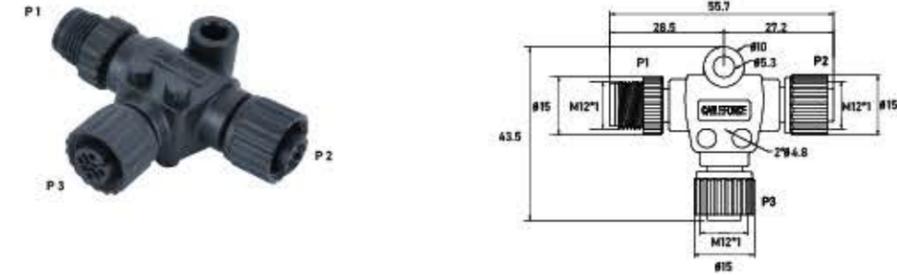
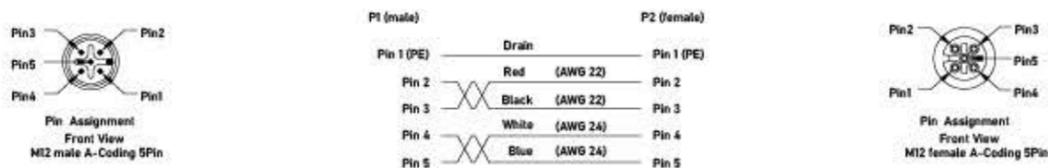
**Connector Technical data**

Contacts No.	Male	Violet Cable	Black Cable	Female
Front View				
Reference Standard	IEC 61076-2-101			
Rated current	4A			
Rated voltage	60V			
Impulse voltage	1500V			
Locking system	M12 x 1.0 screw			
Tightening Torque	Recommend 0.4Nm, Max 0.8Nm			
Termination	Soldering			
Cable specification	0.34mm <sup>2</sup> + 0.25 mm <sup>2</sup> (AWG 22 + AWG 24)			
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤5mΩ			
Characteristic Impedance	120Ω ±15			
Over-molding	TPU			
Contact carrier	TPU + GF			
Screw nut	PA66+GF			
Contact	Brass / Phosphor bronze			
Contacts plating	Au (Gold)			
O-ring	FKM / Silicon O-Ring			
Protection degree	IP67			
Pollution degree	3			

**Ordering No.**

Poles	Cable length	Violet Cable		Black Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
5Pin (4Pin+PE)	0.3 m	EPIC MC05C3LSAP24CV03-DVN	EPIC MC05C3LSAP24RV03-DVN	EPIC MC05C3LSAP24CK03-DVN	EPIC MC05C3LSAP24RK03-DVN
		74335330	74335336	74335342	74335348
	1.0 m	EPIC MC05C3LSAP24CV10-DVN	EPIC MC05C3LSAP24RV10-DVN	EPIC MC05C3LSAP24CK10-DVN	EPIC MC05C3LSAP24RK10-DVN
		74335331	74335337	74335343	74335349
	1.8 m	EPIC MC05C3LSAP24CV18-DVN	EPIC MC05C3LSAP24RV18-DVN	EPIC MC05C3LSAP24CK18-DVN	EPIC MC05C3LSAP24RK18-DVN
		74335332	74335338	74335344	74335350
	2.0 m	EPIC MC05C3LSAP24CV20-DVN	EPIC MC05C3LSAP24RV20-DVN	EPIC MC05C3LSAP24CK20-DVN	EPIC MC05C3LSAP24RK20-DVN
		74335333	74335339	74335345	74335351
	3.0 m	EPIC MC05C3LSAP24CV30-DVN	EPIC MC05C3LSAP24RV30-DVN	EPIC MC05C3LSAP24CK30-DVN	EPIC MC05C3LSAP24RK30-DVN
		74335334	74335340	74335346	74335352
	6.0 m	EPIC MC05C3LSAP24CV60-DVN	EPIC MC05C3LSAP24RV60-DVN	EPIC MC05C3LSAP24CK60-DVN	EPIC MC05C3LSAP24RK60-DVN
		74335335	74335341	74335347	74335353

**Wiring Diagram**



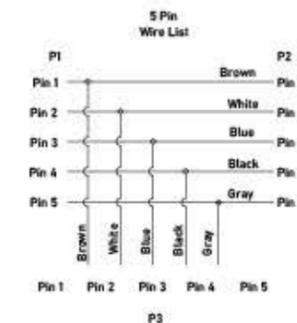
**Connector Technical data**

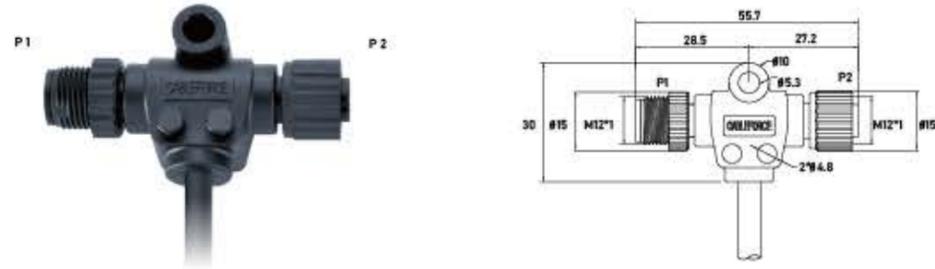
Contacts No.	P1 (5Pin Male)	P2 (5Pin Female)	P3 (5Pin Female)
Front View			
Reference Standard	IEC 61076-2-101		
Rated current	4A		
Rated voltage	60V		
Impulse voltage	1500V		
Locking system	M12 x 1.0 screw		
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm		
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C		
Insulation resistance	≥100MΩ		
Contact resistance	≤5mΩ		
Connector body	TPU		
Contact carrier	TPU + GF		
Screw nut	Nylon plastic		
Contact	Brass ; Phosphor bronze		
Contacts plating	Au (Gold)		
O-ring	FKM / Silicon O-Ring		
Protection degree	IP67		
Pollution degree	3		

**Ordering No.**

Poles	Male to Female x 2	
5 Pin	EPIC MC05T-MFFAP	74336123

**Wiring Diagram**





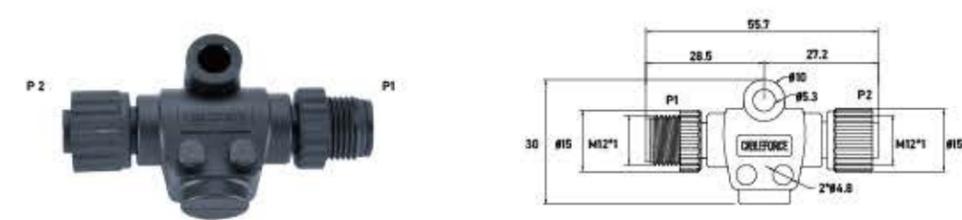
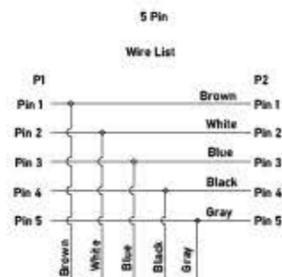
Connector Technical data

Contacts No.	P1 (5Pin Male )	P2 (5Pin Female )
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Connector body	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated	
Contact	Brass ; Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Male to Female	
5 Pin	EPIC MC05T6-CMFAP	74336124

Wiring Diagram



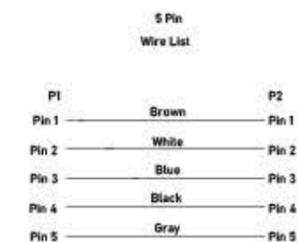
Connector Technical data

Contacts No.	P1 (5Pin Male )	P2 (5Pin Female )
Front View		
Reference Standard	IEC 61076-2-101	
Rated current	4A	
Rated voltage	60V	
Impulse voltage	1500V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm	
Rated temperature	Flexible -25 °C ... +80 °C, Static - 40 °C ... +80 °C	
Insulation resistance	≥100MΩ	
Contact resistance	≤5mΩ	
Resistor	120Ω±1%, 0.6W	
Connector body	TPU	
Contact carrier	TPU + GF	
Screw nut	Brass, CNC, nickel-plated / PA66 + GF	
Contact	Brass ; Phosphor bronze	
Contacts plating	Au (Gold)	
O-ring	FKM / Silicon O-Ring	
Protection degree	IP67	
Pollution degree	3	

Ordering No.

Poles	Male to Female	
5 Pin	EPIC MC05TLAP	74336125

Wiring Diagram





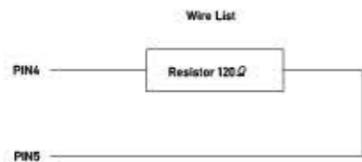
Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Termination	Soldering
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Resistor	120Ω±1%, 0.6W
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	PA66 + GF
Contact	Brass; Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Male		Female	
5 Pin	EPIC MC05T1LSAP	74335354	EPIC MC05T2LSAP	74335355

Wiring Diagram



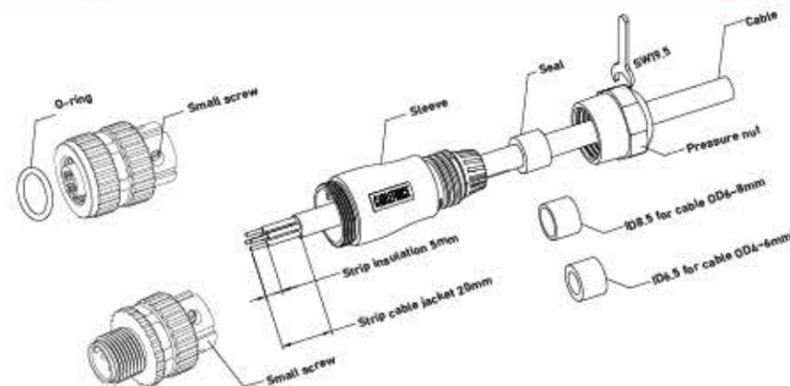
Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm, Wire screw : 0.2Nm,
Termination	Screw fixing
Wire gauge	0.34mm² (AWG 22)
Cable outlet	PG7 (4-6mm) , PG9 (6-8mm)
Rated temperature	-25 °C ... +90 °C, -40 °C ... +125 °C
Insulation resistance	≥100MΩ
Contact resistance	≤ 5mΩ
Connector body	PA66 + GF
Contact carrier	PA66 + GF
Screw nut	PA66 + GF
Contact	Male: Brass ; Female: Phosphor bronze:
Contacts plating	Au (Gold)
O-ring	FKM / NBR
Protection degree	IP67
Pollution degree	3

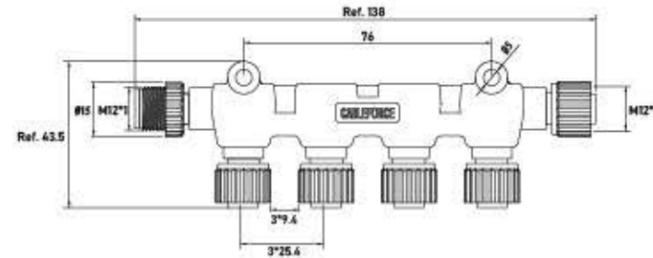
Ordering No.

Poles	Male		Female	
	PG7 (4-6mm)	PG9 (6-8mm)	PG7 (4-6mm)	PG9 (6-8mm)
5 Pin	EPIC MC05A1LWAP-P7 74335893	EPIC MC05A1LWAP-P9 74335894	EPIC MC05A2LWAP-P7 74335895	EPIC MC05A2LWAP-P9 74335896

Assembly Instruction



NMEA 2000 Micro, 5Pin 4 Way T-Connector, Plastic



Connector Technical data

Contacts No.	5Pin
Front View	
Reference Standard	IEC 61076-2-101
Rated current	4A
Rated voltage	60V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Tightening Torque	Recommend : 0.4Nm, Max : 0.8Nm
Rated temperature	Flexible -25 °C ... +80 °C, Static -40 °C ... +80 °C
Insulation resistance	≥100MΩ
Contact resistance	≤5mΩ
Connector body	TPU
Contact carrier	TPU + GF
Screw nut	PA66 + GF
Contact	Brass ; Phosphor bronze
Contacts plating	Au (Gold)
O-ring	FKM / Silicon O-Ring
Protection degree	IP67
Pollution degree	3

Ordering No.

Poles	Un-Shielded	
5 Pin	EPIC MC05T5-AP	74336126

Wiring Diagram

