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

Follow LAPP on:

You can find our terms of trade at
www.lapp.com/us

LAPP

To contact your local LAPP representative,
please visit **www.lapp.com/us**

LAPP EPIC®
QuickShip Cordset Catalog



LAPP



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

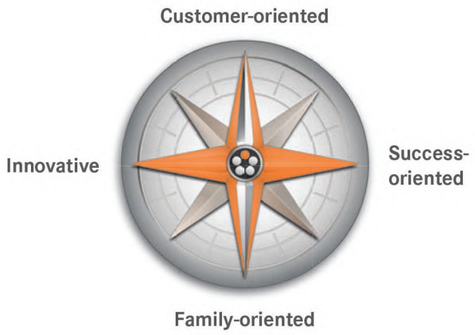
Matthias Lapp takes over as CEO,
Katharina Lapp joins the Supervisory Board.

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®



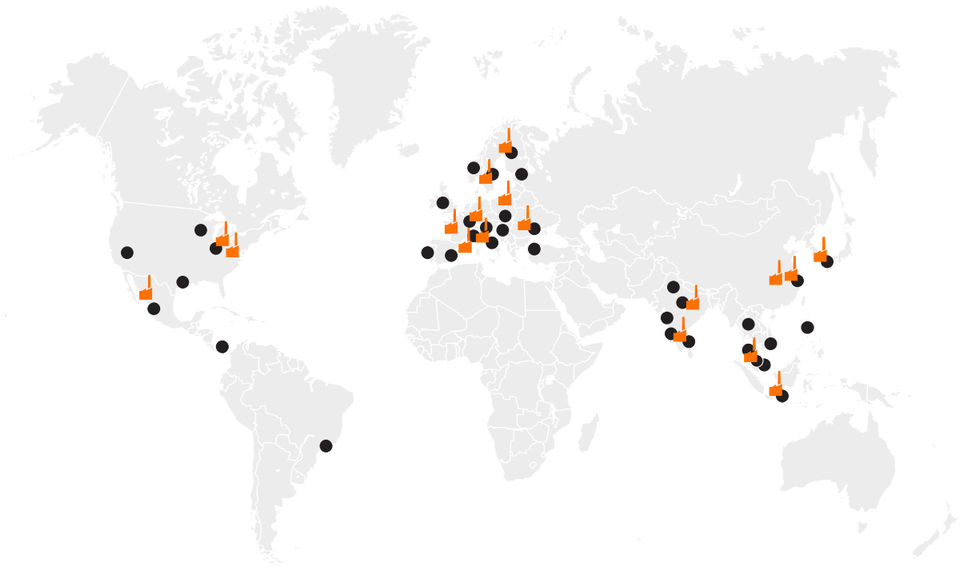
The requirement: permanent marking.The solution: FLEXIMARK®. These sophisticated systems mean that a clear overview inside a control cabinet is no longer just a pipe dream. From simple labels for manual marking through to electronic markings, the FLEXIMARK® range is guaranteed to be permanent.

Manufacturing excellence across the globe

LAPP relies on a **global production and logistics network with 35 plants and 45 warehouses worldwide**, ensuring availability and fast delivery wherever you are.

Using **state-of-the-art machinery and advanced manufacturing technologies**, we guarantee precision and reliability in every product. Our expertise spans tooling and prototyping, cable processing, soldering, crimping, injection molding and rigorous testing.

This end-to-end capability ensures **unmatched performance and dependability**, so your systems run smoothly and your business stays connected.



AMERICAS

3 Plants

7 Warehouses

EMEA

19 Plants

22 Warehouses

ASIA-PACIFIC

13 Plants

16 Warehouses



Page.23-30

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 connectoris also available for your choice.



Page.31-44

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 diferent 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.45-64

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.67-72

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.73-78

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 cablings.



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

** This brochure only contains part of LAPP's larger line of EPIC® cordsets.*

How to order part number

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 Chasiss side)	30 (30AWG/0.05mm²)	C (PVC cable)	K (Black)	003 (30mm)	-Sxx-x (xx Jacket Stripped Length)	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 Chasiss side)	28 (28AWG/0.08mm²)	R (PUR, TPU cable)	G (Green)	01 (10cm)	(x Wire Insulation Tinned, mm)	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 Chasiss side)	26 (26AWG/0.14mm²)	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 Chasiss side)	24 (24AWG/0.25mm²)	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 Chasiss side)	22 (22AWG/0.34mm²)	E (TPE cable)	V (Violet, Purple)	04 (40cm)	AB (AL+Braid Shield)	FS (Fabric Sheath/ tube)
MF (7/8")	06 (Pin)	C6 (Panel connector, female to female, molded cable)		SP(Spring type)	S code	PN1 (PNP Single Path)	Z (Zinc alloy screw)	10.7 (M10x0.75 Chasiss side)	20 (20AWG/0.5mm²)	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 (PNP Dual Path)	ZF (Zinc alloy, square flange)	12- (M12x1.0 Chasiss side)	18 (18AWG/0.75mm²)	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 (NPN Single Path)	ZH (Zinc alloy, Hexagon)	16- (M16x1.5 Chasiss side)	16 (16AWG/1.5mm²)	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 (NPN Dual Path)	S (Stainless steel screw)	20- (M20x1.5 Chasiss side)	15 (15AWG/2.0mm²)		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 Chasiss side)	14 (14AWG/2.5mm2)	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 Chasiss side)	12 (12AWG/4.0mm²)	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/5.0mm²)	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/8.0mm²)	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/13mm²)	WE (PE single wire)		150 (15m)	CCL (CC-Link)	AR (Abrasion Resistant)
	19 (Pin)	P4X (Female Panel, Positioning Adjustable)						P13- PG13.5	04 (4AWG/25mm²)	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 Chasiss side)	02 (2AWG/33mm²)	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 Chasiss side)	01 (1AWG/42mm²)	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 wirable connector)												LT (Low Temperature)
SV (Solenoid Valve)	H4E (4+PE)	A2 (Female field wirable connector)											S35 Jacket stripping 35mm	LH (Low & High Temperature)
	H48 (4P+8P)	A3 (Field wirable type, male to female connector)											S35/5 Jacket stripping 35mm,	HV (High Voltage)
	H5E (5+PE)	A4 (Field wirable type, female to female connector)											core wire tinned 5mm	UV (UV Resistant)
	H6E (6+PE)	A5 (Field wirable type, male to male connector)												
		T-MFF (1+2 way T-adaptor, Male to 2 x female)												
		T3 -MFFF (Gender) (1+3 way T-adapter)												
		T4 -MFFFF (Gender) (1+4 way T-adapter)												
		T5 - (1+5 way T-adapter)												
		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 adapter)												
		Y-MFF (1+2 way Y-Splitter, Male to 2 x female)												
		Y1 (Y-Splitter cable 1 male Y-splited to 2 way)												
		Y2 (Y-Splitter cable 1 female Y-splited 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)												

Keyway Coding Overview

	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 ,17poles	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 Industri al 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	Hybrid connector for automation industry

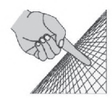
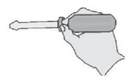
Icon of special application

Icon	Icon explanation
UL	UL-approved
CE	CE approved
LSZH	Low Smoking Zero Halogen
RoHS	RoHS Compliant
48 H SALT SPRAY	48 Hours Salt-Spray test
IP67	RoHS Compliant IP67
UL 94	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
RAIL	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

Products index

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

M8 A-Code male cable, right angled, EMI-Shielded, free end

M8 Cable

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

M8 Cable

M8 A-Code female cable, right angled, EMI-Shielded, free end

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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



M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

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

M8 Cable

M8 Panel Mount Connectors, Molded Cable, Free End

M8 Cable

M8 Panel Mount Connectors, Molded Cable, Free End

M8 Installable Connector

M8 Male Field Wireable Connector

M8 Installable Connector

M8 Female Field Wireable Connector

M8 Connecting Cable

M8 A-Code, Male, molded cable, Straight, pigtail

M8 Connecting Cable

M8 A-Code, Male, molded cable, Right Angled, pigtail

M8 Connecting Cable

M8 A-Code, Female, molded cable, Straight, pigtail

M8 Connecting Cable

M8 A-Code, Female, molded cable, Right Angled, pigtail

M8 Ethernet/ Profinet Cable

M8 male to M12 D-Code male, molded cable, 360° EMI-shielded

M8 Ethernet/ Profinet Cable

M8 male connector to RJ45 plug, molded Cat 5e 4x2x24AWG cable

M8 Connecting Cable

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

M8 Connecting Cable

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

M8 Connecting Cable

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

M8 Connecting Cable

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

M8 Connecting Cable

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

M8 Connecting Cable

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

M8 Panel Receptacle

M8 A-Code male panel connector, front side fastening, with single wires

M8 Panel Receptacle

M8 A-Code male panel connector, rear side fastening, with single wires

M8 Panel Receptacle

M8 female panel connector, front side fastening, with single wires

M8 Panel Receptacle

M8 female panel connector, rear side fastening, with single wires

M8 Panel Receptacle

M8 male panel connector, Snap-in front side fastening, with single wires

M8 Panel Receptacle

M8 male panel connector, Snap-in rear side fastening, with single wires

M8 Panel Receptacle

M8 male panel connector, Snap-in front side fastening, PCB Contacts

M8 Panel Receptacle

M8 male panel connector, front side fastening, PCB Contacts

M8 Panel Receptacle

M8 male panel connector, rear side fastening, PCB Contacts

M8 Panel Receptacle

M8 female panel connector, front side fastening, PCB Contacts

Products index

M8 Panel Receptacle

M8 female panel connector,
rear side fastening, PCB Contacts

M8 90° Panel Connector

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

M8 90° Panel Connector

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

M8 Panel Connector

M8 panel connector, front mount,
PCB Contacts, EMI-Shielded

M8 Panel Receptacle

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

M8 Panel Receptacle

M8 D-Code Female Panel Connector,
soldered wires

M8 Y-Splitter

M12 - M8 Y-Splitter Adapter

M8 Dust Cap

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

M8 Dust Cap

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

M8 Dust Cap

M8 male connector's dust cap,
with strap

M8 Dust Cap

M8 female connector's dust cap,
with strap

M8 Dust Cap

M8 female connector's dust cap

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 Stainless Steel

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

M12 Stainless Steel

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

M12 LED Display

M12 Female connector, molded with
LED Display, free end

M12 LED Display

M12 Female connector, molded with
LED Display, free end

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 A-Code Cable

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

M12 B-Code Cable

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

M12 B-Code Cable

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

M12 B-Code Cable

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

M12 B-Code Cable

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

M12 D-Code Cable

M12 D-Code male connector, molded with
Cat 5e SJFTP Ethernet cable, EMI-Shielded, free end

M12 D-Code Cable

M12 D-Code male connector, right angled molded with
Cat 5e SJFTP Ethernet cable, EMI-Shielded, free end

M12 D-Code Cable

M12 D-Code female connector, molded with
Cat 5e SJFTP Ethernet cable, EMI-Shielded, free end

M12 D-Code Cable

M12 D-Code female connector, right angled molded
Cat 5e SJFTP Ethernet cable, EMI-Shielded, free end

M12 X-Code Cable

M12 X-Code male connector, molded with
Cat 6A SJFTP Ethernet cable, EMI RFI-Shielded, free end

M12 X-Code Cable

M12 X-Code male connector, right angled molded with
Cat 6A SJFTP Ethernet cable, EMI RFI-Shielded, free end

M12 X-Code Cable

M12 X-Code female connector, molded with
Cat 6A SJFTP Ethernet cable, EMI RFI-Shielded, free end

M12 X-Code Cable

M12 X-Code female connector, right angled molded with
Cat 6A SJFTP Ethernet cable, EMI RFI-Shielded, free end

M12 X-Code Cable

M12 X-Code male connector, Right angled,
Bigger Molding Size, EMI-Shielded

M12 X-Code Cable

M12 X-Code female connector, Right angled,
Bigger Molding Size, EMI-Shielded

M12 S-Code Cable

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

M12 S-Code Cable

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

M12 S-Code Cable

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

M12 S-Code Cable

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

M12 S-Code Cable

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

M12 S-Code Cable

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

M12 S-Code Cable

M12 S-Code female 12A connector, molded
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M12 S-Code Cable

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

M12 T-Code Cable

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

M12 T-Code Cable

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

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M12 T-Code Cable

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

M12 T-Code Cable

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

M12 T-Code Cable

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

M12 T-Code Cable

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

M12 T-Code Cable

M12 T-Code female 12A connector, molded
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M12 A-Code Connecting Cable
M12 A-Code, male to male, double ended, molded cable, Un-shielded
M12 A-Code Connecting Cable
M12 A-Code, male to male, double ended, molded cable, right angled
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M12 A-Code, male to male, double ended, molded cable, 360° EMI-Shielded
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M12 A-Code Connecting Cable
M12 A-Code, male to male, double ended, molded cable, 360° EMI-Shielded
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M12 X-Code male connector to RJ45 female, molded Profinet Cat 6A SFTP 4x2x26AWG PUR cable,
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M12 X-Code female connector to RJ45 female, molded Profinet Cat 6A SFTP 4x2x26AWG PUR cable,
M12 X-Code Profinet/ Ethernet Cables
M12 X-Code, male to RJ45 male, molded Profinet Cat 6A SFTP 4x2x26AWG PVC cable,

M12 X-Code Profinet/ Ethernet Cables



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

M12 X-Code Profinet/ Ethernet Cables



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

M12 X-Code Profinet/ Ethernet Cables



M12 X-Code male to M12 A-Code 8Pin female, molded Cat 6A SFTP 4x2x26AWG PUR cable

M12 X-Code Profinet/ Ethernet Cables



M12 X-Code 8Pin male to M12 A-Code 8Pin female, molded Cat 6A SFTP 4x2x26AWG PUR cable

M12 X-Code Profinet/ Ethernet Cables



M12 X-Code 8Pin male to M12 A-Code 8Pin male, molded Cat 6A SFTP 4x2x26AWG PUR cable

M12 X-Code Profinet/ Ethernet Cables



M12 X-Code 8Pin male to M12 A-Code 8Pin male, molded Cat 6A SFTP 4x2x26AWG PUR cable

M12 L-Code 16A Power Cable



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

M12 L-Code 16A Power Cable



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

M12 A-Code Panel Receptacle



M12 A-Code male panel connector, front side fastening, with single wires

M12 A-Code Panel Receptacle



M12 A-Code male panel connector, rear side fastening, with single wires

M12 A-Code Panel Receptacle



M12 A-Code female panel connector, front side fastening, with single wires

M12 A-Code Panel Receptacle



M12 A-Code female panel connector, rear side fastening, with single wires

M12 A-Code Panel Receptacle



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

M12 A-Code Panel Receptacle



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

M12 Panel Thickness Adjustable



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

M12 Panel Thickness Adjustable



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

M12 A-Code Panel Receptacle



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

M12 A-Code Panel Receptacle



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

M12 A-Code Square Flange Type



M12 A-Code male panel connector, square flange Type, with single wires

M12 A-Code Square Flange Type



M12 A-Code female panel connector, square flange Type, with single wires

M12 B-Code Panel Receptacle



M12 B-Code male panel connector, front side fastening, with single wires

M12 B-Code Panel Receptacle



M12 B-Code male panel connector, rear side fastening, with single wires

M12 B-Code Panel Receptacle



M12 B-Code female panel connector, front side fastening, with single wires

M12 B-Code Panel Receptacle



M12 B-Code female panel connector, rear side fastening, with single wires

M12 D-Code Panel Receptacle



M12 D-Code male panel connector, front side fastening, with single wires

M12 D-Code Panel Receptacle



M12 D-Code male panel connector, rear side fastening, with single wires

M12 D-Code Panel Receptacle



M12 D-Code female panel connector, front fastening, with single wires

M12 D-Code Panel Receptacle



M12 D-Code female panel connector, rear side fastening, with single wires

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



M12 4Pin D-Code panel mount connector to RJ45 male plug with Cat 5e SFTP 2x2x22AWG Ethernet cable

M12 D-Code(Profinet/ Ethernet)



M12 4Pin D-Code panel mount connector to RJ45 male plug with Cat 5e SFTP 2x2x22AWG Ethernet cable

M12 D-Code(Profinet/ Ethernet)



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

M12 D-Code(Profinet/ Ethernet)



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

M12 S-Code Panel Receptacle



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

M12 S-Code Panel Receptacle



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

M12 S-Code Panel Receptacle

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

M12 S-Code Panel Receptacle

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

M12 T-Code Panel Receptacle

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

M12 T-Code Panel Receptacle

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

M12 T-Code Panel Receptacle

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

M12 T-Code Panel Receptacle

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

M12 K-Code(16A AC Power)

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

M12 K-Code(16A AC Power)

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

M12 K-Code(16A AC Power)

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

M12 K-Code(16A AC Power)

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

M12 L-Code(16A DC Power)

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

M12 L-Code(16A DC Power)

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

M12 L-Code(16A DC Power)

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

M12 L-Code(16A DC Power)

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

M12 Y-Code Panel Receptacle

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

M12 Y-Code Panel Receptacle

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

M12 Y-Code Panel Receptacle

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

M12 Y-Code Panel Receptacle

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

M12 Panel Connector, Custom Solution

M12 A-Code male panel connector, front fastening, end with JST XH board connectors

M12 A-Code Panel Receptacle

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

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

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M12 90° Panel Connector
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M12 through wall type
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M12-RJ45 Adapter
M12 male to RJ45 female Adapter connector

M12-RJ45 Adapter
M12 Female to RJ45 female Adapter connector

M12-RJ45 Adapter
M12 Female to RJ45 female Adapter connector

M12 X-Code Panel Receptacle
M12 X-Code male panel connector, EMI/ RFI-Shielded, front fastened, with PCB contacts

M12 X-Code Panel Receptacle
M12 X-Code female panel connector, EMI/ RFI-Shielded, front fastened, with PCB contacts



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

M12 X-Code Panel Receptacle
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M12 Y-Code Panel Receptacle
M12 Y-Code female panel connector, front side fastening, PCB Contacts

M12 Y-Code Panel Receptacle
M12 Y-Code female panel connector, rear side fastening, PCB Contacts

M12 90° Panel Connector
M12 Y-Code female panel connector, rear side fastening, with 90° PCB contacts

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

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

M12 Dust Cap
M12 male connector's dust cap, SUS 316 stainless steel with strap

M12 Dust Cap
M12 female connector's dust cap, SUS 316 stainless steel with strap

M12 Dust Cap
M12 male connector's dust cap, plastic with strap

M12 Dust Cap
M12 female connector's dust cap, plastic with strap

M12 Dust Cap
M12 male connector's plastic dust cap, with strap

M12 Dust Cap
M12 female connector's plastic dust cap, with strap

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M12 Dust Cap



M12 female connector's dust cap

M12 Installable Connector



M12 Male, Field Wireable Connector, Brass Screw

M12 Installable Connector



M12 Female, Field Wireable Connector, Brass Screw

M12 Installable Connector



M12 Male Field Wireable Connector, SUS 316# Stainless Steel Screw

M12 Installable Connector



M12 Female Field Wireable Connector, SUS 316# Stainless Steel Screw

M12 Installable Connector



M12 Male Field Wire-able, EMI-Shielded, Screw Termination

M12 Installable Connector



M12 Female Field Wire-able, EMI-Shielded, Screw Termination

M12 Installable Connector



M12 Male, Field Wireable, EMI-Shielded, Screw Termination, SUS 316# Stainless Steel Screw

M12 Installable Connector



M12 Female, Field Wireable, EMI-Shielded, Screw Termination, SUS 316# Stainless Steel Screw

M12 Installable Connector



M12 Male, Field Wireable Connector Right Angled, Screw Termination

M12 Installable Connector



M12 Female, Field Wireable Connector Right Angled, Screw Termination

M12 Installable Connector



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

M12 Installable Connector



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

M12 Installable Connector



M12 Male, Field Wireable Connector, Plastic screw

M12 Installable Connector



M12 Male, Fiedl Wire-able Connector, Right Angled, Screw Termination, Plastic screw

M12 Installable Connector



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

M12 Installable Connector



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

M12 Installable Connector



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

M12 Installable Connector



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

M12 T-Connector



M12 T-Connector, Male to 2xFemale

M12 T-Connector



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

M12 T-Connector



M12 T-Connector, Male to Male/ Female

M12 T-Connector



M12 T-Connector, Male to Male/ Female, Plastic

M12 Power-Tap



M12 Power-Tap, Male to Female, Molded Cable

M12 Power-Tap



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

M12 I-Adapter



M12 Terminator, Male to Female, Molded 120 Ohm Resistor

M12 I-Adapter



M12 Terminator, Male to Female, Molded 120 Ohm Resistor

M12 Y-Splitter



M12 Y-Splitter, Male to Female x 2

M12 Y-Splitter



M12 Y-Splitter, Male to Female x 2, Plastic

M12 Y-Splitter



M12 Y-Splitter, Female to Male x 2

M12 Y-Splitter



M12 Y-Splitter, Female to Male x 2, Plastic

M12 Y-Splitter



M12 Y-Splitter, Female to Male/ Female

M12 Y-Splitter



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

M12 Y-Splitter



M12 Y-Splitter, Female to Female x2

M12 Y-Splitter



M12 Y-Splitter, Female to Female x2, Plastic

RJ45 Patch Cables



Ethernet patch cables, double ended RJ45 8P8C male plug. with locking screws

RJ45 Patch Cables



Ethernet patch cables, double ended RJ45 8P8C male plug, Right angled

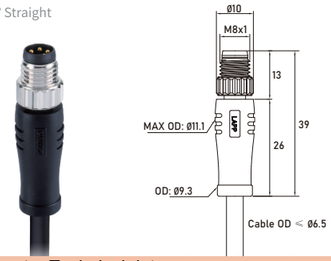
RJ45 Patch Cables



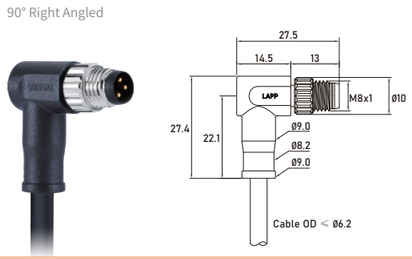
Ethernet patch cables, double ended RJ45 8P8C male plug, Small molded

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

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	M8 x 1.0 screw				
Tightening Torque	Recommend:0.2Nm, Max:0.4Nm				
Termination	Soldering				
Wire gauge	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				
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	EPIC MB03C1LSAB24RK20	EPIC MB03C1RSAB24CK20	EPIC MB03C1RSAB24RK20
		7433500451	7433500453	7433500455	7433500457
	5 m	EPIC MB03C1LSAB24CK50	EPIC MB03C1LSAB24RK50	EPIC MB03C1RSAB24CK50	EPIC MB03C1RSAB24RK50
		7433500452	7433500454	7433500456	7433500458
4 Pin	2 m	EPIC MB04C1LSAB24CK20	EPIC MB04C1LSAB24RK20	EPIC MB04C1RSAB24CK20	EPIC MB04C1RSAB24RK20
		7433500459	7433500461	7433500463	7433500465
	5 m	EPIC MB04C1LSAB24CK50	EPIC MB04C1LSAB24RK50	EPIC MB04C1RSAB24CK50	EPIC MB04C1RSAB24RK50
		7433500460	7433500462	7433500464	7433500466
5 Pin	2 m	EPIC MB05C1LSBB24CK20	EPIC MB05C1LSBB24RK20	EPIC MB05C1RSBB24CK20	EPIC MB05C1RSBB24RK20
		7433500467	7433500469	7433500471	7433500473
	5 m	EPIC MB05C1LSBB24CK50	EPIC MB05C1LSBB24RK50	EPIC MB05C1RSBB24CK50	EPIC MB05C1RSBB24RK50
		7433500468	7433500470	7433500472	7433500474
6 Pin	2 m	EPIC MB06C1LSAB26CK20	EPIC MB06C1LSAB26RK20	EPIC MB06C1RSAB26CK20	EPIC MB06C1RSAB26RK20
		7433500475	7433500477	7433500479	7433500481
	5 m	EPIC MB06C1LSAB26CK50	EPIC MB06C1LSAB26RK50	EPIC MB06C1RSAB26CK50	EPIC MB06C1RSAB26RK50
		7433500476	7433500478	7433500480	7433500482
8 Pin	2 m	EPIC MB08C1LSAB26CK20	EPIC MB08C1LSAB26RK20	EPIC MB08C1RSAB26CK20	EPIC MB08C1RSAB26RK20
		7433500483	7433500485	7433500487	7433500489
	5 m	EPIC MB08C1LSAB26CK50	EPIC MB08C1LSAB26RK50	EPIC MB08C1RSAB26CK50	EPIC MB08C1RSAB26RK50
		7433500484	7433500486	7433500488	7433500490

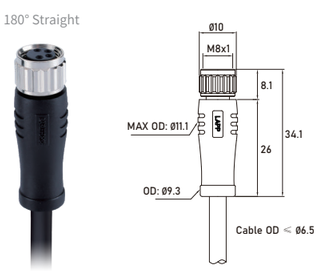
Cable's Color Coding & Wiring

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

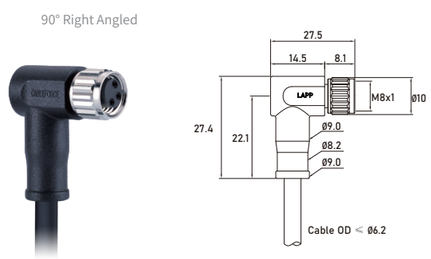
UL Pending

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

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	M8 x 1.0 screw				
Tightening Torque	Recommend:0.2Nm, Max:0.4Nm				
Termination	Soldering				
Wire gauge	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	2 m	EPIC MB03C2LSAB24CK20	EPIC MB03C2LSAB24RK20	EPIC MB03C2RSAB24CK20	EPIC MB03C2RSAB24RK20
		7433500491	7433500493	7433500495	7433500497
	5 m	EPIC MB03C2LSAB24CK50	EPIC MB03C2LSAB24RK50	EPIC MB03C2RSAB24CK50	EPIC MB03C2RSAB24RK50
		7433500492	7433500494	7433500496	7433500498
4 Pin	2 m	EPIC MB04C2LSAB24CK20	EPIC MB04C2LSAB24RK20	EPIC MB04C2RSAB24CK20	EPIC MB04C2RSAB24RK20
		7433500499	7433500501	7433500503	7433500505
	5 m	EPIC MB04C2LSAB24CK50	EPIC MB04C2LSAB24RK50	EPIC MB04C2RSAB24CK50	EPIC MB04C2RSAB24RK50
		7433500500	7433500502	7433500504	7433500506
5 Pin	2 m	EPIC MB05C2LSBB24CK20	EPIC MB05C2LSBB24RK20	EPIC MB05C2RSBB24CK20	EPIC MB05C2RSBB24RK20
		7433500507	7433500509	7433500511	7433500513
	5 m	EPIC MB05C2LSBB24CK50	EPIC MB05C2LSBB24RK50	EPIC MB05C2RSBB24CK50	EPIC MB05C2RSBB24RK50
		7433500508	7433500510	7433500512	7433500514
6 Pin	2 m	EPIC MB06C2LSAB26CK20	EPIC MB06C2LSAB26RK20	EPIC MB06C2RSAB26CK20	EPIC MB06C2RSAB26RK20
		7433500515	7433500517	7433500519	7433500521
	5 m	EPIC MB06C2LSAB26CK50	EPIC MB06C2LSAB26RK50	EPIC MB06C2RSAB26CK50	EPIC MB06C2RSAB26RK50
		7433500516	7433500518	7433500520	7433500522
8 Pin	2 m	EPIC MB08C2LSAB26CK20	EPIC MB08C2LSAB26RK20	EPIC MB08C2RSAB26CK20	EPIC MB08C2RSAB26RK20
		7433500523	7433500525	7433500527	7433500529
	5 m	EPIC MB08C2LSAB26CK50	EPIC MB08C2LSAB26RK50	EPIC MB08C2RSAB26CK50	EPIC MB08C2RSAB26RK50
		7433500524	7433500526	7433500528	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

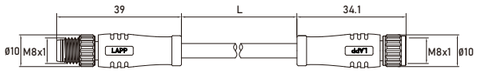
UL Pending

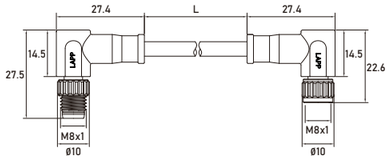
M8 Connecting Cable

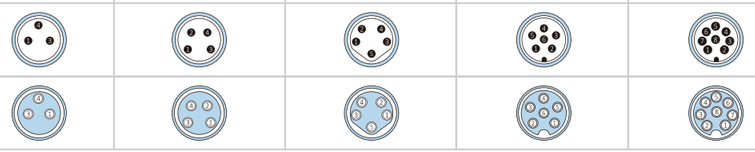
M8 A-Code, male to female, double ended, molded cable, Un-shielded









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	0.25mm² (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.

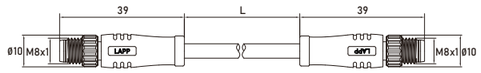
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C3LSAB24CK20	EPIC MB03C3LSAB24RK20	EPIC MB03C3RSAB24CK20	EPIC MB03C3RSAB24RK20
		7433500894	7433500896	7433500898	7433500900
	5 m	EPIC MB03C3LSAB24CK50	EPIC MB03C3LSAB24RK50	EPIC MB03C3RSAB24CK50	EPIC MB03C3RSAB24RK50
		7433500895	7433500897	7433500899	7433500901
4 Pin	2 m	EPIC MB04C3LSAB24CK20	EPIC MB04C3LSAB24RK20	EPIC MB04C3RSAB24CK20	EPIC MB04C3RSAB24RK20
		7433500902	7433500904	7433500906	7433500908
	5 m	EPIC MB04C3LSAB24CK50	EPIC MB04C3LSAB24RK50	EPIC MB04C3RSAB24CK50	EPIC MB04C3RSAB24RK50
		7433500903	7433500905	7433500907	7433500909
5 Pin	2 m	EPIC MB05C3LSBB24CK20	EPIC MB05C3LSBB24RK20	EPIC MB05C3RSBB24CK20	EPIC MB05C3RSBB24RK20
		7433500910	7433500912	7433500914	7433500916
	5 m	EPIC MB05C3LSBB24CK50	EPIC MB05C3LSBB24RK50	EPIC MB05C3RSBB24CK50	EPIC MB05C3RSBB24RK50
		7433500911	7433500913	7433500915	7433500917
6 Pin	2 m	EPIC MB06C3LSAB26CK20	EPIC MB06C3LSAB26RK20	EPIC MB06C3RSAB26CK20	EPIC MB06C3RSAB26RK20
		7433500918	7433500920	7433500922	7433500924
	5 m	EPIC MB06C3LSAB26CK50	EPIC MB06C3LSAB26RK50	EPIC MB06C3RSAB26CK50	EPIC MB06C3RSAB26RK50
		7433500919	7433500921	7433500923	7433500925
8 Pin	2 m	EPIC MB08C3LSAB26CK20	EPIC MB08C3LSAB26RK20	EPIC MB08C3RSAB26CK20	EPIC MB08C3RSAB26RK20
		7433500926	7433500928	7433500930	7433500932
	5 m	EPIC MB08C3LSAB26CK50	EPIC MB08C3LSAB26RK50	EPIC MB08C3RSAB26CK50	EPIC MB08C3RSAB26RK50
		7433500927	7433500929	7433500931	7433500933

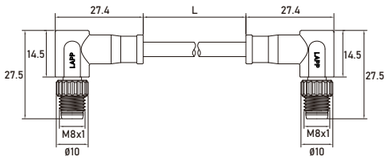
M8 Connecting Cable

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	0.25mm² (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				
Contacts plating	Au (Gold)				
O-ring	N / A				
Protection degree	IP67				
Pollution degree	3				

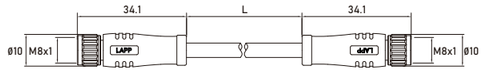
Ordering No.

Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C5LSAB24CK20	EPIC MB03C5LSAB24RK20	EPIC MB03C5RSAB24CK20	EPIC MB03C5RSAB24RK20
		7433500934	7433500936	7433500938	7433500940
	5 m	EPIC MB03C5LSAB24CK50	EPIC MB03C5LSAB24RK50	EPIC MB03C5RSAB24CK50	EPIC MB03C5RSAB24RK50
		7433500935	7433500937	7433500939	7433500941
4 Pin	2 m	EPIC MB04C5LSAB24CK20	EPIC MB04C5LSAB24RK20	EPIC MB04C5RSAB24CK20	EPIC MB04C5RSAB24RK20
		7433500942	7433500944	7433500946	7433500948
	5 m	EPIC MB04C5LSAB24CK50	EPIC MB04C5LSAB24RK50	EPIC MB04C5RSAB24CK50	EPIC MB04C5RSAB24RK50
		7433500943	7433500945	7433500947	7433500949
5 Pin	2 m	EPIC MB05C5LSBB24CK20	EPIC MB05C5LSBB24RK20	EPIC MB05C5RSBB24CK20	EPIC MB05C5RSBB24RK20
		7433500950	7433500952	7433500954	7433500956
	5 m	EPIC MB05C5LSBB24CK50	EPIC MB05C5LSBB24RK50	EPIC MB05C5RSBB24CK50	EPIC MB05C5RSBB24RK50
		7433500951	7433500953	7433500955	7433500957
6 Pin	2 m	EPIC MB06C5LSAB26CK20	EPIC MB06C5LSAB26RK20	EPIC MB06C5RSAB26CK20	EPIC MB06C5RSAB26RK20
		7433500958	7433500960	7433500962	7433500964
	5 m	EPIC MB06C5LSAB26CK50	EPIC MB06C5LSAB26RK50	EPIC MB06C5RSAB26CK50	EPIC MB06C5RSAB26RK50
		7433500959	7433500961	7433500963	7433500965
8 Pin	2 m	EPIC MB08C5LSAB26CK20	EPIC MB08C5LSAB26RK20	EPIC MB08C5RSAB26CK20	EPIC MB08C5RSAB26RK20
		7433500966	7433500968	7433500970	7433500972
	5 m	EPIC MB08C5LSAB26CK50	EPIC MB08C5LSAB26RK50	EPIC MB08C5RSAB26CK50	EPIC MB08C5RSAB26RK50
		7433500967	7433500969	7433500971	7433500973

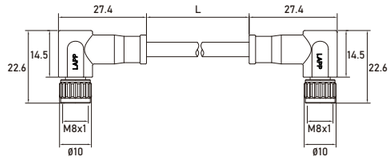
M8 Connecting Cable

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









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)			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.

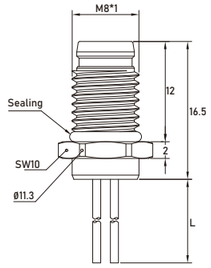
Poles	Cable length	180° Straight		90° Right Angled	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
3 Pin	2 m	EPIC MB03C4LSASB24CK20	EPIC MB03C4LSASB24RK20	EPIC MB03C4RSASB24CK20	EPIC MB03C4RSASB24RK20
		7433500974	7433500976	7433500978	7433500980
	5 m	EPIC MB03C4LSASB24CK50	EPIC MB03C4LSASB24RK50	EPIC MB03C4RSASB24CK50	EPIC MB03C4RSASB24RK50
		7433500975	7433500977	7433500979	7433500981
4 Pin	2 m	EPIC MB04C4LSASB24CK20	EPIC MB04C4LSASB24RK20	EPIC MB04C4RSASB24CK20	EPIC MB04C4RSASB24RK20
		7433500982	7433500984	7433500986	7433500988
	5 m	EPIC MB04C4LSASB24CK50	EPIC MB04C4LSASB24RK50	EPIC MB04C4RSASB24CK50	EPIC MB04C4RSASB24RK50
		7433500983	7433500985	7433500987	7433500989
5 Pin	2 m	EPIC MB05C4LSBSB24CK20	EPIC MB05C4LSBSB24RK20	EPIC MB05C4RSBSB24CK20	EPIC MB05C4RSBSB24RK20
		7433500990	7433500992	7433500994	7433500996
	5 m	EPIC MB05C4LSBSB24CK50	EPIC MB05C4LSBSB24RK50	EPIC MB05C4RSBSB24CK50	EPIC MB05C4RSBSB24RK50
		7433500991	7433500993	7433500995	7433500997
6 Pin	2 m	EPIC MB06C4LSASB26CK20	EPIC MB06C4LSASB26RK20	EPIC MB06C4RSASB26CK20	EPIC MB06C4RSASB26RK20
		7433500998	7433501000	7433501002	7433501004
	5 m	EPIC MB06C4LSASB26CK50	EPIC MB06C4LSASB26RK50	EPIC MB06C4RSASB26CK50	EPIC MB06C4RSASB26RK50
		7433500999	7433501001	7433501003	7433501005
8 Pin	2 m	EPIC MB08C4LSASB26CK20	EPIC MB08C4LSASB26RK20	EPIC MB08C4RSASB26CK20	EPIC MB08C4RSASB26RK20
		7433501006	7433501008	7433501010	7433501012
	5 m	EPIC MB08C4LSASB26CK50	EPIC MB08C4LSASB26RK50	EPIC MB08C4RSASB26CK50	EPIC MB08C4RSASB26RK50
		7433501007	7433501009	7433501011	7433501013

M8 A-Code

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

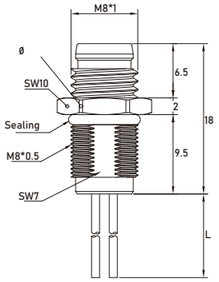
Front Fastened



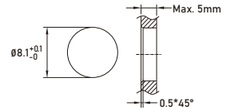


Rear Fastened

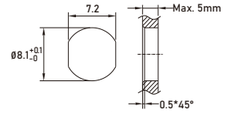




Recommended Panel Cut-out



Front Fastened



Rear Fastened

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	0.25mm² (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.

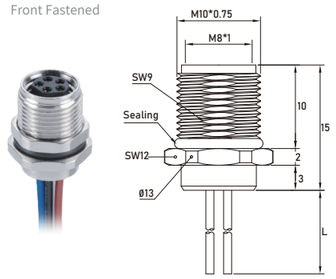
Poles	Wire length	Panel Front Side Fastening	Panel Rear Side Fastening	
		M8x1.0 Chassis Side Thread	M8x0.5 Chassis Side Thread	M10x0.75 Chassis Side Thread
3 Pin	0.2 m	EPIC MB03P5LSAB24W02	EPIC MB03P6LSAB24W02	EPIC MB03P6LSAB10.7-24W02
		7433505304	7433505306	7433505308
	0.5 m	EPIC MB03P5LSAB24W05	EPIC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

Wires' Color Coding

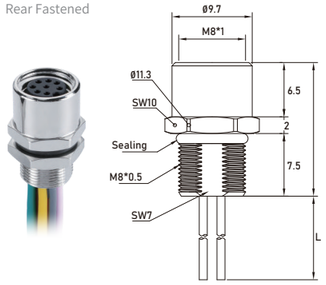
Poles & Wire Color Pin		
Pin 1	BN	BN
Pin 2		WH
Pin 3	BU	BU
Pin 4	BK	BK

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

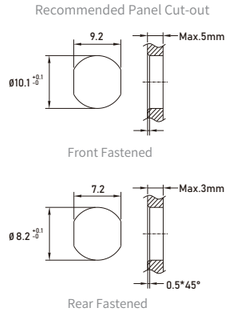
Front Fastened



Rear Fastened



Recommended Panel Cut-out



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)			0.14mm² (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
3 Pin	0.2 m	EPIC MB03P2LSAB24W02	EPIC MB03P4LSAB24W02	EPIC MB03P4LSAB10.7-24W02
		7433505274	7433505276	7433505278
	0.5 m	EPIC MB03P2LSAB24W05	EPIC MB03P4LSAB24W05	EPIC MB03P4LSAB10.7-24W05
		7433505275	7433505277	7433505279
4 Pin	0.2 m	EPIC MB04P2LSAB24W02	EPIC MB04P4LSAB24W02	EPIC MB04P4LSAB10.7-24W02
		7433505280	7433505282	7433505284
	0.5 m	EPIC MB04P2LSAB24W05	EPIC MB04P4LSAB24W05	EPIC MB04P4LSAB10.7-24W05
		7433505281	7433505283	7433505285
5 Pin	0.2 m	EPIC MB05P2LSBB24W02	EPIC MB05P4LSBB24W02	EPIC MB05P4LSBB10.7-24W02
		7433505286	7433505288	7433505290
	0.5 m	EPIC MB05P2LSBB24W05	EPIC MB05P4LSBB24W05	EPIC MB05P4LSBB10.7-24W05
		7433505287	7433505289	7433505291
6 Pin	0.2 m	EPIC MB06P2LSAB26W02	EPIC MB06P4LSAB26W02	EPIC MB06P4LSAB10.7-26W02
		7433505292	7433505294	7433505296
	0.5 m	EPIC MB06P2LSAB26W05	EPIC MB06P4LSAB26W05	EPIC MB06P4LSAB10.7-26W05
		7433505293	7433505295	7433505297
8 Pin	0.2 m	EPIC MB08P2LSAB26W02	EPIC MB08P4LSAB26W02	EPIC MB08P4LSAB10.7-26W02
		7433505298	7433505300	7433505302
	0.5 m	EPIC MB08P2LSAB26W05	EPIC MB08P4LSAB26W05	EPIC MB08P4LSAB10.7-26W05
		7433505299	7433505301	7433505303

Wires' Color Coding

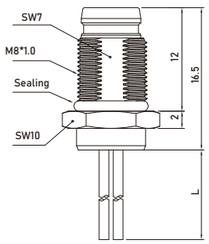
Poles & Wire Color /Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

UL Pending

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

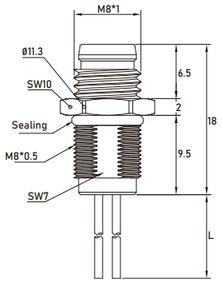
Front Fastened



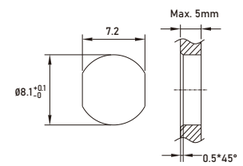


Rear Fastened





Recommended Panel Cut-out



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)			0.14mm² (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	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
3 Pin	0.2 m	EPIC MB03P1LSAB24W02	EPIC MB03P3LSAB24W02	EPIC MB03P3LSAB10.7-24W02
		7433505256	7433505258	7433505260
	0.5 m	EPIC MB03P1LSAB24W05	EPIC MB03P3LSAB24W05	EPIC MB03P3LSAB10.7-24W05
		7433505257	7433505259	7433505261
4 Pin	0.2 m	EPIC MB04P1LSAB24W02	EPIC MB04P3LSAB24W02	EPIC MB04P3LSAB10.7-24W02
		7433505262	7433505264	7433505266
	0.5 m	EPIC MB04P1LSAB24W05	EPIC MB04P3LSAB24W05	EPIC MB04P3LSAB10.7-24W05
		7433505263	7433505265	7433505267
5 Pin	0.2 m	EPIC MB05P1LSBB24W02	EPIC MB05P3LSBB24W02	EPIC MB05P3LSBB10.7-24W02
		7433505268	7433505270	7433505272
	0.5 m	EPIC MB05P1LSBB24W05	EPIC MB05P3LSBB24W05	EPIC MB05P3LSBB10.7-24W05
		7433505269	7433505271	7433505273
6 Pin	0.2 m	EPIC MB06P1LSAB26W02	EPIC MB06P3LSAB26W02	EPIC MB06P3LSAB10.7-26W02
		74335557	74335561	74335565
	0.5 m	EPIC MB06P1LSAB26W05	EPIC MB06P3LSAB26W05	EPIC MB06P3LSAB10.7-26W05
		74335558	74335562	74335566
8 Pin	0.2 m	EPIC MB08P1LSAB26W02	EPIC MB08P3LSAB26W02	EPIC MB08P3LSAB10.7-26W02
		74335559	74335563	74335567
	0.5 m	EPIC MB08P1LSAB26W05	EPIC MB08P3LSAB26W05	EPIC MB08P3LSAB10.7-26W05
		74335560	74335564	74335568

Wires' Color Coding

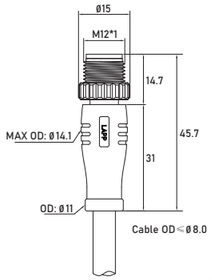
Poles & Wire Color /Pin					
Pin 1	BN	BN	BN	BN	WH
Pin 2		WH	WH	WH	BN
Pin 3	BU	BU	BU	BU	GN
Pin 4	BK	BK	BK	BK	YE
Pin 5			GY	GY	GY
Pin 6				PK	PK
Pin 7					BU
Pin 8					RD

UL Pending

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

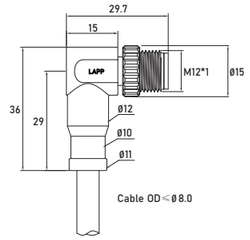
180°Straight





90°Right Angled





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	Recommend0.4Nm, Max 0.8Nm						
Termination	Soldering						
Wire gauge	0.34mm ² (AWG 22)				0.25mm ² (AWG 24)	0.14mm ² (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 MC03C1LSAB22CK20	EPIC MC03C1LSAB22RK20	EPIC MC03C1RSAB22CK20	EPIC MC03C1RSAB22RK20
		7433501014	7433501016	7433501042	7433501044
	5 m	EPIC MC03C1LSAB22CK50	EPIC MC03C1LSAB22RK50	EPIC MC03C1RSAB22CK50	EPIC MC03C1RSAB22RK50
		7433501015	7433501017	7433501043	7433501045
4 Pin	2 m	EPIC MC04C1LSAB22CK20	EPIC MC04C1LSAB22RK20	EPIC MC04C1RSAB22CK20	EPIC MC04C1RSAB22RK20
		7433501018	7433501020	7433501046	7433501048
	5 m	EPIC MC04C1LSAB22CK50	EPIC MC04C1LSAB22RK50	EPIC MC04C1RSAB22CK50	EPIC MC04C1RSAB22RK50
		7433501019	7433501021	7433501047	7433501049
5 Pin	2 m	EPIC MC05C1LSAB22CK20	EPIC MC05C1LSAB22RK20	EPIC MC05C1RSAB22CK20	EPIC MC05C1RSAB22RK20
		7433501022	7433501024	7433501050	7433501052
	5 m	EPIC MC05C1LSAB22CK50	EPIC MC05C1LSAB22RK50	EPIC MC05C1RSAB22CK50	EPIC MC05C1RSAB22RK50
		7433501023	7433501025	7433501051	7433501053
CAN/DVN	2 m	EPIC MC05C1LSAB24CK20-DVN	EPIC MC05C1LSAB24RK20-DVN	EPIC MC05C1RSAB24CK20-DVN	EPIC MC05C1RSAB24RK20-DVN
		7433501026	7433501028	7433501054	7433501056
	5 m	EPIC MC05C1LSAB24CK50-DVN	EPIC MC05C1LSAB24RK50-DVN	EPIC MC05C1RSAB24CK50-DVN	EPIC MC05C1RSAB24RK50-DVN
		7433501027	7433501029	7433501055	7433501057
8 Pin	2 m	EPIC MC08C1LSAB24CK20	EPIC MC08C1LSAB24RK20	EPIC MC08C1RSAB24CK20	EPIC MC08C1RSAB24RK20
		7433501030	7433501032	7433501058	7433501060
	5 m	EPIC MC08C1LSAB24CK50	EPIC MC08C1LSAB24RK50	EPIC MC08C1RSAB24CK50	EPIC MC08C1RSAB24RK50
		7433501031	7433501033	7433501059	7433501061
12 Pin	2 m	EPIC MC12C1LSAB26CK20	EPIC MC12C1LSAB26RK20	EPIC MC12C1RSAB26CK20	EPIC MC12C1RSAB26RK20
		7433501034	7433501036	7433501062	7433501064
	5 m	EPIC MC12C1LSAB26CK50	EPIC MC12C1LSAB26RK50	EPIC MC12C1RSAB26CK50	EPIC MC12C1RSAB26RK50
		7433501035	7433501037	7433501063	7433501065
17 Pin	2 m	EPIC MC17C1LSAB26CK20	EPIC MC17C1LSAB26RK20	EPIC MC17C1RSAB26CK20	EPIC MC17C1RSAB26RK20
		7433501038	7433501040	7433501066	7433501068
	5 m	EPIC MC17C1LSAB26CK50	EPIC MC17C1LSAB26RK50	EPIC MC17C1RSAB26CK50	EPIC MC17C1RSAB26RK50
		7433501039	7433501041	7433501067	7433501069

Cable's Color Coding & Wiring

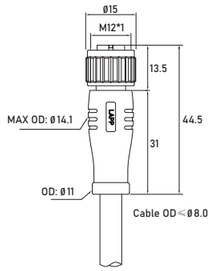
Poles & Wire Color Pin							
Pin 1	BN	BN	BN	PE	WH	WH	BN 13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU 14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH 15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN 16. YE/BN
Pin 5			GY	BU	GY	GY	PK 17. WH/GY
Pin 6					PK	PK	YE
Pin 7					BU	BU	BK
Pin 8					RD	RD	GY
Pin 9						OR	RD
Pin 10						VT	VT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

UL Pending

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

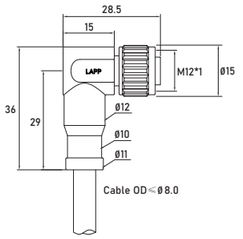
180°Straight





90°Right Angled





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						
Wire gauge	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	2 m	EPIC MC03C2LSAB22CK20	EPIC MC03C2LSAB22RK20	EPIC MC03C2RSAB22CK20	EPIC MC03C2RSAB22RK20
		7433501070	7433501072	7433501098	7433501100
	5 m	EPIC MC03C2LSAB22CK50	EPIC MC03C2LSAB22RK50	EPIC MC03C2RSAB22CK50	EPIC MC03C2RSAB22RK50
		7433501071	7433501073	7433501099	7433501101
4 Pin	2 m	EPIC MC04C2LSAB22CK20	EPIC MC04C2LSAB22RK20	EPIC MC04C2RSAB22CK20	EPIC MC04C2RSAB22RK20
		7433501074	7433501076	7433501102	7433501104
	5 m	EPIC MC04C2LSAB22CK50	EPIC MC04C2LSAB22RK50	EPIC MC04C2RSAB22CK50	EPIC MC04C2RSAB22RK50
		7433501075	7433501077	7433501103	7433501105
5 Pin	2 m	EPIC MC05C2LSAB22CK20	EPIC MC05C2LSAB22RK20	EPIC MC05C2RSAB22CK20	EPIC MC05C2RSAB22RK20
		7433501078	7433501080	7433501106	7433501108
	5 m	EPIC MC05C2LSAB22CK50	EPIC MC05C2LSAB22RK50	EPIC MC05C2RSAB22CK50	EPIC MC05C2RSAB22RK50
		7433501079	7433501081	7433501107	7433501109
CAN/DVN	2 m	EPIC MC05C2LSAB24CK20-DVN	EPIC MC05C2LSAB24RK20-DVN	EPIC MC05C2RSAB24CK20-DVN	EPIC MC05C2RSAB24RK20-DVN
		7433501082	7433501084	7433501110	7433501112
	5 m	EPIC MC05C2LSAB24CK50-DVN	EPIC MC05C2LSAB24RK50-DVN	EPIC MC05C2RSAB24CK50-DVN	EPIC MC05C2RSAB24RK50-DVN
		7433501083	7433501085	7433501111	7433501113
8 Pin	2 m	EPIC MC08C2LSAB24CK20	EPIC MC08C2LSAB24RK20	EPIC MC08C2RSAB24CK20	EPIC MC08C2RSAB24RK20
		7433501086	7433501088	7433501114	7433501116
	5 m	EPIC MC08C2LSAB24CK50	EPIC MC08C2LSAB24RK50	EPIC MC08C2RSAB24CK50	EPIC MC08C2RSAB24RK50
		7433501087	7433501089	7433501115	7433501117
12 Pin	2 m	EPIC MC12C2LSAB26CK20	EPIC MC12C2LSAB26RK20	EPIC MC12C2RSAB26CK20	EPIC MC12C2RSAB26RK20
		7433501090	7433501092	7433501118	7433501120
	5 m	EPIC MC12C2LSAB26CK50	EPIC MC12C2LSAB26RK50	EPIC MC12C2RSAB26CK50	EPIC MC12C2RSAB26RK50
		7433501091	7433501093	7433501119	7433501121
17 Pin	2 m	EPIC MC17C2LSAB26CK20	EPIC MC17C2LSAB26RK20	EPIC MC17C2RSAB26CK20	EPIC MC17C2RSAB26RK20
		7433501094	7433501096	7433501122	7433501124
	5 m	EPIC MC17C2LSAB26CK50	EPIC MC17C2LSAB26RK50	EPIC MC17C2RSAB26CK50	EPIC MC17C2RSAB26RK50
		7433501095	7433501097	7433501123	7433501125

Cable's Color Coding & Wiring

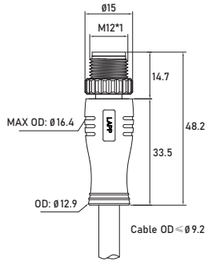
Poles & Wire Color Pin								
Pin 1	BN	BN	BN	PE	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	RD	BN	BN	BU	14. BN/GN
Pin 3	BU	BU	BU	BK	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	WH	YE	YE	GN	16. YE/BN
Pin 5			GY	BU	GY	GY	PK	17. WH/GY
Pin 6					PK	PK	YE	
Pin 7					BU	BU	BK	
Pin 8					RD	RD	GY	
Pin 9						OR	RD	
Pin 10						VT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

UL Pending

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

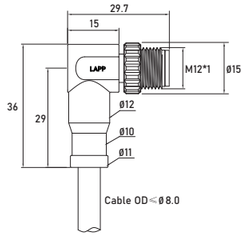
180°Straight





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	2.5mm² (14AWG)		
Rated termperature	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	EPIC MC03C1LCKB-16RK10	EPIC MC03C1RCKB-16CK10	EPIC MC03C1RCKB-16RK10
		7433501906	7433501911	7433501936	7433501941
	2 m	EPIC MC03C1LCKB-16CK20	EPIC MC03C1LCKB-16RK20	EPIC MC03C1RCKB-16CK20	EPIC MC03C1RCKB-16RK20
		7433501907	7433501912	7433501937	7433501942
	3 m	EPIC MC03C1LCKB-16CK30	EPIC MC03C1LCKB-16RK30	EPIC MC03C1RCKB-16CK30	EPIC MC03C1RCKB-16RK30
		7433501908	7433501913	7433501938	7433501943
	5 m	EPIC MC03C1LCKB-16CK50	EPIC MC03C1LCKB-16RK50	EPIC MC03C1RCKB-16CK50	EPIC MC03C1RCKB-16RK50
		7433501909	7433501914	7433501939	7433501944
	10 m	EPIC MC03C1LCKB-16CK100	EPIC MC03C1LCKB-16RK100	EPIC MC03C1RCKB-16CK100	EPIC MC03C1RCKB-16RK100
		7433501910	7433501915	7433501940	7433501945
3+PE (4Pin)	1 m	EPIC MC04C1LCKB-16CK10	EPIC MC04C1LCKB-16RK10	EPIC MC04C1RCKB-16CK10	EPIC MC04C1RCKB-16RK10
		7433501916	7433501921	7433501946	7433501951
	2 m	EPIC MC04C1LCKB-16CK20	EPIC MC04C1LCKB-16RK20	EPIC MC04C1RCKB-16CK20	EPIC MC04C1RCKB-16RK20
		7433501917	7433501922	7433501947	7433501952
	3 m	EPIC MC04C1LCKB-16CK30	EPIC MC04C1LCKB-16RK30	EPIC MC04C1RCKB-16CK30	EPIC MC04C1RCKB-16RK30
		7433501918	7433501923	7433501948	7433501953
	5 m	EPIC MC04C1LCKB-16CK50	EPIC MC04C1LCKB-16RK50	EPIC MC04C1RCKB-16CK50	EPIC MC04C1RCKB-16RK50
		7433501919	7433501924	7433501949	7433501954
	10 m	EPIC MC04C1LCKB-16CK100	EPIC MC04C1LCKB-16RK100	EPIC MC04C1RCKB-16CK100	EPIC MC04C1RCKB-16RK100
		7433501920	7433501925	7433501950	7433501955
4+PE (5Pin)	1 m	EPIC MC05C1LCKB-16CK10	EPIC MC05C1LCKB-16RK10	EPIC MC05C1RCKB-16CK10	EPIC MC05C1RCKB-16RK10
		7433501926	7433501931	7433501956	7433501961
	2 m	EPIC MC05C1LCKB-16CK20	EPIC MC05C1LCKB-16RK20	EPIC MC05C1RCKB-16CK20	EPIC MC05C1RCKB-16RK20
		7433501927	7433501932	7433501957	7433501962
	3 m	EPIC MC05C1LCKB-16CK30	EPIC MC05C1LCKB-16RK30	EPIC MC05C1RCKB-16CK30	EPIC MC05C1RCKB-16RK30
		7433501928	7433501933	7433501958	7433501963
	5 m	EPIC MC05C1LCKB-16CK50	EPIC MC05C1LCKB-16RK50	EPIC MC05C1RCKB-16CK50	EPIC MC05C1RCKB-16RK50
		7433501929	7433501934	7433501959	7433501964
	10 m	EPIC MC05C1LCKB-16CK100	EPIC MC05C1LCKB-16RK100	EPIC MC05C1RCKB-16CK100	EPIC MC05C1RCKB-16RK100
		7433501930	7433501935	7433501960	7433501965

Cable's Color Coding & Wiring

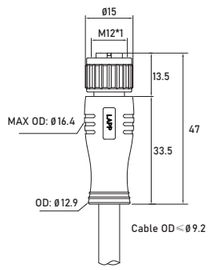
Poles & Wire Color Pin			
Pin 1		BK1	BK1
Pin 2	BK2	BK2	BK2
Pin 3	BK3	BK3	BK3
Pin 4			BK4
PEPin 5	YE/GN	YE/GN	YE/GN

UL Pending

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

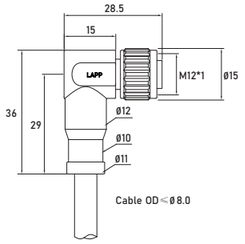
180°Straight





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	2.5mm² (14AWG)		
Rated termperature	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	EPIC MC03C2LCKB-16RK10	EPIC MC03C2RCKB-16CK10	EPIC MC03C2RCKB-16RK10
		7433501966	7433501971	7433501996	7433502001
	2 m	EPIC MC03C2LCKB-16CK20	EPIC MC03C2LCKB-16RK20	EPIC MC03C2RCKB-16CK20	EPIC MC03C2RCKB-16RK20
		7433501967	7433501972	7433501997	7433502002
	3 m	EPIC MC03C2LCKB-16CK30	EPIC MC03C2LCKB-16RK30	EPIC MC03C2RCKB-16CK30	EPIC MC03C2RCKB-16RK30
		7433501968	7433501973	7433501998	7433502003
	5 m	EPIC MC03C2LCKB-16CK50	EPIC MC03C2LCKB-16RK50	EPIC MC03C2RCKB-16CK50	EPIC MC03C2RCKB-16RK50
		7433501969	7433501974	7433501999	7433502004
	10 m	EPIC MC03C2LCKB-16CK100	EPIC MC03C2LCKB-16RK100	EPIC MC03C2RCKB-16CK100	EPIC MC03C2RCKB-16RK100
		7433501970	7433501975	7433502000	7433502005
3+PE (4Pin)	1 m	EPIC MC04C2LCKB-16CK10	EPIC MC04C2LCKB-16RK10	EPIC MC04C2RCKB-16CK10	EPIC MC04C2RCKB-16RK10
		7433501976	7433501981	7433502006	7433502011
	2 m	EPIC MC04C2LCKB-16CK20	EPIC MC04C2LCKB-16RK20	EPIC MC04C2RCKB-16CK20	EPIC MC04C2RCKB-16RK20
		7433501977	7433501982	7433502007	7433502012
	3 m	EPIC MC04C2LCKB-16CK30	EPIC MC04C2LCKB-16RK30	EPIC MC04C2RCKB-16CK30	EPIC MC04C2RCKB-16RK30
		7433501978	7433501983	7433502008	7433502013
	5 m	EPIC MC04C2LCKB-16CK50	EPIC MC04C2LCKB-16RK50	EPIC MC04C2RCKB-16CK50	EPIC MC04C2RCKB-16RK50
		7433501979	7433501984	7433502009	7433502014
	10 m	EPIC MC04C2LCKB-16CK100	EPIC MC04C2LCKB-16RK100	EPIC MC04C2RCKB-16CK100	EPIC MC04C2RCKB-16RK100
		7433501980	7433501985	7433502010	7433502015
4+PE (5Pin)	1 m	EPIC MC05C2LCKB-16CK10	EPIC MC05C2LCKB-16RK10	EPIC MC05C2RCKB-16CK10	EPIC MC05C2RCKB-16RK10
		7433501986	7433501991	7433502016	7433502021
	2 m	EPIC MC05C2LCKB-16CK20	EPIC MC05C2LCKB-16RK20	EPIC MC05C2RCKB-16CK20	EPIC MC05C2RCKB-16RK20
		7433501987	7433501992	7433502017	7433502022
	3 m	EPIC MC05C2LCKB-16CK30	EPIC MC05C2LCKB-16RK30	EPIC MC05C2RCKB-16CK30	EPIC MC05C2RCKB-16RK30
		7433501988	7433501993	7433502018	7433502023
	5 m	EPIC MC05C2LCKB-16CK50	EPIC MC05C2LCKB-16RK50	EPIC MC05C2RCKB-16CK50	EPIC MC05C2RCKB-16RK50
		7433501989	7433501994	7433502019	7433502024
	10 m	EPIC MC05C2LCKB-16CK100	EPIC MC05C2LCKB-16RK100	EPIC MC05C2RCKB-16CK100	EPIC MC05C2RCKB-16RK100
		7433501990	7433501995	7433502020	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

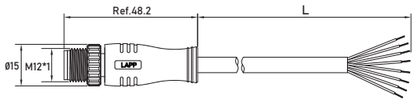
UL Pending

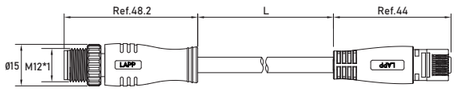
M12 A-Code Ethernet Cable

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









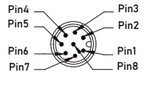
Connector Technical data			
Contacts No.	M12 Male	Cable Color	RJ45 Male
Front View			

Reference Standard	IEC 61076-2-101
Rated current	2A
Rated voltage	30V
Impulse voltage	1500V
Locking system	M12 x 1.0 screw
Termination	M12: Soldering, RJ45: Piercing
Cable specification	Cat 5E 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
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PA66 + GF
Screw nut	Brass, CNC, nickel-plated
Contact	Brass
Contacts plating	Au (3μ" Gold)
O-ring	N / A
Protection degree	IP67(M12)
Drag chain bending	N/A
Pollution degree	3

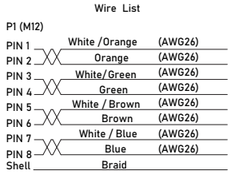
Ordering No.

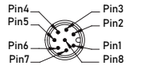
Poles	Cable length	M12 Singled ended Cable		M12 - RJ45 Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8 Pin	0.3 m	EPIC MC08C1LSASB26CG03-PFN	EPIC MC08C1LSASB26RG03-PFN	EPIC RJ5E-MC08C1LSASB26CG03-PFN	EPIC RJ5E-MC08C1LSASB26RG03-PFN
		7433502664	7433502670	7433502676	7433502682
	0.6 m	EPIC MC08C1LSASB26CG06-PFN	EPIC MC08C1LSASB26RG06-PFN	EPIC RJ5E-MC08C1LSASB26CG06-PFN	EPIC RJ5E-MC08C1LSASB26RG06-PFN
		7433502665	7433502671	7433502677	7433502683
	1.0 m	EPIC MC08C1LSASB26CG10-PFN	EPIC MC08C1LSASB26RG10-PFN	EPIC RJ5E-MC08C1LSASB26CG10-PFN	EPIC RJ5E-MC08C1LSASB26RG10-PFN
		7433502666	7433502672	7433502678	7433502684
	1.5 m	EPIC MC08C1LSASB26CG15-PFN	EPIC MC08C1LSASB26RG15-PFN	EPIC RJ5E-MC08C1LSASB26CG15-PFN	EPIC RJ5E-MC08C1LSASB26RG15-PFN
		7433502667	7433502673	7433502679	7433502685
	2.0 m	EPIC MC08C1LSASB26CG20-PFN	EPIC MC08C1LSASB26RG20-PFN	EPIC RJ5E-MC08C1LSASB26CG20-PFN	EPIC RJ5E-MC08C1LSASB26RG20-PFN
		7433502668	7433502674	7433502680	7433502686
	3.0 m	EPIC MC08C1LSASB26CG30-PFN	EPIC MC08C1LSASB26RG30-PFN	EPIC RJ5E-MC08C1LSASB26CG30-PFN	EPIC RJ5E-MC08C1LSASB26RG30-PFN
		7433502669	7433502675	7433502681	7433502687

Wiring Diagram

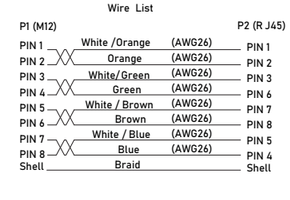


Pin Assignment
Front View
M12 male A-Coding 8PIN





Pin Assignment
Front View
M12 male A-Coding 8PIN





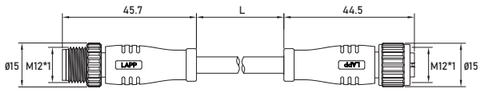
Pin Assignment
Front View
RJ45 8PIN male

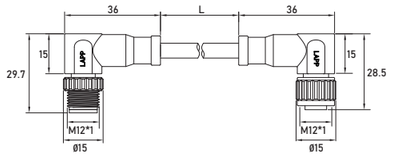
M12 A-Code Connecting Cable

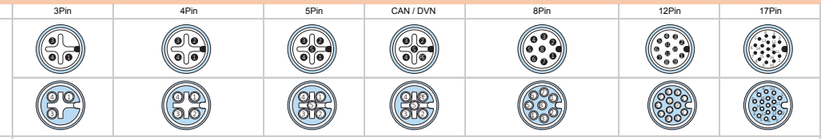
M12 A-Code, male to female, double ended, molded cable, Un-shielded









Connector Technical data						
Contacts No .	3Pin	4Pin	5Pin	CAN / DVN	8Pin	12Pin	17Pin
Front View							

Reference Standard	IEC 61076-2-101			
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 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	1 m	EPIC MC03C3LSAB22CK10	EPIC MC03C3LSAB22RK10	EPIC MC03C3RSAB22CK10	EPIC MC03C3RSAB22RK10
		7433502688	7433502691	7433502724	7433502727
	2 m	EPIC MC03C3LSAB22CK20	EPIC MC03C3LSAB22RK20	EPIC MC03C3RSAB22CK20	EPIC MC03C3RSAB22RK20
		7433502689	7433502692	7433502725	7433502728
	5 m	EPIC MC03C3LSAB22CK50	EPIC MC03C3LSAB22RK50	EPIC MC03C3RSAB22CK50	EPIC MC03C3RSAB22RK50
		7433502690	7433502693	7433502726	7433502729
4 Pin	1 m	EPIC MC04C3LSAB22CK10	EPIC MC04C3LSAB22RK10	EPIC MC04C3RSAB22CK10	EPIC MC04C3RSAB22RK10
		7433502694	7433502697	7433502730	7433502733
	2 m	EPIC MC04C3LSAB22CK20	EPIC MC04C3LSAB22RK20	EPIC MC04C3RSAB22CK20	EPIC MC04C3RSAB22RK20
		7433502695	7433502698	7433502731	7433502734
	5 m	EPIC MC04C3LSAB22CK50	EPIC MC04C3LSAB22RK50	EPIC MC04C3RSAB22CK50	EPIC MC04C3RSAB22RK50
		7433502696	7433502699	7433502732	7433502735
5 Pin	1 m	EPIC MC05C3LSAB22CK10	EPIC MC05C3LSAB22RK10	EPIC MC05C3RSAB22CK10	EPIC MC05C3RSAB22RK10
		7433502700	7433502703	7433502736	7433502739
	2 m	EPIC MC05C3LSAB22CK20	EPIC MC05C3LSAB22RK20	EPIC MC05C3RSAB22CK20	EPIC MC05C3RSAB22RK20
		7433502701	7433502704	7433502737	7433502740
	5 m	EPIC MC05C3LSAB22CK50	EPIC MC05C3LSAB22RK50	EPIC MC05C3RSAB22CK50	EPIC MC05C3RSAB22RK50
		7433502702	7433502705	7433502738	7433502741
8 Pin	1 m	EPIC MC08C3LSAB24CK10	EPIC MC08C3LSAB24RK10	EPIC MC08C3RSAB24CK10	EPIC MC08C3RSAB24RK10
		7433502706	7433502709	7433502742	7433502745
	2 m	EPIC MC08C3LSAB24CK20	EPIC MC08C3LSAB24RK20	EPIC MC08C3RSAB24CK20	EPIC MC08C3RSAB24RK20
		7433502707	7433502710	7433502743	7433502746
	5 m	EPIC MC08C3LSAB24CK50	EPIC MC08C3LSAB24RK50	EPIC MC08C3RSAB24CK50	EPIC MC08C3RSAB24RK50
		7433502708	7433502711	7433502744	7433502747
12 Pin	1 m	EPIC MC12C3LSAB26CK10	EPIC MC12C3LSAB26RK10	EPIC MC12C3RSAB26CK10	EPIC MC12C3RSAB26RK10
		7433502712	7433502715	7433502748	7433502751
	2 m	EPIC MC12C3LSAB26CK20	EPIC MC12C3LSAB26RK20	EPIC MC12C3RSAB26CK20	EPIC MC12C3RSAB26RK20
		7433502713	7433502716	7433502749	7433502752
	5 m	EPIC MC12C3LSAB26CK50	EPIC MC12C3LSAB26RK50	EPIC MC12C3RSAB26CK50	EPIC MC12C3RSAB26RK50
		7433502714	7433502717	7433502750	7433502753
17 Pin	1 m	EPIC MC17C3LSAB26CK10	EPIC MC17C3LSAB26RK10	EPIC MC17C3RSAB26CK10	EPIC MC17C3RSAB26RK10
		7433502718	7433502721	7433502754	7433502757
	2 m	EPIC MC17C3LSAB26CK20	EPIC MC17C3LSAB26RK20	EPIC MC17C3RSAB26CK20	EPIC MC17C3RSAB26RK20
		7433502719	7433502722	7433502755	7433502758
	5 m	EPIC MC17C3LSAB26CK50	EPIC MC17C3LSAB26RK50	EPIC MC17C3RSAB26CK50	EPIC MC17C3RSAB26RK50
		7433502720	7433502723	7433502756	7433502759

Global Leader in Connectivity Solutions

LAPP is the world market leader in connectivity solutions for professional and industrial applications. We offer everything from **cables, cordsets, connectors, and accessories to fully integrated connectivity solutions**, all from a single trusted source.

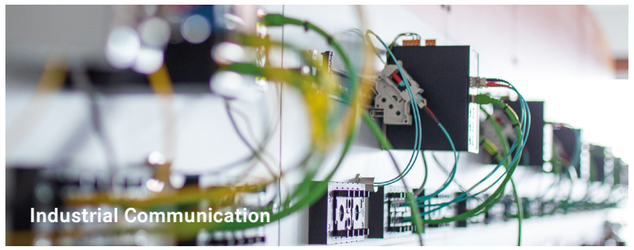
Operating in more than **80 countries** and offering over **50,000 products worldwide**, our global family business is close to your needs and challenges, ensuring fast and reliable support wherever you are.

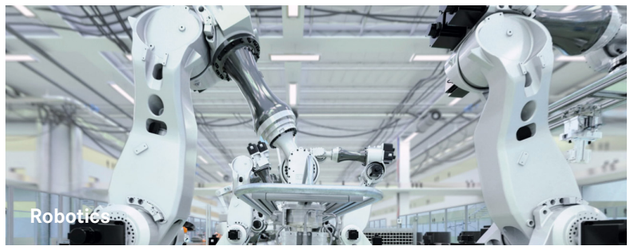
Our products are used in production machines, industrial robots, food processing plants and much more, demonstrating broad cross-industry expertise.

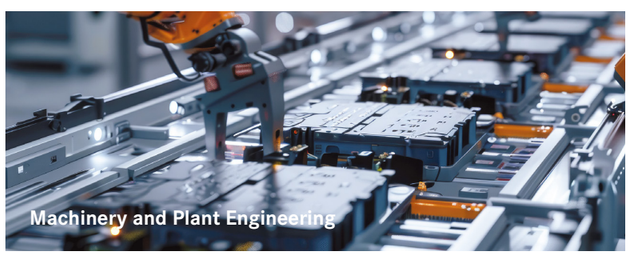
With innovation, quality, and customer focus, LAPP ensures your success in a connected world. Wherever your business takes you, **we keep your industry alive**.











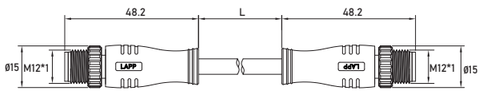
Save time with Push-Pull locking

EPIC® ClickConnect M12

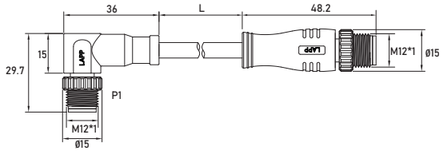
LAPP's highly flexible cordset for moving machine parts and cable chains offers quick connection with future-proof EPIC® ClickConnect M12 push-pull connections in accordance with DIN EN IEC 61076-2-010: simply plug together instead of screwing – a real time saver for many connections! The connectors are vibration-proof and robust.

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： 0.8Nm	
Termination	Soldering	
Cable specification	0.34mm²(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 (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)
4 Pin	1 m	EPIC MC04C5LSDSB22CG10-C5E	EPIC MC04C5LSDSB22RG10-C5E	EPIC MC04C5LRSDSB22CG10-C5E	EPIC MC04C5LRSDSB22RG10-C5E
		7433503264	7433503270	7433503276	7433503282
	2 m	EPIC MC04C5LSDSB22CG20-C5E	EPIC MC04C5LSDSB22RG20-C5E	EPIC MC04C5LRSDSB22CG20-C5E	EPIC MC04C5LRSDSB22RG20-C5E
		7433503265	7433503271	7433503277	7433503283
	5 m	EPIC MC04C5LSDSB22CG50-C5E	EPIC MC04C5LSDSB22RG50-C5E	EPIC MC04C5LRSDSB22CG50-C5E	EPIC MC04C5LRSDSB22RG50-C5E
		7433503266	7433503272	7433503278	7433503284
	10 m	EPIC MC04C5LSDSB22CG100-C5E	EPIC MC04C5LSDSB22RG100-C5E	EPIC MC04C5LRSDSB22CG100-C5E	EPIC MC04C5LRSDSB22RG100-C5E
		7433503267	7433503273	7433503279	7433503285
	15 m	EPIC MC04C5LSDSB22CG150-C5E	EPIC MC04C5LSDSB22RG150-C5E	EPIC MC04C5LRSDSB22CG150-C5E	EPIC MC04C5LRSDSB22RG150-C5E
		7433503268	7433503274	7433503280	7433503286
	20 m	EPIC MC04C5LSDSB22CG200-C5E	EPIC MC04C5LSDSB22RG200-C5E	EPIC MC04C5LRSDSB22CG200-C5E	EPIC MC04C5LRSDSB22RG200-C5E
		7433503269	7433503275	7433503281	7433503287

Wiring Diagram



Pin Assignment
Front View
M12 male D-Coding 4 Pin





Pin Assignment
Front View
M12 male D-Coding 4 Pin

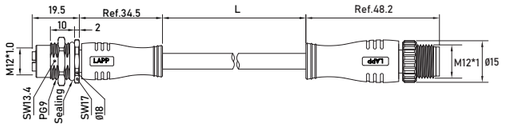
UL Pending

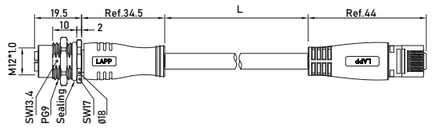
M12 X-Code Ethernet Cable

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









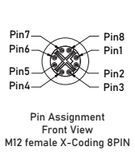
Connector Technical data			
Contacts No.	Male Female	Cable color	RJ45Male Female
Front View			

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
Characteristic impedance	100Ω ±15
Over-molding	TPU
Contact carrier	PA66 + 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.

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 MC08C1P8LSXSB26CG10	EPIC MC08C1P8LSXSB26RLB10	EPIC MC08P8LSXSB26CG10-RJ6A	EPIC MC08P8LSXSB26RLB10-RJ6A
		7433503372	7433503378	7433503384	7433503390
	2 m	EPIC MC08C1P8LSXSB26CG20	EPIC MC08C1P8LSXSB26RLB20	EPIC MC08P8LSXSB26CG20-RJ6A	EPIC MC08P8LSXSB26RLB20-RJ6A
		7433503373	7433503379	7433503385	7433503391
	3 m	EPIC MC08C1P8LSXSB26CG30	EPIC MC08C1P8LSXSB26RLB30	EPIC MC08P8LSXSB26CG30-RJ6A	EPIC MC08P8LSXSB26RLB30-RJ6A
		7433503374	7433503380	7433503386	7433503392
	5 m	EPIC MC08C1P8LSXSB26CG50	EPIC MC08C1P8LSXSB26RLB50	EPIC MC08P8LSXSB26CG50-RJ6A	EPIC MC08P8LSXSB26RLB50-RJ6A
		7433503375	7433503381	7433503387	7433503393
	10 m	EPIC MC08C1P8LSXSB26CG100	EPIC MC08C1P8LSXSB26RLB100	EPIC MC08P8LSXSB26CG100-RJ6A	EPIC MC08P8LSXSB26RLB100-RJ6A
		7433503376	7433503382	7433503388	7433503394
	15 m	EPIC MC08C1P8LSXSB26CG150	EPIC MC08C1P8LSXSB26RLB150	EPIC MC08P8LSXSB26CG150-RJ6A	EPIC MC08P8LSXSB26RLB150-RJ6A
		7433503377	7433503383	7433503389	7433503395

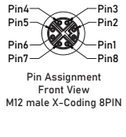
Wiring Diagram



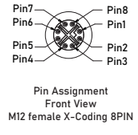
Pin Assignment
Front View
M12 female X-Coding 8PIN

Wire List

P1(M12)			P2(M12)
Pin1	White/Orange	(AWG 26)	Pin1
Pin2	Orange	(AWG 26)	Pin2
Pin3	White/Green	(AWG 26)	Pin3
Pin4	Green	(AWG 26)	Pin6
Pin5	White/Brown	(AWG 26)	Pin7
Pin6	Brown	(AWG 26)	Pin8
Pin7	White/Blue	(AWG 26)	Pin5
Pin8	Blue	(AWG 26)	Pin4
Shell	Braid		Shell



Pin Assignment
Front View
M12 male X-Coding 8PIN



Pin Assignment
Front View
M12 female X-Coding 8PIN

Wire List

P1(M12)			P2(M12)
Pin1	White/Orange	(AWG 26)	Pin1
Pin2	Orange	(AWG 26)	Pin2
Pin3	White/Green	(AWG 26)	Pin3
Pin4	Green	(AWG 26)	Pin6
Pin5	White/Brown	(AWG 26)	Pin7
Pin6	Brown	(AWG 26)	Pin8
Pin7	White/Blue	(AWG 26)	Pin5
Pin8	Blue	(AWG 26)	Pin4
Shell	Braid		Shell



Pin Assignment
Front View
RJ45 8Pin male

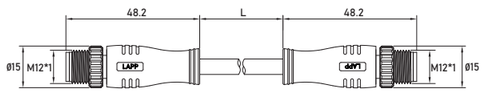
UL Pending

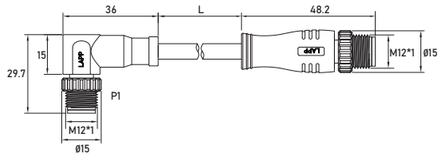
M12 X-Code Profinet/ Ethernet Cables

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









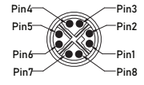
Connector Technical data	
Contacts No.	8Pin
Front View	

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 (0.14mm²) 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
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 MC08C5LSXSB26CG10	EPIC MC08C5LSXSB26RLB10-PFNF2	EPIC MC08C5LRSXSB26CG10	EPIC MC08C5LRSXSB26RLB10-PFNF2
		7433503396	7433503402	7433503408	7433503414
	2 m	EPIC MC08C5LSXSB26CG20	EPIC MC08C5LSXSB26RLB20-PFNF2	EPIC MC08C5LRSXSB26CG20	EPIC MC08C5LRSXSB26RLB20-PFNF2
		7433503397	7433503403	7433503409	7433503415
	3 m	EPIC MC08C5LSXSB26CG30	EPIC MC08C5LSXSB26RLB30-PFNF2	EPIC MC08C5LRSXSB26CG30	EPIC MC08C5LRSXSB26RLB30-PFNF2
		7433503398	7433503404	7433503410	7433503416
	5 m	EPIC MC08C5LSXSB26CG50	EPIC MC08C5LSXSB26RLB50-PFNF2	EPIC MC08C5LRSXSB26CG50	EPIC MC08C5LRSXSB26RLB50-PFNF2
		7433503399	7433503405	7433503411	7433503417
	10 m	EPIC MC08C5LSXSB26CG100	EPIC MC08C5LSXSB26RLB100-PFNF2	EPIC MC08C5LRSXSB26CG100	EPIC MC08C5LRSXSB26RLB100-PFNF2
		7433503400	7433503406	7433503412	7433503418
	15 m	EPIC MC08C5LSXSB26CG150	EPIC MC08C5LSXSB26RLB150-PFNF2	EPIC MC08C5LRSXSB26CG150	EPIC MC08C5LRSXSB26RLB150-PFNF2
		7433503401	7433503407	7433503413	7433503419

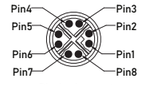
Wiring Diagram



Pin Assignment
Front View
M12 female X-Coding 8PIN

Wire List

P1(M12)			P2(M12)
Pin1	White/Orange	(AWG 26)	Pin1
Pin2	Orange	(AWG 26)	Pin2
Pin3	White/Green	(AWG 26)	Pin3
Pin4	Green	(AWG 26)	Pin4
Pin5	White/Brown	(AWG 26)	Pin5
Pin6	Brown	(AWG 26)	Pin6
Pin7	White/Blue	(AWG 26)	Pin7
Pin8	Blue	(AWG 26)	Pin8
Shell	Braid		Shell



Pin Assignment
Front View
M12 female X-Coding 8PIN

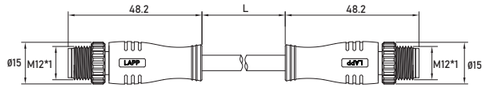
UL Pending

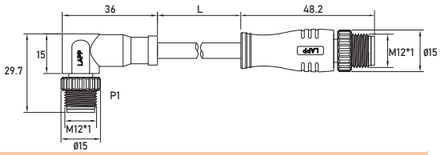
M12 X-Code Profinet/ Ethernet Cables

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









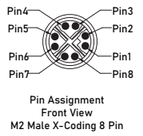
Connector Technical data

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	800V	
Locking system	M12 x 1.0 screw	
Tightening Torque	Recommend0.4Nm, 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	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	

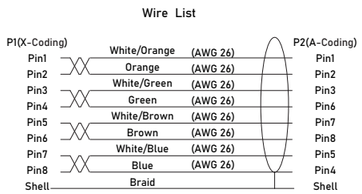
Ordering No.

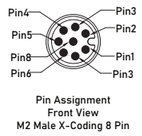
Poles	Cable length	180° Straight		90° Right Angled - 180° Straight	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
8Pin	1 m	EPIC MC08C1LSX-MC08C1LSASB26CG10-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG10-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG10-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG10-PFN
		7433503628	7433503634	7433503640	7433503646
	2 m	EPIC MC08C1LSX-MC08C1LSASB26CG20-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG20-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG20-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG20-PFN
		7433503629	7433503635	7433503641	7433503647
	3 m	EPIC MC08C1LSX-MC08C1LSASB26CG30-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG30-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG30-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG30-PFN
		7433503630	7433503636	7433503642	7433503648
	5 m	EPIC MC08C1LSX-MC08C1LSASB26CG50-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG50-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG50-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG50-PFN
		7433503631	7433503637	7433503643	7433503649
	10 m	EPIC MC08C1LSX-MC08C1LSASB26CG100-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG100-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG100-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG100-PFN
		7433503632	7433503638	7433503644	7433503650
	15 m	EPIC MC08C1LSX-MC08C1LSASB26CG150-PFN	EPIC MC08C1LSX-MC08C1LSASB26RG100-PFN	EPIC MC08C1RSX-MC08C1LSASB26CG100-PFN	EPIC MC08C1RSX-MC08C1LSASB26RG100-PFN
		7433503633	7433503639	7433503645	7433503651

Wiring Diagram



Pin Assignment
Front View
M2 Male X-Coding 8 Pin





Pin Assignment
Front View
M2 Male X-Coding 8 Pin

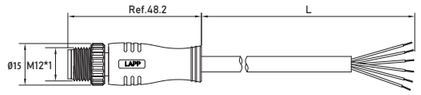
UL Pending

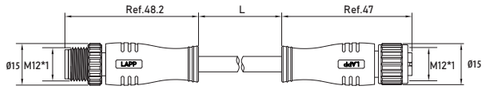
M12 L-Code 16A Power Cable

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	2.5mm² (14AWG)	
Rated termperature	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.

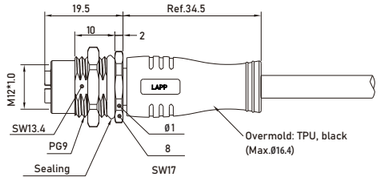
Poles	Cable length	Singled ended Cable		Double Ended Cable	
		PVC (Cable)	PUR (Cable)	PVC (Cable)	PUR (Cable)
4+PE (5Pin)	1 m	EPIC MC4EC1LCLB-14CK10	EPIC MC4EC1LCLB-14RK10	EPIC MC4EC3LCLB-14CK10	EPIC MC4EC3LCLB-14RK10
		7433503652	7433503657	7433503662	7433503667
	2 m	EPIC MC4EC1LCLB-14CK20	EPIC MC4EC1LCLB-14RK20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

UL Pending

M12 X-Code female panel mount 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	0.14mm² (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	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)
8Pin	1 m	EPIC MC08P8LSXSB26CG10-PFN	EPIC MC08P8LSXSB26RG10-PFN
		7433503996	7433504002
	2 m	EPIC MC08P8LSXSB26CG20-PFN	EPIC MC08P8LSXSB26RG20-PFN
		7433503997	7433504003
	5 m	EPIC MC08P8LSXSB26CG30-PFN	EPIC MC08P8LSXSB26RG30-PFN
		7433503998	7433504004
	3 m	EPIC MC08P8LSXSB26CG50-PFN	EPIC MC08P8LSXSB26RG50-PFN
		7433503999	7433504005
	10 m	EPIC MC08P8LSXSB26CG100-PFN	EPIC MC08P8LSXSB26RG100-PFN
		7433504000	7433504006
	15 m	EPIC MC08P8LSXSB26CG150-PFN	EPIC MC08P8LSXSB26RG150-PFN
		7433504001	7433504007

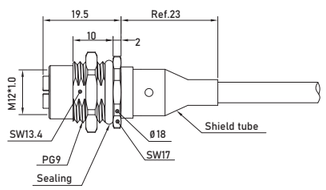
Cable's Color Coding & Wiring

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

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	0.14mm² (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	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.

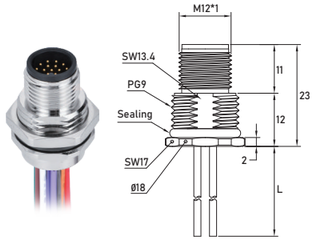
Poles	Cable length	PVC (Cable)		PUR (Cable)	
8Pin	1 m	EPIC MC08P2LSXSB26CG10-PFN	7433504008	EPIC MC08P2LSXSB26RG10-PFN	7433504014
	2 m	EPIC MC08P2LSXSB26CG20-PFN	7433504009	EPIC MC08P2LSXSB26RG20-PFN	7433504015
	3 m	EPIC MC08P2LSXSB26CG30-PFN	7433504010	EPIC MC08P2LSXSB26RG30-PFN	7433504016
	5 m	EPIC 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

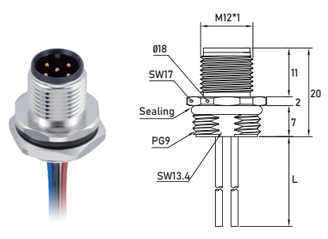
Poles & Wire Color / Pin		
Pin 1	WH/OR	WH/OR
Pin 2	OR	OR
Pin 3	WH/GN	WH/GN
Pin 4	GN	GN
Pin 5	WH/BN	WH/BN
Pin 6	BN	BN
Pin 7	WH/BU	WH/BU
Pin 8	BU	BU
Shell	Braid	Braid

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

Front Fastened

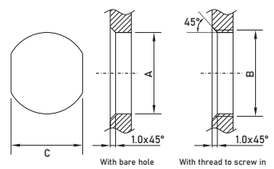


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 $^{+0.1}_{-0.3}$	16.1 $^{+0.1}_{-0.3}$	20.1 $^{+0.1}_{-0.3}$	21.4 $^{+0.1}_{-0.3}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 $^{+0.1}_{-0.3}$	13.6 $^{+0.1}_{-0.3}$	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		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	0.34mm² (AWG 22)			0.25mm² (AWG 24)	0.14mm² (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.

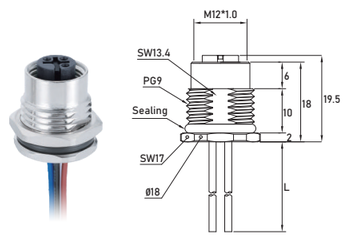
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P1LSABP9-22W02 7433505366	EPIC MC03P1LSAB16-22W02 7433505368	EPIC MC03P1LSAB20-22W02 7433505370	EPIC MC03P1LSA814N-22W02 7433505372	EPIC MC03P3LSABP9-22W02 7433505414	EPIC MC03P3LSAB16-22W02 7433505416	EPIC MC03P3LSAB20-22W02 7433505418	EPIC MC03P3LSA814N-22W02 7433505420
	0.5 m	EPIC MC03P1LSABP9-22W05 7433505367	EPIC MC03P1LSAB16-22W05 7433505369	EPIC MC03P1LSAB20-22W05 7433505371	EPIC MC03P1LSA814N-22W05 7433505373	EPIC MC03P3LSABP9-22W05 7433505415	EPIC MC03P3LSAB16-22W05 7433505417	EPIC MC03P3LSAB20-22W05 7433505419	EPIC MC03P3LSA814N-22W05 7433505421
4 Pin	0.2 m	EPIC MC04P1LSABP9-22W02 7433505374	EPIC MC04P1LSAB16-22W02 7433505376	EPIC MC04P1LSAB20-22W02 7433505378	EPIC MC04P1LSA814N-22W02 7433505380	EPIC MC04P3LSABP9-22W02 7433505422	EPIC MC04P3LSAB16-22W02 7433505424	EPIC MC04P3LSAB20-22W02 7433505426	EPIC MC04P3LSA814N-22W02 7433505428
	0.5 m	EPIC MC04P1LSABP9-22W05 7433505375	EPIC MC04P1LSAB16-22W05 7433505377	EPIC MC04P1LSAB20-22W05 7433505379	EPIC MC04P1LSA814N-22W05 7433505381	EPIC MC04P3LSABP9-22W05 7433505423	EPIC MC04P3LSAB16-22W05 7433505425	EPIC MC04P3LSAB20-22W05 7433505427	EPIC MC04P3LSA814N-22W05 7433505429
5 Pin	0.2 m	EPIC MC05P1LSABP9-22W02 7433505382	EPIC MC05P1LSAB16-22W02 7433505384	EPIC MC05P1LSAB20-22W02 7433505386	EPIC MC05P1LSA814N-22W02 7433505388	EPIC MC05P3LSABP9-22W02 7433505430	EPIC MC05P3LSAB16-22W02 7433505432	EPIC MC05P3LSAB20-22W02 7433505434	EPIC MC05P3LSA814N-22W02 7433505436
	0.5 m	EPIC MC05P1LSABP9-22W05 7433505383	EPIC MC05P1LSAB16-22W05 7433505385	EPIC MC05P1LSAB20-22W05 7433505387	EPIC MC05P1LSA814N-22W05 7433505389	EPIC MC05P3LSABP9-22W05 7433505431	EPIC MC05P3LSAB16-22W05 7433505433	EPIC MC05P3LSAB20-22W05 7433505435	EPIC MC05P3LSA814N-22W05 7433505437
8 Pin	0.2 m	EPIC MC08P1LSABP9-24W02 7433505390	EPIC MC08P1LSAB16-24W02 7433505392	EPIC MC08P1LSAB20-24W02 7433505394	EPIC MC08P1LSA814N-24W02 7433505396	EPIC MC08P3LSABP9-24W02 7433505438	EPIC MC08P3LSAB16-24W02 7433505440	EPIC MC08P3LSAB20-24W02 7433505442	EPIC MC08P3LSA814N-24W02 7433505444
	0.5 m	EPIC MC08P1LSABP9-24W05 7433505391	EPIC MC08P1LSAB16-24W05 7433505393	EPIC MC08P1LSAB20-24W05 7433505395	EPIC MC08P1LSA814N-24W05 7433505397	EPIC MC08P3LSABP9-24W05 7433505439	EPIC MC08P3LSAB16-24W05 7433505441	EPIC MC08P3LSAB20-24W05 7433505443	EPIC MC08P3LSA814N-24W05 7433505445
12 Pin	0.2 m	EPIC MC12P1LSABP9-26W02 7433505398	EPIC MC12P1LSAB16-26W02 7433505400	EPIC MC12P1LSAB20-26W02 7433505402	EPIC MC12P1LSA814N-26W02 7433505404	EPIC MC12P3LSABP9-26W02 7433505446	EPIC MC12P3LSAB16-26W02 7433505448	EPIC MC12P3LSAB20-26W02 7433505450	EPIC MC12P3LSA814N-26W02 7433505452
	0.5 m	EPIC MC12P1LSABP9-26W05 7433505399	EPIC MC12P1LSAB16-26W05 7433505401	EPIC MC12P1LSAB20-26W05 7433505403	EPIC MC12P1LSA814N-26W05 7433505405	EPIC MC12P3LSABP9-26W05 7433505447	EPIC MC12P3LSAB16-26W05 7433505449	EPIC MC12P3LSAB20-26W05 7433505451	EPIC MC12P3LSA814N-26W05 7433505453
17 Pin	0.2 m	EPIC MC17P1LSABP9-26W02 7433505406	EPIC MC17P1LSAB16-26W02 7433505408	EPIC MC17P1LSAB20-26W02 7433505410	EPIC MC17P1LSA814N-26W02 7433505412	EPIC MC17P3LSABP9-26W02 7433505454	EPIC MC17P3LSAB16-26W02 7433505456	EPIC MC17P3LSAB20-26W02 7433505458	EPIC MC17P3LSA814N-26W02 7433505460
	0.5 m	EPIC MC17P1LSABP9-26W05 7433505407	EPIC MC17P1LSAB16-26W05 7433505409	EPIC MC17P1LSAB20-26W05 7433505411	EPIC MC17P1LSA814N-26W05 7433505413	EPIC MC17P3LSABP9-26W05 7433505455	EPIC MC17P3LSAB16-26W05 7433505457	EPIC MC17P3LSAB20-26W05 7433505459	EPIC MC17P3LSA814N-26W05 7433505461

Wires' Color Coding

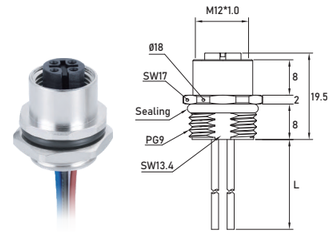
Poles & Wire Color / Pin						 (17Pin)	
Pin 1	BN	BN	BN	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	BN	BN	BU.	14. BN/GN
Pin 3	BU	BU	BU	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	YE	YE	GN .	16. YE/BN
Pin 5			GY	GY	GY	PK	17. WH/GY
Pin 6				PK	PK	YE	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9					OR	RD	
Pin 10					VT	VT	
Pin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

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

Front Fastened

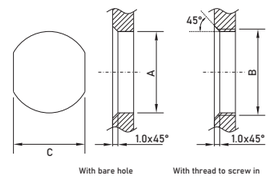


Front Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 $^{+0.1}_{-0.3}$	16.1 $^{+0.1}_{-0.3}$	20.1 $^{+0.1}_{-0.3}$	21.4 $^{+0.1}_{-0.3}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 $^{+0.1}_{-0.3}$	13.6 $^{+0.1}_{-0.3}$	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		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	0.34mm² (AWG 22)			0.25mm² (AWG 24)	0.14mm² (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.

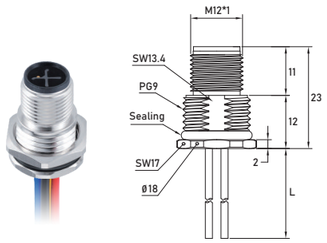
Poles	Wire length	Panel Front Side Fastening				Panel Rear Side Fastening			
		PG9	M16x1.5	M20x1.5	1/2"-14NPT	PG9	M16x1.5	M20x1.5	1/2"-14NPT
3 Pin	0.2 m	EPIC MC03P2LSABP9-22W02 7433505462	EPIC MC03P2LSAB16-22W02 7433505464	EPIC MC03P2LSAB20-22W02 7433505466	EPIC MC03P2LSA814N-22W02 7433505468	EPIC MC03P4LSABP9-22W02 7433505510	EPIC MC03P4LSAB16-22W02 7433505512	EPIC MC03P4LSAB20-22W02 7433505514	EPIC MC03P4LSA814N-22W02 7433505516
	0.5 m	EPIC MC03P2LSABP9-22W05 7433505463	EPIC MC03P2LSAB16-22W05 7433505465	EPIC MC03P2LSAB20-22W05 7433505467	EPIC MC03P2LSA814N-22W05 7433505469	EPIC MC03P4LSABP9-22W05 7433505511	EPIC MC03P4LSAB16-22W05 7433505513	EPIC MC03P4LSAB20-22W05 7433505515	EPIC MC03P4LSA814N-22W05 7433505517
4 Pin	0.2 m	EPIC MC04P2LSABP9-22W02 7433505470	EPIC MC04P2LSAB16-22W02 7433505472	EPIC MC04P2LSAB20-22W02 7433505474	EPIC MC04P2LSA814N-22W02 7433505476	EPIC MC04P4LSABP9-22W02 7433505518	EPIC MC04P4LSAB16-22W02 7433505520	EPIC MC04P4LSAB20-22W02 7433505522	EPIC MC04P4LSA814N-22W02 7433505524
	0.5 m	EPIC MC04P2LSABP9-22W05 7433505471	EPIC MC04P2LSAB16-22W05 7433505473	EPIC MC04P2LSAB20-22W05 7433505475	EPIC MC04P2LSA814N-22W05 7433505477	EPIC MC04P4LSABP9-22W05 7433505519	EPIC MC04P4LSAB16-22W05 7433505521	EPIC MC04P4LSAB20-22W05 7433505523	EPIC MC04P4LSA814N-22W05 7433505525
5 Pin	0.2 m	EPIC MC05P2LSABP9-22W02 7433505478	EPIC MC05P2LSAB16-22W02 7433505480	EPIC MC05P2LSAB20-22W02 7433505482	EPIC MC05P2LSA814N-22W02 7433505484	EPIC MC05P4LSABP9-22W02 7433505526	EPIC MC05P4LSAB16-22W02 7433505528	EPIC MC05P4LSAB20-22W02 7433505530	EPIC MC05P4LSA814N-22W02 7433505532
	0.5 m	EPIC MC05P2LSABP9-22W05 7433505479	EPIC MC05P2LSAB16-22W05 7433505481	EPIC MC05P2LSAB20-22W05 7433505483	EPIC MC05P2LSA814N-22W05 7433505485	EPIC MC05P4LSABP9-22W05 7433505527	EPIC MC05P4LSAB16-22W05 7433505529	EPIC MC05P4LSAB20-22W05 7433505531	EPIC MC05P4LSA814N-22W05 7433505533
8 Pin	0.2 m	EPIC MC08P2LSABP9-24W02 7433505486	EPIC MC08P2LSAB16-24W02 7433505488	EPIC MC08P2LSAB20-24W02 7433505490	EPIC MC08P2LSA814N-24W02 7433505492	EPIC MC08P4LSABP9-24W02 7433505534	EPIC MC08P4LSAB16-24W02 7433505536	EPIC MC08P4LSAB20-24W02 7433505538	EPIC MC08P4LSA814N-24W02 7433505540
	0.5 m	EPIC MC08P2LSABP9-24W05 7433505487	EPIC MC08P2LSAB16-24W05 7433505489	EPIC MC08P2LSAB20-24W05 7433505491	EPIC MC08P2LSA814N-24W05 7433505493	EPIC MC08P4LSABP9-24W05 7433505535	EPIC MC08P4LSAB16-24W05 7433505537	EPIC MC08P4LSAB20-24W05 7433505539	EPIC MC08P4LSA814N-24W05 7433505541
12 Pin	0.2 m	EPIC MC12P2LSABP9-26W02 7433505494	EPIC MC12P2LSAB16-26W02 7433505496	EPIC MC12P2LSAB20-26W02 7433505498	EPIC MC12P2LSA814N-26W02 7433505500	EPIC MC12P4LSABP9-26W02 7433505542	EPIC MC12P4LSAB16-26W02 7433505544	EPIC MC12P4LSAB20-26W02 7433505546	EPIC MC12P4LSA814N-26W02 7433505548
	0.5 m	EPIC MC12P2LSABP9-26W05 7433505495	EPIC MC12P2LSAB16-26W05 7433505497	EPIC MC12P2LSAB20-26W05 7433505499	EPIC MC12P2LSA814N-26W05 7433505501	EPIC MC12P4LSABP9-26W05 7433505543	EPIC MC12P4LSAB16-26W05 7433505545	EPIC MC12P4LSAB20-26W05 7433505547	EPIC MC12P4LSA814N-26W05 7433505549
17 Pin	0.2 m	EPIC MC17P2LSABP9-26W02 7433505502	EPIC MC17P2LSAB16-26W02 7433505504	EPIC MC17P2LSAB20-26W02 7433505506	EPIC MC17P2LSA814N-26W02 7433505508	EPIC MC17P4LSABP9-26W02 7433505550	EPIC MC17P4LSAB16-26W02 7433505552	EPIC MC17P4LSAB20-26W02 7433505554	EPIC MC17P4LSA814N-26W02 7433505556
	0.5 m	EPIC MC17P2LSABP9-26W05 7433505503	EPIC MC17P2LSAB16-26W05 7433505505	EPIC MC17P2LSAB20-26W05 7433505507	EPIC MC17P2LSA814N-26W05 7433505509	EPIC MC17P4LSABP9-26W05 7433505551	EPIC MC17P4LSAB16-26W05 7433505553	EPIC MC17P4LSAB20-26W05 7433505555	EPIC MC17P4LSA814N-26W05 7433505557

Wires' Color Coding

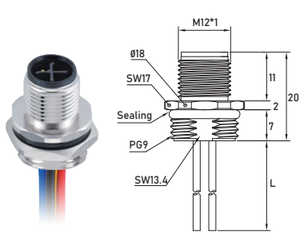
Poles & Wire Color / Pin						 (17Pin)	
Pin 1	BN	BN	BN	WH	WH	BN	13. WH/GN
Pin 2		WH	WH	BN	BN	BU.	14. BN/GN
Pin 3	BU	BU	BU	GN	GN	WH	15. WH/YE
Pin 4	BK	BK	BK	YE	YE	GN .	16. YE/BN
Pin 5			GY	GY	GY	PK	17. WH/GY
Pin 6				PK	PK	YE	
Pin 7				BU	BU	BK	
Pin 8				RD	RD	GY	
Pin 9					OR	RD	
Pin 10					VT	VT	
Pin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

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

Front Fastened

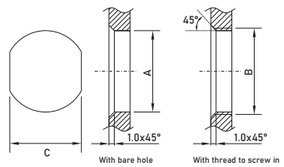


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{+1.0}_{-0}$	$16.1^{+1.0}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+1.0}_{-0}$	$13.6^{+1.0}_{-0}$



With bare hole　　With thread to screw in

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	Crimping	
Wire gauge	1.5mm² (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 MC03P1LCSBP9-16W05	EPIC MC03P1LCSB16-16W05	EPIC MC03P1LCSPP9-16W05	EPIC MC03P3LCSBP9-16W05	EPIC MC03P3LCSB16-16W05	EPIC MC03P3LCSPP9-16W05
		7433505970	7433505974	7433505978	7433505994	7433505998	7433506002
	1.0 m	EPIC MC03P1LCSBP9-16W10	EPIC MC03P1LCSB16-16W10	EPIC MC03P1LCSPP9-16W10	EPIC MC03P3LCSBP9-16W10	EPIC MC03P3LCSB16-16W10	EPIC MC03P3LCSPP9-16W10
		7433505971	7433505975	7433505979	7433505995	7433505999	7433506003
	1.5 m	EPIC MC03P1LCSBP9-16W15	EPIC MC03P1LCSB16-16W15	EPIC MC03P1LCSPP9-16W15	EPIC MC03P3LCSBP9-16W15	EPIC MC03P3LCSB16-16W15	EPIC MC03P3LCSPP9-16W15
		7433505972	7433505976	7433505980	7433505996	7433506000	7433506004
	2.0 m	EPIC MC03P1LCSBP9-16W20	EPIC MC03P1LCSB16-16W20	EPIC MC03P1LCSPP9-16W20	EPIC MC03P3LCSBP9-16W20	EPIC MC03P3LCSB16-16W20	EPIC MC03P3LCSPP9-16W20
		7433505973	7433505977	7433505981	7433505997	7433506001	7433506005
3+PE (4 Pin)	0.5 m	EPIC MC04P1LCSBP9-16W05	EPIC MC04P1LCSB16-16W05	EPIC MC04P1LCSPP9-16W05	EPIC MC04P3LCSBP9-16W05	EPIC MC04P3LCSB16-16W05	EPIC MC04P3LCSPP9-16W05
		7433505982	7433505986	7433505990	7433506006	7433506010	7433506014
	1.0 m	EPIC MC04P1LCSBP9-16W10	EPIC MC04P1LCSB16-16W10	EPIC MC04P1LCSPP9-16W10	EPIC MC04P3LCSBP9-16W10	EPIC MC04P3LCSB16-16W10	EPIC MC04P3LCSPP9-16W10
		7433505983	7433505987	7433505991	7433506007	7433506011	7433506015
	1.5 m	EPIC MC04P1LCSBP9-16W15	EPIC MC04P1LCSB16-16W15	EPIC MC04P1LCSPP9-16W15	EPIC MC04P3LCSBP9-16W15	EPIC MC04P3LCSB16-16W15	EPIC MC04P3LCSPP9-16W15
		7433505984	7433505988	7433505992	7433506008	7433506012	7433506016
	2.0 m	EPIC MC04P1LCSBP9-16W20	EPIC MC04P1LCSB16-16W20	EPIC MC04P1LCSPP9-16W20	EPIC MC04P3LCSBP9-16W20	EPIC MC04P3LCSB16-16W20	EPIC MC04P3LCSPP9-16W20
		7433505985	7433505989	7433505993	7433506009	7433506013	7433506017

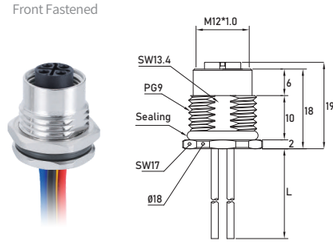
Wires' Color Coding

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

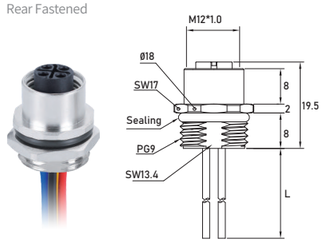
UL Pending

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

Front Fastened

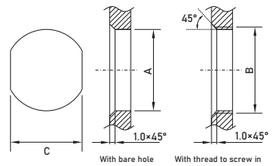


Rear Fastened



Recommended Panel Cut

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



With bare hole　　With thread to screw in

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	Crimping	
Wire gauge	1.5mm² (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 MC03P2LCSBP9-16W05	EPIC MC03P2LCSB16-16W05	EPIC MC03P2LCSPP9-16W05	EPIC MC03P4LCSBP9-16W05	EPIC MC03P4LCSB16-16W05	EPIC MC03P4LCSPP9-16W05
		7433506018	7433506022	7433506026	7433506042	7433506046	7433506050
	1.0 m	EPIC MC03P2LCSBP9-16W10	EPIC MC03P2LCSB16-16W10	EPIC MC03P2LCSPP9-16W10	EPIC MC03P4LCSBP9-16W10	EPIC MC03P4LCSB16-16W10	EPIC MC03P4LCSPP9-16W10
		7433506019	7433506023	7433506027	7433506043	7433506047	7433506051
	1.5 m	EPIC MC03P2LCSBP9-16W15	EPIC MC03P2LCSB16-16W15	EPIC MC03P2LCSPP9-16W15	EPIC MC03P4LCSBP9-16W15	EPIC MC03P4LCSB16-16W15	EPIC MC03P4LCSPP9-16W15
		7433506020	7433506024	7433506028	7433506044	7433506048	7433506052
	2.0 m	EPIC MC03P2LCSBP9-16W20	EPIC MC03P2LCSB16-16W20	EPIC MC03P2LCSPP9-16W20	EPIC MC03P4LCSBP9-16W20	EPIC MC03P4LCSB16-16W20	EPIC MC03P4LCSPP9-16W20
		7433506021	7433506025	7433506029	7433506045	7433506049	7433506053
3+PE (4 Pin)	0.5 m	EPIC MC04P2LCSBP9-16W05	EPIC MC04P2LCSB16-16W05	EPIC MC04P2LCSPP9-16W05	EPIC MC04P4LCSBP9-16W05	EPIC MC04P4LCSB16-16W05	EPIC MC04P4LCSPP9-16W05
		7433506030	7433506034	7433506038	7433506054	7433506058	7433506062
	1.0 m	EPIC MC04P2LCSBP9-16W10	EPIC MC04P2LCSB16-16W10	EPIC MC04P2LCSPP9-16W10	EPIC MC04P4LCSBP9-16W10	EPIC MC04P4LCSB16-16W10	EPIC MC04P4LCSPP9-16W10
		7433506031	7433506035	7433506039	7433506055	7433506059	7433506063
	1.5 m	EPIC MC04P2LCSBP9-16W15	EPIC MC04P2LCSB16-16W15	EPIC MC04P2LCSPP9-16W15	EPIC MC04P4LCSBP9-16W15	EPIC MC04P4LCSB16-16W15	EPIC MC04P4LCSPP9-16W15
		7433506032	7433506036	7433506040	7433506056	7433506060	7433506064
	2.0 m	EPIC MC04P2LCSBP9-16W20	EPIC MC04P2LCSB16-16W20	EPIC MC04P2LCSPP9-16W20	EPIC MC04P4LCSBP9-16W20	EPIC MC04P4LCSB16-16W20	EPIC MC04P4LCSPP9-16W20
		7433506033	7433506037	7433506041	7433506057	7433506061	7433506065

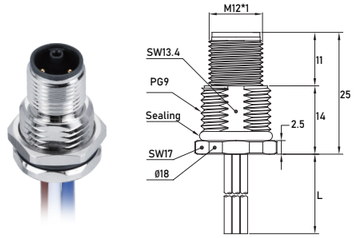
Wires' Color Coding

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

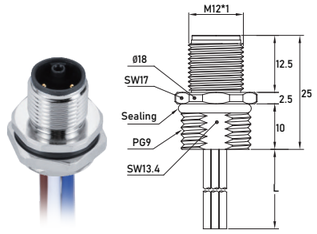
UL Pending

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

Front Fastened

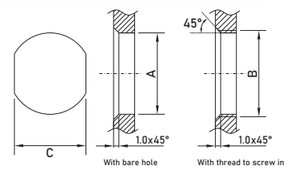


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



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	1.5mm² (16AWG)		
Rated termperature	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	EPIC MC03P1LCKB16-16W02	EPIC MC03P3LCKBP9-16W02	EPIC MC03P3LCKB16-16W02
		7433506106	7433506108	7433506118	7433506120
	0.5 m	EPIC MC03P1LCKBP9-16W05	EPIC MC03P1LCKB16-16W05	EPIC MC03P3LCKBP9-16W05	EPIC MC03P3LCKB16-16W05
		7433506107	7433506109	7433506119	7433506121
3+PE (4Pin)	0.2 m	EPIC MC04P1LCKBP9-16W02	EPIC MC04P1LCKB16-16W02	EPIC MC04P3LCKBP9-16W02	EPIC MC04P3LCKB16-16W02
		7433506110	7433506112	7433506122	7433506124
	0.5 m	EPIC MC04P1LCKBP9-16W05	EPIC MC04P1LCKB16-16W05	EPIC MC04P3LCKBP9-16W05	EPIC MC04P3LCKB16-16W05
		7433506111	7433506113	7433506123	7433506125
4+PE Pin	0.2 m	EPIC MC05P1LCKBP9-16W02	EPIC MC05P1LCKB16-16W02	EPIC MC05P3LCKBP9-16W02	EPIC MC05P3LCKB16-16W02
		7433506114	7433506116	7433506126	7433506128
	0.5 m	EPIC MC05P1LCKBP9-16W05	EPIC MC05P1LCKB16-16W05	EPIC MC05P3LCKBP9-16W05	EPIC MC05P3LCKB16-16W05
		7433506115	7433506117	7433506127	7433506129

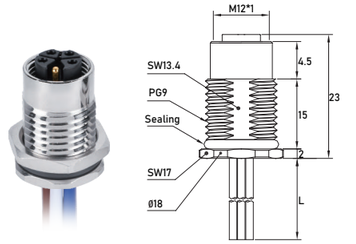
Cable's Color Coding & Wiring

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

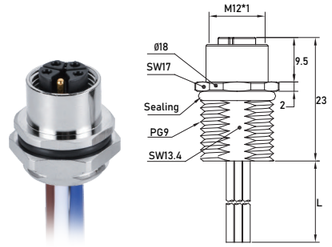
UL Pending

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

Front Fastened

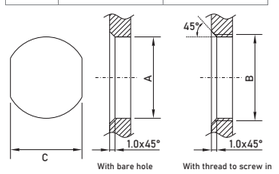


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



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	1.5mm² (16AWG)		
Rated termperature	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	EPIC MC03P2LCKB16-16W02	EPIC MC03P4LCKBP9-16W02	EPIC MC03P4LCKB16-16W02
		7433506130	7433506132	7433506142	7433506144
	0.5 m	EPIC MC03P2LCKBP9-16W05	EPIC MC03P2LCKB16-16W05	EPIC MC03P4LCKBP9-16W05	EPIC MC03P4LCKB16-16W05
		7433506131	7433506133	7433506143	7433506145
3+PE (4Pin)	0.2 m	EPIC MC04P2LCKBP9-16W02	EPIC MC04P2LCKB16-16W02	EPIC MC04P4LCKBP9-16W02	EPIC MC04P4LCKB16-16W02
		7433506134	7433506136	7433506146	7433506148
	0.5 m	EPIC MC04P2LCKBP9-16W05	EPIC MC04P2LCKB16-16W05	EPIC MC04P4LCKBP9-16W05	EPIC MC04P4LCKB16-16W05
		7433506135	7433506137	7433506147	7433506149
4+PE Pin	0.2 m	EPIC MC05P2LCKBP9-16W02	EPIC MC05P2LCKB16-16W02	EPIC MC05P4LCKBP9-16W02	EPIC MC05P4LCKB16-16W02
		7433506138	7433506140	7433506150	7433506152
	0.5 m	EPIC MC05P2LCKBP9-16W05	EPIC MC05P2LCKB16-16W05	EPIC MC05P4LCKBP9-16W05	EPIC MC05P4LCKB16-16W05
		7433506139	7433506141	7433506151	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
PE/ Pin 5	YE/GN	YE/GN	YE/GN

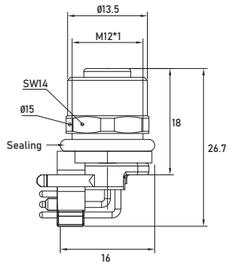
UL Pending

M12 D-Code 90° Panel Connector

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

Female





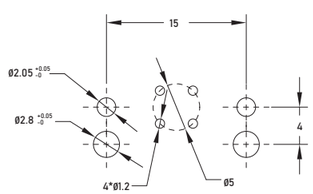
Connector Technical data

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



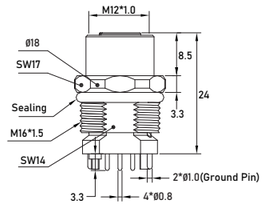
UL Pending

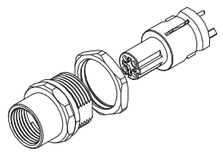
M12 D-Code (Profinet/ Ethernet)

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

Rear Fastened

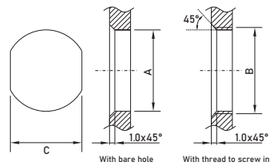






Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 +0.1 -0	16.1 +0.1 -0
B	PG9	M16x1.5
C	13.5 +0.1 -0	13.6 +0.1 -0



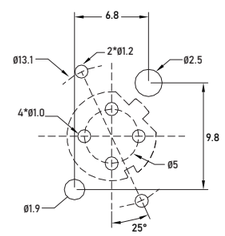
Connector Technical data

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 Solering
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



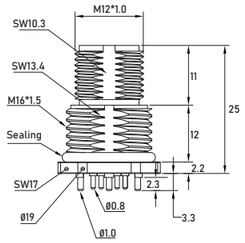
PCB layout
(advice)

UL Pending

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

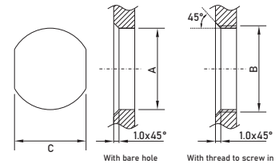
Front Fastened





Recommended Panel Cut-out

Chassis side	M16
A	$16.1^{+0.1}_{-0}$
B	M16x1.5
C	$13.6^{+0.1}_{-0}$



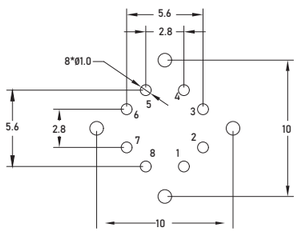
Connector Technical data

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-castwith 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
	7433506645

PCB Layout Reference

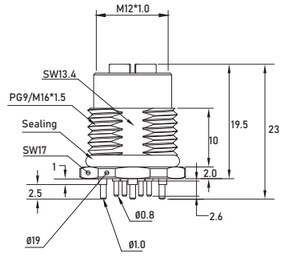


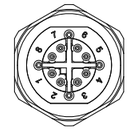
PCB layout (advice)
M12 male 8PIN X-CODE

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

Front Fastened

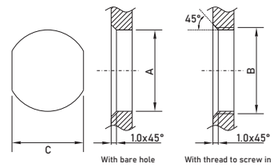






Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



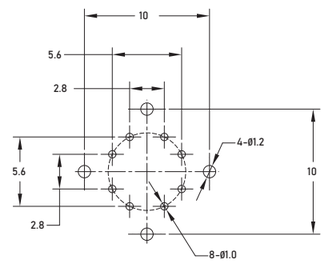
Connector Technical data

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	
	PG9	M16x1.5
8 Pin	EPIC MC08P2LPXSBP9	EPIC MC08P2LPXSB16
	7433506646	7433506647

PCB Layout Reference

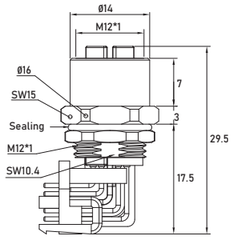


PCB layout
(advice)

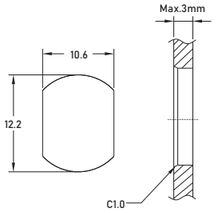
M12 X-Code 90° Panel Connector

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

PCB layout
(advice)

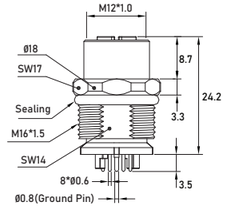
UL Pending

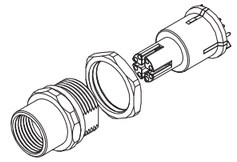
M12 X-Code

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

Rear Fastened

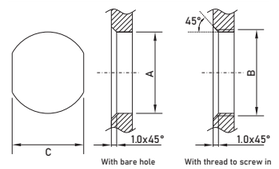






Recommended Panel Cut-out

Chassis side	PG9	M16
A	$15.3^{+0.1}_{-0}$	$16.1^{+0.1}_{-0}$
B	PG9	M16x1.5
C	$13.5^{+0.1}_{-0}$	$13.6^{+0.1}_{-0}$



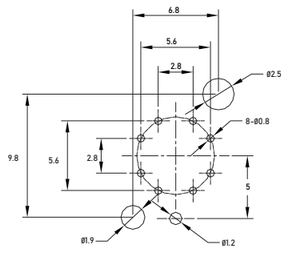
With bare hole

With thread to screw in

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 Solering
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	EPIC MC08P4LPXSB16
	7433506649	7433506650

PCB Layout Reference



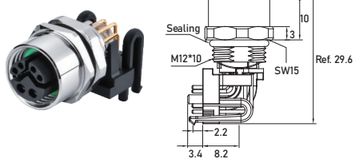
PCB layout
(advice)

UL Pending

M12 Y-Code 90° Panel Connector

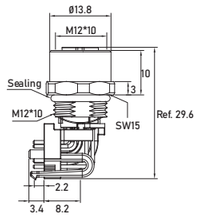
M12 Y-Code female panel connector, rear side fastening, with 90° PCB contacts

Y3 (4+2Pin)

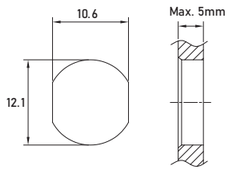


Y4 (4+4Pin)





Recommended Panel Cut-out



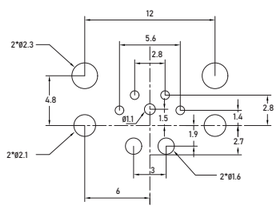
Connector Technical data

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	PCB Dip soldering	
Rated termperature	-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	

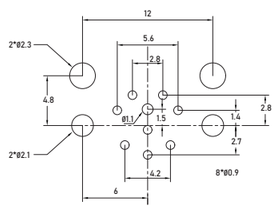
Ordering No.

Poles	M12	
Y3 (4+2Pin)	EPIC MC4.2P4RPY3SB12	7433506671
Y4 (4+4Pin)	EPIC MC4.4P4RPY4SB12	7433506672

PCB Layout Reference



Y3(4+2Pin)



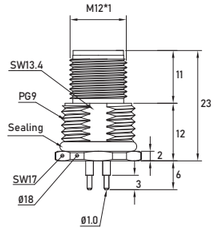
Y4 (4+4 Pin)

M12 S-Code (12A AC Power)

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

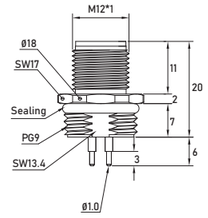
Front Fastened





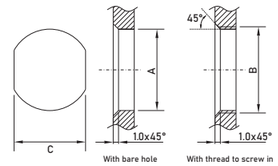
Rear Fastened





Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$
B	PG9	M16x1.5
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$



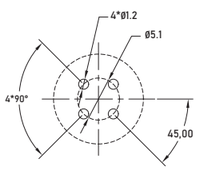
Connector Technical data

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	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
2+PE (3 Pin)	EPIC MC03P1LPSBP9	EPIC MC03P1LPSB16	EPIC MC03P1LPSPP9	EPIC MC03P3LPSBP9	EPIC MC03P3LPSB16	EPIC MC03P3LPSPP9
	7433506673	7433506674	7433506675	7433506679	7433506680	7433506681
3+PE (4 Pin)	EPIC MC04P1LPSBP9	EPIC MC04P1LPSB16	EPIC MC04P1LPSPP9	EPIC MC04P3LPSBP9	EPIC MC04P3LPSB16	EPIC MC04P3LPSPP9
	7433506676	7433506677	7433506678	7433506682	7433506683	7433506684

PCB Layout Reference

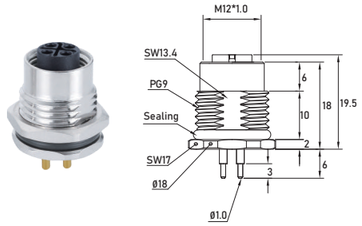


PCB layout
(advice)

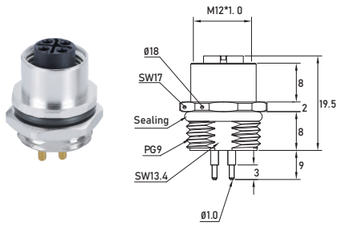
M12 S-Code (12A AC Power)

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

Front Fastened

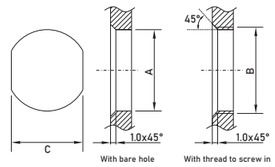


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$
B	PG9	M16x1.5
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$



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 MC04P2LPSBP9	EPIC MC04P2LPSB16	EPIC MC04P2LPSPP9	EPIC MC04P4LPSBP9	EPIC MC04P4LPSB16	EPIC MC04P4LPSPP9
	7433506685	7433506686	7433506687	7433506688	7433506689	7433506690

PCB Layout Reference

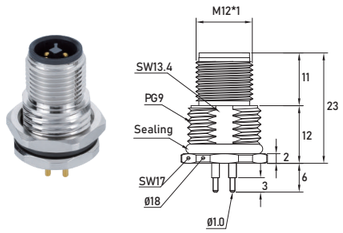
PCB layout
(advice)

UL Pending

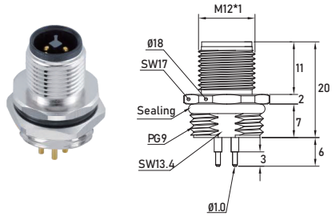
M12 T-Code (12A DC Power)

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

Front Fastened

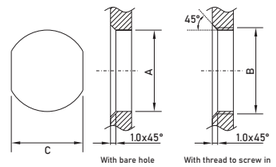


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$	20.1 $^{+0.1}_{-0}$	21.4 $^{+0.1}_{-0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$	N/ A	N/ A



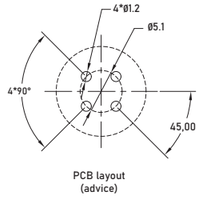
Connector Technical data

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 MC04P1LPTBP9	EPIC MC04P1LPTB16	EPIC MC04P1LPTPP9	EPIC MC04P3LPTBP9	EPIC MC04P3LPTB16	EPIC MC04P3LPTPP9
	7433506691	7433506692	7433506693	7433506694	7433506695	7433506696

PCB Layout Reference



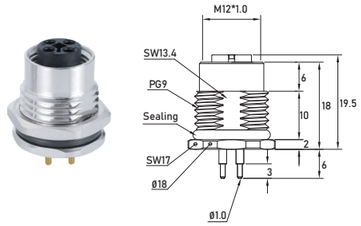
PCB layout
(advice)

UL Pending

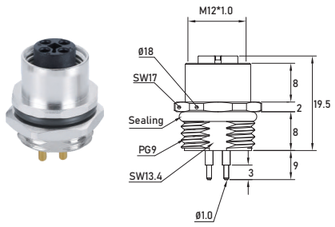
M12 T-Code (12A DC Power)

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

Front Fastened

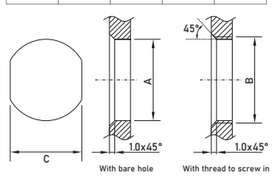


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16	M20	1/2"-14NPT
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$	20.1 $^{+0.1}_{-0}$	21.4 $^{+0.1}_{-0}$
B	PG9	M16x1.5	M20x1.5	1/2"-14NPT
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$	N/ A	N/ A



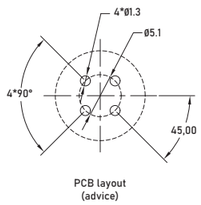
Connector Technical data

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	EPIC MC04P2LPTB16	EPIC MC04P2LPTPP9	EPIC MC04P4LPTBP9	EPIC MC04P4LPTB16
	7433506697	7433506698	7433506699	7433506700	7433506701

PCB Layout Reference



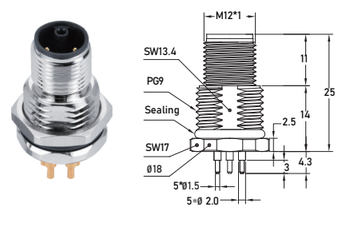
PCB layout
(advice)

UL Pending

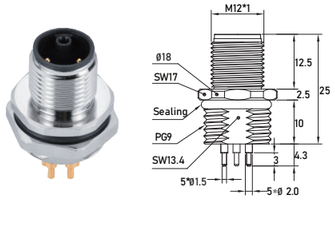
M12 K-Code (16A AC Power)

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

Front Fastened

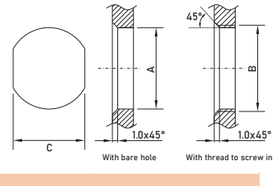


Rear Fastened

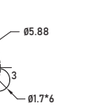
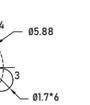


Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$
B	PG9	M16x1.5
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$



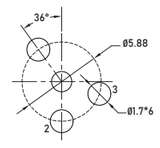
Connector Technical data

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 Solering		
Rated termperature	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	EPIC MC03P1LPKB16	EPIC MC03P3LPKBP9	EPIC MC03P3LPKB16
	7433506702	7433506703	7433506708	7433506709
3+PE (4Pin)	EPIC MC04P1LPKBP9	EPIC MC04P1LPKB16	EPIC MC04P3LPKBP9	EPIC MC04P3LPKB16
	7433506704	7433506705	7433506710	7433506711
4+PE (5Pin)	EPIC MC05P1LPKBP9	EPIC MC05P1LPKB16	EPIC MC05P3LPKBP9	EPIC MC05P3LPKB16
	7433506706	7433506707	7433506712	7433506713

PCB Layout Reference



2+PE (3Pin)

3+PE (4Pin)

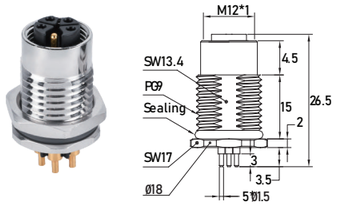
4+PE (5Pin)

UL Pending

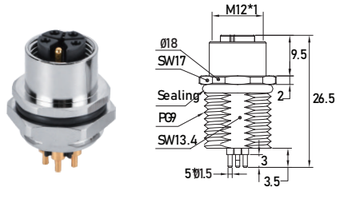
M12 K-Code (16A AC Power)

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

Front Fastened

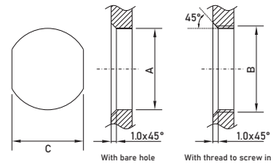


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$
B	PG9	M16x1.5
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$



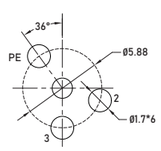
Connector Technical data

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 Solering		
Rated termperature	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		

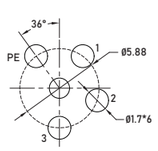
Ordering No.

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

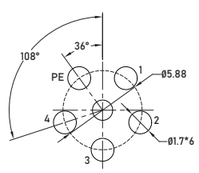
PCB Layout Reference



2+PE (3Pin)



3+PE (4Pin)



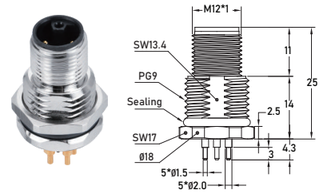
4+PE (5Pin)

UL Pending

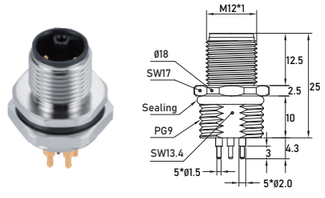
M12 L-Code (16A DC Power)

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

Front Fastened

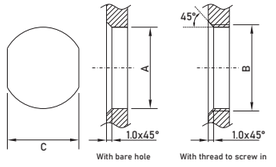


Rear Fastened



Recommended Panel Cut-out

Chassis side	PG9	M16
A	15.3 $^{+0.1}_{-0}$	16.1 $^{+0.1}_{-0}$
B	PG9	M16x1.5
C	13.5 $^{+0.1}_{-0}$	13.6 $^{+0.1}_{-0}$



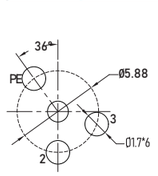
Connector Technical data

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 x1.0mm screw				
Tightening torque	Recommended：0.6 Nm，Max ： 1.0 Nm				
Termination	PCB Dip Solering				
Rated termperature	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				

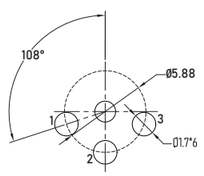
Ordering No.

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

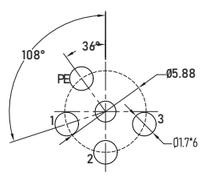
PCB Layout Reference



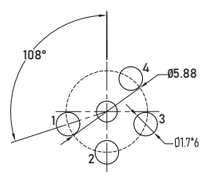
2+PE (3Pin)



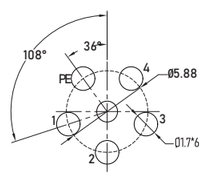
3Pin



3+PE (4Pin)



4Pin



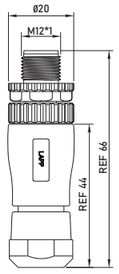
4+PE (5Pin)

UL Pending

M12 Male/ Female, Field Wireable Connector, Brass Screw

Male

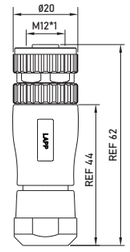




Cable OD：4~6mm,OD: 6~8mm

Female





Cable OD：4~6mm,OD: 6~8mm

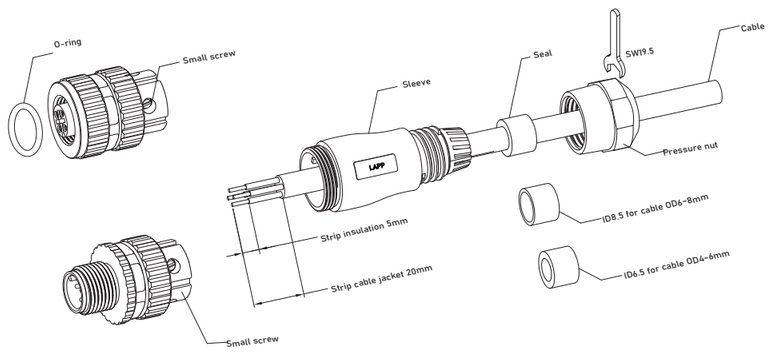
Connector Technical data

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	0.34mm² (AWG 22)			0.25mm² (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			

Ordering No.

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

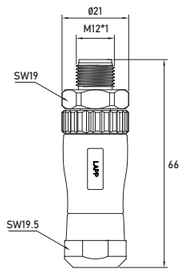
Assembly Instruction



M12 Field Wireable Connector, SUS 316# Stainless Steel Screw

Male

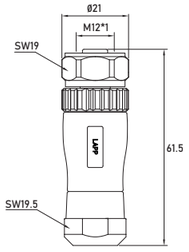




Cable OD：4~6mm,OD: 6~8mm

Female





Cable OD：4~6mm,OD: 6~8mm

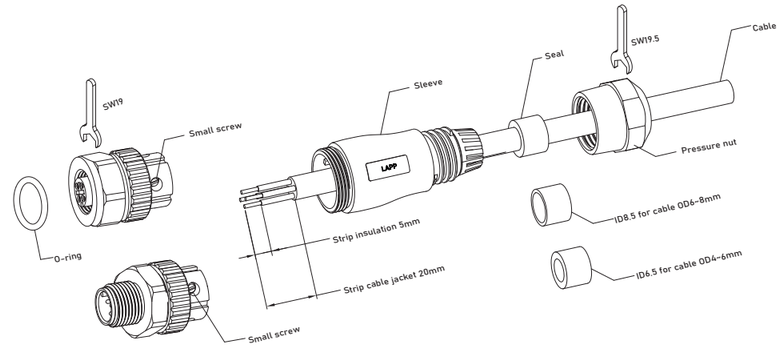
Connector Technical data

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	0.34mm² (AWG 22)			0.25mm² (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			

Ordering No.

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

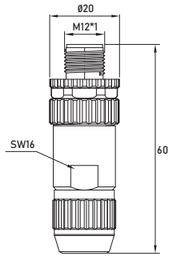
Assembly Instruction



M12 Male/ Female, Field Wire-able, EMI-Shielded, Screw Termination

Male

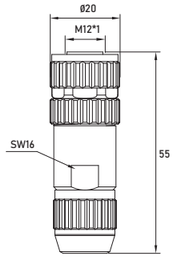




Cable OD: 4~6mm,OD: 6~8mm

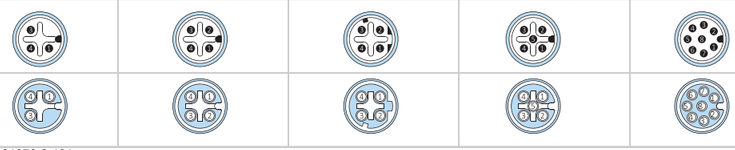
Female





Cable OD: 4~6mm,OD: 6~8mm

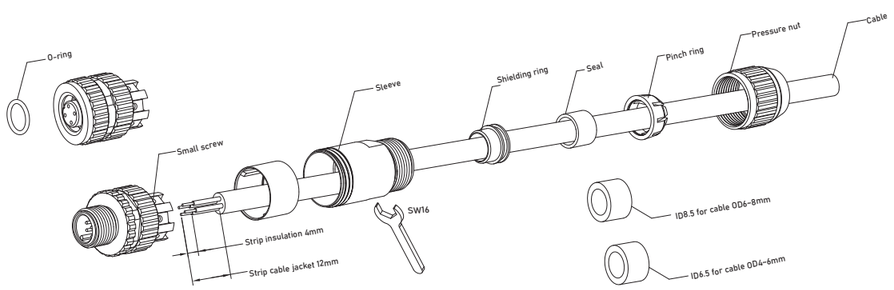
Connector Technical data

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 1.0 screw				
Tightening Torque	Recommend： 0.4Nm, Max： 0.8Nm， Wire screw : 0.2Nm,Cable gland: 0.4~1.0Nm				
Termination	Screw fixing				
Wire gauge	0.34~0.14mm² (AWG 22-26)				
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	Brass, CNC, nickel-plated				
Contact carrier	PA66 + GF				
Screw nut	Brass, CNC, nickel-plated				
Contact	Male: Brass ; Female: Phosphor bronze				
Contacts plating	Au (Gold)				
O-ring	FKM / Silicon O-Ring				
Protection degree	IP67				
Pollution degree	3				

Ordering No.

Poles	Male		Female	
	PG7 (4~6mm)	PG9 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3 Pin A-Coding	EPIC MC03A1LWASB-P7 7433506995	EPIC MC03A1LWASB-P9 7433506996	EPIC MC03A2LWASB-P7 7433507005	EPIC MC03A2LWASB-P9 7433507006
4 Pin A-Coding	EPIC MC04A1LWASB-P7 7433506997	EPIC MC04A1LWASB-P9 7433506998	EPIC MC04A2LWASB-P7 7433507007	EPIC MC04A2LWASB-P9 7433507008
4Pin D-Coding	EPIC MC04A1LWDSB-P7 7433509037	EPIC MC04A1LWDSB-P9 7433509038	EPIC MC04A2LWDSB-P7 7433509039	EPIC MC04A2LWDSB-P9 7433509040
5 Pin A-Coding	EPIC MC05A1LWASB-P7 7433506999	EPIC MC05A1LWASB-P9 7433507000	EPIC MC05A2LWASB-P7 7433507009	EPIC MC05A2LWASB-P9 7433507010
8 Pin A-Coding	EPIC MC08A1LWASB-P7 7433507001	EPIC MC08A1LWASB-P9 7433507002	EPIC MC08A2LWASB-P7 7433507011	EPIC MC08A2LWASB-P9 7433507012

Assembly Instruction

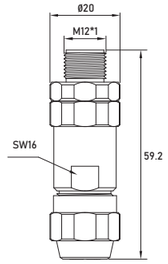


UL Pending

M12 Male/ Female, Field Wireable, EMI-Shielded, Screw Termination, SUS 316# Stainless Steel Screw

Male

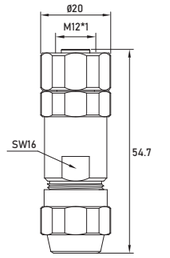




Cable OD: Ø4~6mm,OD: Ø6~8mm

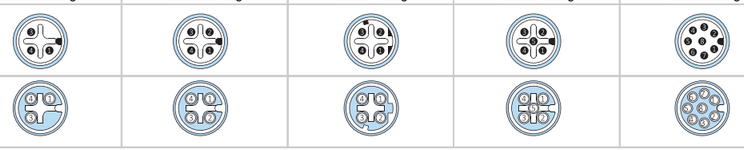
Female





Cable OD: Ø4~6mm,OD: Ø6~8mm

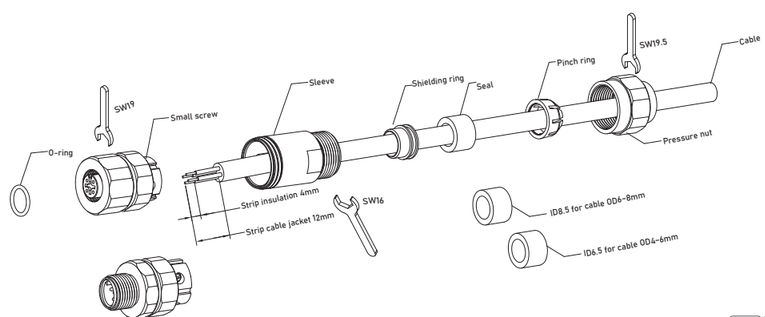
Connector Technical data

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	0.34~0.14mm² (AWG22~26)				
Cable outlet	PG7 (4~6mm), PG9 (6~8mm)				
Rated termperature	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 , CNC				
Contacts	Brass				
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 (6~8mm)	PG7 (4~6mm)	PG9 (6~8mm)
3Pin A-Coding	EPIC MC03A1LWASSH-P7 7433507015	EPIC MC03A1LWASSH-P9 7433507016	EPIC MC03A2LWASSH-P7 7433507025	EPIC MC03A2LWASSH-P9 7433507026
4Pin A-Coding	EPIC MC04A1LWASSH-P7 7433507017	EPIC MC04A1LWASSH-P9 7433507018	EPIC MC04A2LWASSH-P7 7433507027	EPIC MC04A2LWASSH-P9 7433507028
4Pin D-Coding	EPIC MC04A1LWDSSH-P7 7433509041	EPIC MC04A1LWDSSH-P9 7433509042	EPIC MC04A2LWDSSH-P7 7433509043	EPIC MC04A2LWDSSH-P9 7433509044
5Pin A-Coding	EPIC MC05A1LWDSSH-P7 7433507019	EPIC MC05A1LWDSSH-P9 7433507020	EPIC MC05A2LWDSSH-P7 7433507029	EPIC MC05A2LWDSSH-P9 7433507030
8Pin A-Coding	EPIC MC08A1LWASSH-P7 7433507021	EPIC MC08A1LWASSH-P9 7433507022	EPIC MC08A2LWASSH-P7 7433507031	EPIC MC08A2LWASSH-P9 7433507032

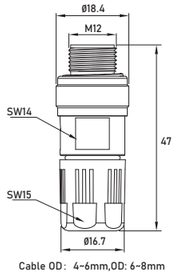
Assembly Instruction



UL Pending

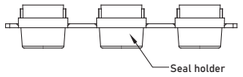
M12 D-Code 4Pin Male, Field wireable connector, Crimping termination





Cable OD: 4~6mm,OD: 6~8mm





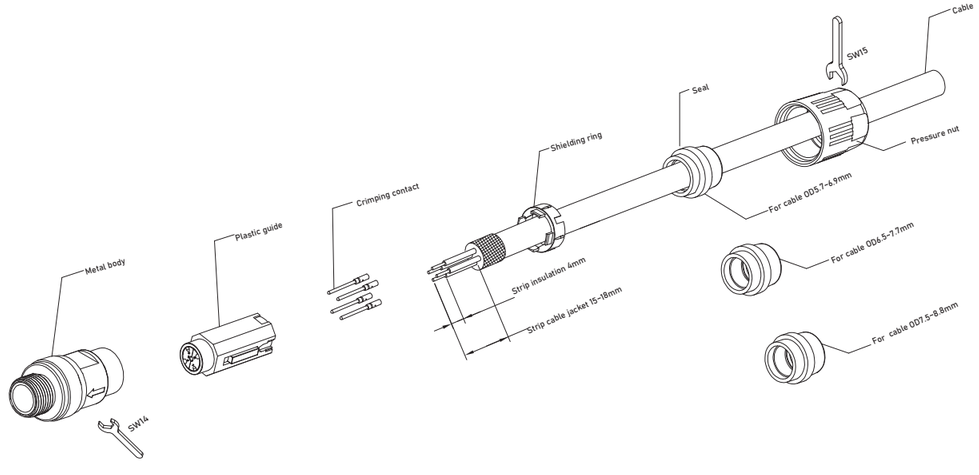
Connector Technical data

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	0.34~0.14mm² (22~26AWG)
Rated termperature	Flexible: -25 ~ 80℃ ; Static: -40 ~ 80℃
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

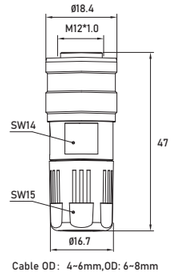
Assembly Instruction



UL Pending

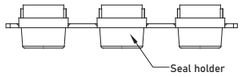
M12 D-Code 4Pin Male, Field wireable connector, Crimping termination, Push-Pull





Cable OD: 4~6mm,OD: 6~8mm





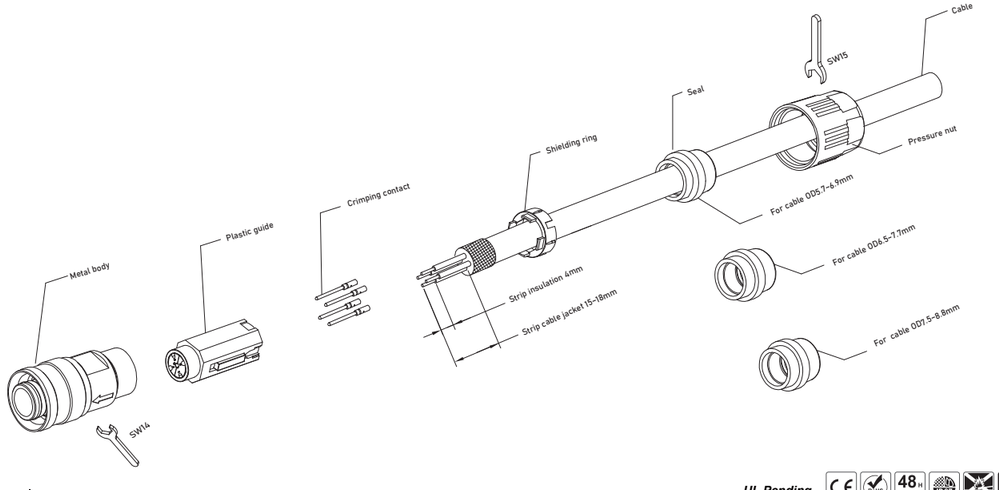
Connector Technical data

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	0.34~0.14mm² (22~26AWG)
Rated termperature	Flexible: -25 ~ 80℃ ; Static: -40 ~ 80℃
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

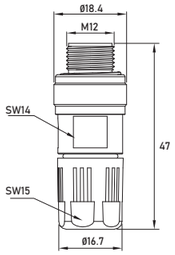
Assembly Instruction



UL Pending

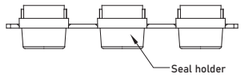
M12 X-Code 8Pin Male, Field wireable connector, Crimping termination





Cable OD：4~6mm,OD: 6~8mm





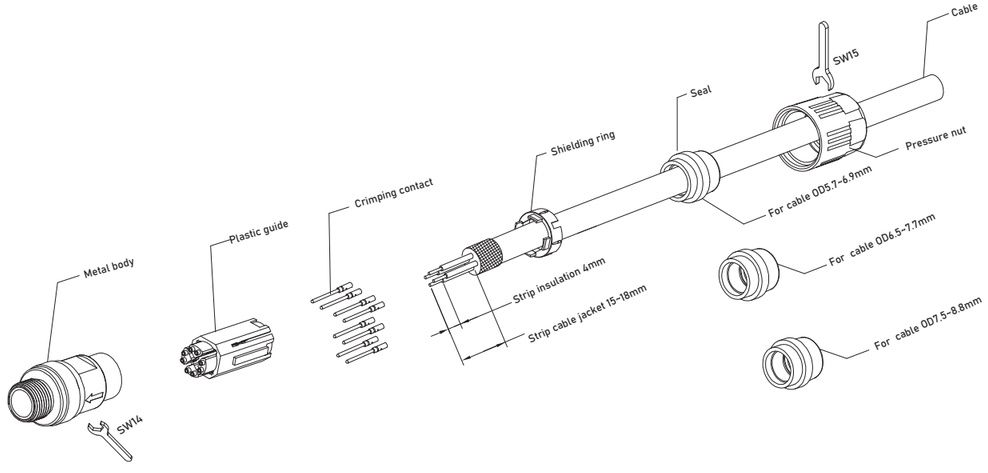
Connector Technical data

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	0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80℃ ; Static: -40 ~ 80℃
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

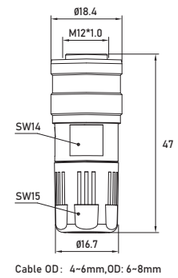
Assembly Instruction



UL Pending

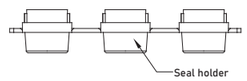
M12 X-Code 8Pin Male, Field wireable connector, Crimping termination, Push-Pull





Cable OD：4~6mm,OD: 6~8mm





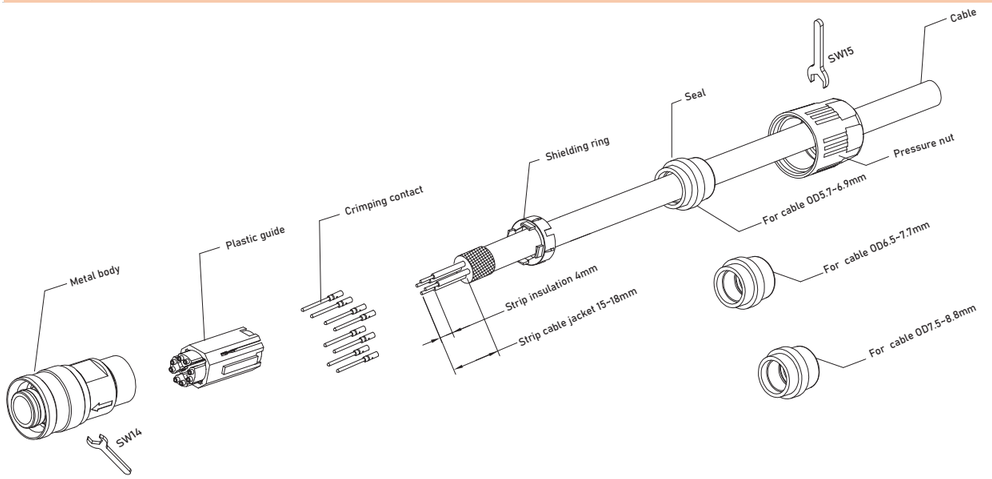
Connector Technical data

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	0.14mm² (26AWG)
Rated termperature	Flexible: -25 ~ 80℃ ; Static: -40 ~ 80℃
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

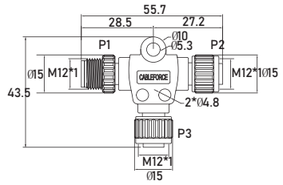
Assembly Instruction



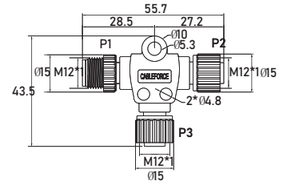
UL Pending

M12 T-Connector, Male to Female x 2





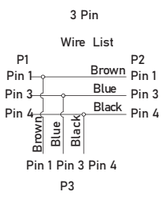


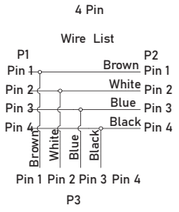


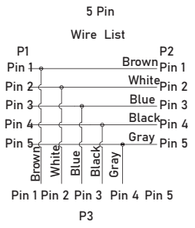
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
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					
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, IP68					
Pollution degree	3					

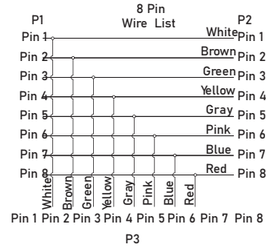
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T-MFFAB	EPIC MC04T-MFFAB	EPIC MC05T-MFFAB	EPIC MC08T-MFFAB	EPIC MC03T-MFFAP	EPIC MC04T-MFFAP	EPIC MC05T-MFFAP	EPIC MC08T-MFFAP
	7433507221	7433507222	7433507223	7433507224	7433507227	7433507228	7433507229	7433507231
B-Code			EPIC MC05T-MFFBB				EPIC MC05T-MFFBP	
			7433507225				7433507230	
D-Code	EPIC MC04T-MFFDSB (Shielded)							
		7433507226						

Wiring Diagram



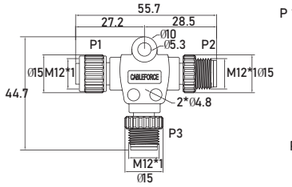




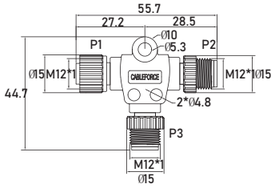


M12 T-Connector, Female to Male x 2









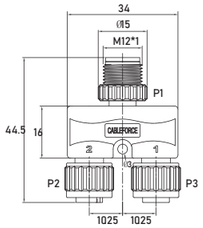
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
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					
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, IP68					
Pollution degree	3					

Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03T-FMMAB	EPIC MC04T-FMMAB	EPIC MC05T-FMMAB	EPIC MC08T-FMMAB	EPIC MC03T-FMMAP	EPIC MC04T-FMMAP	EPIC MC05T-FMMAP	EPIC MC08T-FMMAP
	7433507232	7433507233	7433507234	7433507235	7433507238	7433507239	7433507240	7433507242
B-Code			EPIC MC05T-FMMBB				EPIC MC05T-FMMBP	
			7433507236				7433507241	
D-Code	EPIC MC04T-FMMDSB (Shielded)							
	7433507237							

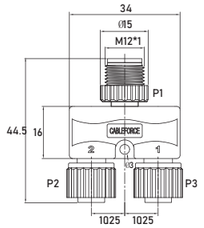
Wiring Diagram

M12 Y-Splitter, Male to Female x 2





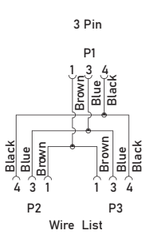


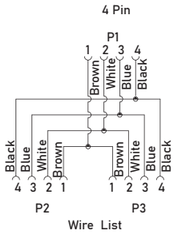


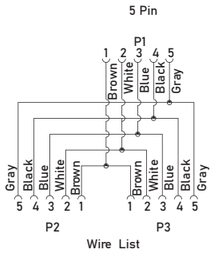
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standa	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
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 resistan	≥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, IP68					
Pollution degree	3					

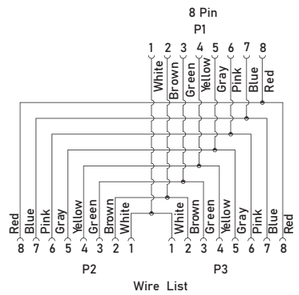
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-MFFAB	EPIC MC04Y-MFFAB	EPIC MC05Y-MFFAB	EPIC MC08Y-MFFAB	EPIC MC03Y-MFFAP	EPIC MC04Y-MFFAP	EPIC MC05Y-MFFAP	EPIC MC08Y-MFFAP
	7433507265	7433507266	7433507267	7433507268	7433507271	7433507272	7433507273	7433507275
B-Code			EPIC MC05Y-MFFBB				EPIC MC05Y-MFFBP	
			7433507269				7433507274	
D-Code	EPIC MC04Y-MFFDSB (Shielded)							
	7433507270							

Wiring Diagram



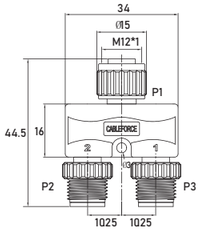




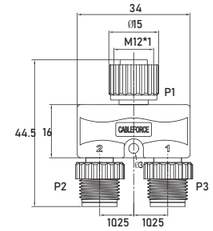


M12 Y-Splitter, Female to Male x 2





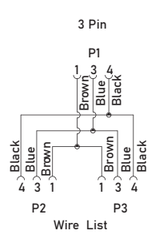


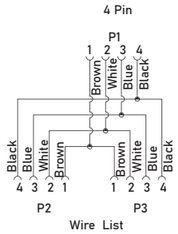


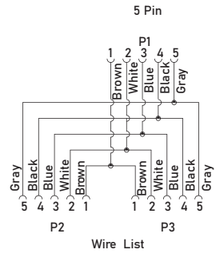
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standa	IEC 61076-2-101					
Rated current	4A					2A
Rated voltage	250V			60V		30V
Impulse voltage	2500V			1500V		800V
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 resistan	≥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, IP68					
Pollution degree	3					

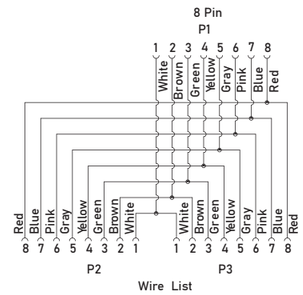
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-FMMAB	EPIC MC04Y-FMMAB	EPIC MC05Y-FMMAB	EPIC MC08Y-FMMAB	EPIC MC03Y-FMMAP	EPIC MC04Y-FMMAP	EPIC MC05Y-FMMAP	EPIC MC08Y-FMMAP
	7433507276	7433507277	7433507278	7433507279	7433507282	7433507283	7433507284	7433507286
B-Code			EPIC MC05Y-FMMBB				EPIC MC05Y-FMMBP	
			7433507280				7433507285	
D-Code	EPIC MC04Y-FMMDSB (Shielded)							
	7433507281							

Wiring Diagram



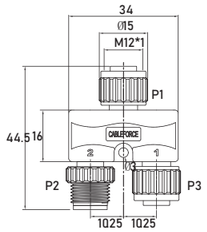




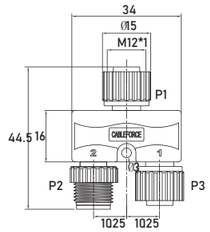


M12 Y-Splitter, Female to Male/ Female





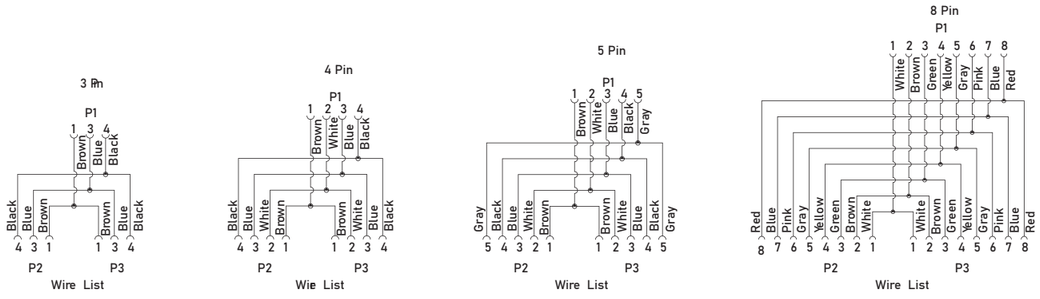




Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
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					
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, IP68					
Pollution degree	3					

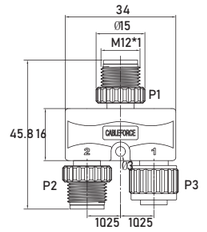
Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-FMFAB	EPIC MC04Y-FMFAB	EPIC MC05Y-FMFAB	EPIC MC08Y-FMFAB	EPIC MC03Y-FMFAP	EPIC MC04Y-FMFAP	EPIC MC05Y-FMFAP	EPIC MC08Y-FMFAP
	7433507287	7433507288	7433507289	7433507290	7433507293	7433507294	7433507295	7433507297
B-Code			EPIC MC05Y-FMFBB				EPIC MC05Y-FMFBP	
			7433507291				7433507296	
D-Code	EPIC MC04Y-FMFDSB (Shielded)							
	7433507292							

Wiring Diagram

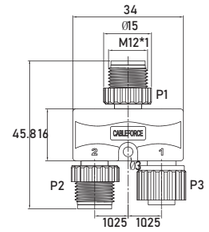


M12 Y-Splitter, Male to Male/ Female









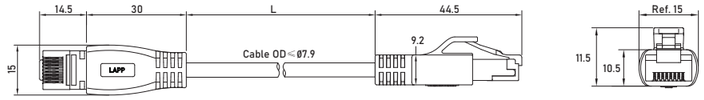
Connector Technical data						
Contacts No.	3Pin A-Code	4Pin A-Code	4Pin D-Code	5Pin A-Code	5Pin B-Code	8Pin A-Code
P1 Front View						
P2 Front View						
P3 Front View						
Reference Standard	IEC 61076-2-101					
Rated current	4A				2A	
Rated voltage	250V		60V		30V	
Impulse voltage	2500V		1500V		800V	
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					
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, IP68					
Pollution degree	3					

Ordering No.								
Coding	Metal Screw				Plastic Screw			
	3 Pin	4 Pin	5 Pin	8 Pin	3 Pin	4 Pin	5 Pin	8 Pin
A-Code	EPIC MC03Y-MMFAB	EPIC MC04Y-MMFAB	EPIC MC05Y-MMFAB	EPIC MC08Y-MMFAB	EPIC MC03Y-MMFAP	EPIC MC04Y-MMFAP	EPIC MC05Y-MMFAP	EPIC MC08Y-MMFAP
	7433507298	7433507299	7433507300	7433507301	7433507304	7433507305	7433507306	7433507308
B-Code			EPIC MC05Y-MMFBB				EPIC MC05Y-MMFBP	
			7433507302				7433507307	
D-Code	EPIC MC04Y-MMFDSB (Shielded)							
	7433507303							

Wiring Diagram

Ethernet patch cables, double ended RJ45 8P8C male plug





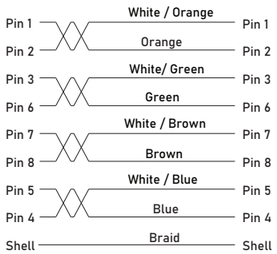
Connector Technical data				
Contacts No.	RJ45 8P8C	Cat 5E	Cat 6A	Cat 7
Front View				
Reference Standard	IEC 60603-7-7			
Rated current	1.5A			
Rated voltage	30V			
Impulse voltage	1000V Contact-to-Contact, 1500V Contact-to-Screen			
Termination	Insulation Percing Contact			
Cable specification	0.14~0.25mm² (AWG 26~24)			
Rated temperature	–40 °C ... +70 °C			
Insulation resistance	≥100MΩ			
Contact resistance	≤20mΩ			
Connector overmolding	PVC/ TPU			
Contact carrier	PC			
Contact	Brass 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			

Ordering No.

Cable length	PVC Cable (Blue)				PUR Halogen Free Cable (Blue)			
	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24	Cat 5E AWG 26	Cat 5E AWG 24	Cat 6A AWG 26	Cat 7 AWG 24
0.3 m	EPIC RJ5EC5LI26CLB03	EPIC RJ5EC5LI24CLB03	EPIC RJ6AC5LI26CLB03	EPIC RJ7AC5LI24CLB03	EPIC RJ5EC5LI26RLB03	EPIC RJ5EC5LI24RLB03	EPIC RJ6AC5LI26RLB03	EPIC RJ7AC5LI24RLB03
	7433504604	7433504615	7433504626	7433504637	7433504648	7433504659	7433504670	7433504681
0.5 m	EPIC RJ5EC5LI26CLB05	EPIC RJ5EC5LI24CLB05	EPIC RJ6AC5LI26CLB05	EPIC RJ7AC5LI24CLB05	EPIC RJ5EC5LI26RLB05	EPIC RJ5EC5LI24RLB05	EPIC RJ6AC5LI26RLB05	EPIC RJ7AC5LI24RLB05
	7433504605	7433504616	7433504627	7433504638	7433504649	7433504660	7433504671	7433504682
1.0 m	EPIC RJ5EC5LI26CLB10	EPIC RJ5EC5LI24CLB10	EPIC R6AC5LI26CLB10	EPIC RJ7AC5LI24CLB10	EPIC RJ5EC5LI26RLB10	EPIC RJ5EC5LI24RLB10	EPIC R6AC5LI26RLB10	EPIC RJ7AC5LI24RLB10
	7433504606	7433504617	7433504628	7433504639	7433504650	7433504661	7433504672	7433504683
1.5 m	EPIC RJ5EC5LI26CLB15	EPIC RJ5EC5LI24CLB15	EPIC RJ6AC5LI26CLB15	EPIC RJ7AC5LI24CLB15	EPIC RJ5EC5LI26RLB15	EPIC RJ5EC5LI24RLB15	EPIC RJ6AC5LI26RLB15	EPIC RJ7AC5LI24RLB15
	7433504607	7433504618	7433504629	7433504640	7433504651	7433504662	7433504673	7433504684
2.0 m	EPIC RJ5EC5LI26CLB20	EPIC RJ5EC5LI24CLB20	EPIC RJ6AC5LI26CLB20	EPIC RJ7AC5LI24CLB20	EPIC RJ5EC5LI26RLB20	EPIC RJ5EC5LI24RLB20	EPIC RJ6AC5LI26RLB20	EPIC RJ7AC5LI24RLB20
	7433504608	7433504619	7433504630	7433504641	7433504652	7433504663	7433504674	7433504685
2.5 m	EPIC RJ5EC5LI26CLB25	EPIC RJ5EC5LI24CLB25	EPIC RJ6AC5LI26CLB25	EPIC RJ7AC5LI24CLB25	EPIC RJ5EC5LI26RLB25	EPIC RJ5EC5LI24RLB25	EPIC RJ6AC5LI26RLB25	EPIC RJ7AC5LI24RLB25
	7433504609	7433504620	7433504631	7433504642	7433504653	7433504664	7433504675	7433504686
3.0 m	EPIC RJ5EC5LI26CLB30	EPIC RJ5EC5LI24CLB30	EPIC RJ6AC5LI26CLB30	EPIC RJ7AC5LI24CLB30	EPIC RJ5EC5LI26RLB30	EPIC RJ5EC5LI24RLB30	EPIC RJ6AC5LI26RLB30	EPIC RJ7AC5LI24RLB30
	7433504610	7433504621	7433504632	7433504643	7433504654	7433504665	7433504676	7433504687
3.5 m	EPIC RJ5EC5LI26CLB35	EPIC RJ5EC5LI24CLB35	EPIC RJ6AC5LI26CLB35	EPIC RJ7AC5LI24CLB35	EPIC RJ5EC5LI26RLB35	EPIC RJ5EC5LI24RLB35	EPIC RJ6AC5LI26RLB35	EPIC RJ7AC5LI24RLB35
	7433504611	7433504622	7433504633	7433504644	7433504655	7433504666	7433504677	7433504688
4.0 m	EPIC RJ5EC5LI26CLB40	EPIC RJ5EC5LI24CLB40	EPIC RJ6AC5LI26CLB40	EPIC RJ7AC5LI24CLB40	EPIC RJ5EC5LI26RLB40	EPIC RJ5EC5LI24RLB40	EPIC RJ6AC5LI26RLB40	EPIC RJ7AC5LI24RLB40
	7433504612	7433504623	7433504634	7433504645	7433504656	7433504667	7433504678	7433504689
4.5 m	EPIC RJ5EC5LI26CLB45	EPIC RJ5EC5LI24CLB45	EPIC RJ6AC5LI26CLB45	EPIC RJ7AC5LI24CLB45	EPIC RJ5EC5LI26RLB45	EPIC RJ5EC5LI24RLB45	EPIC RJ6AC5LI26RLB45	EPIC RJ7AC5LI24RLB45
	7433504613	7433504624	7433504635	7433504646	7433504657	7433504668	7433504679	7433504690
5.0 m	EPIC RJ5EC5LI26CLB50	EPIC RJ5EC5LI24CLB50	EPIC RJ6AC5LI26CLB50	EPIC RJ7AC5LI24CLB50	EPIC RJ5EC5LI26RLB50	EPIC RJ5EC5LI24RLB50	EPIC RJ6AC5LI26RLB50	EPIC RJ7AC5LI24RLB50
	7433504614	7433504625	7433504636	7433504647	7433504658	7433504669	7433504680	7433504691

Wiring Diagram

Wire List



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