



## Industrial Communication by LAPP.

The right solution for every application

Digitalisation is already leading to ever increasing data volumes in production halls. As a result, Ethernet, which has already become a standard in office environments, is also becoming increasingly important in industrial environments. The challenge for industrial data cables lies in reliably transferring ever higher data rates in harsh industrial environments. The cables are often bent millions of times in cable chains or are exposed to corrosive substances and high temperatures.

As we incorporate products into our customers' automation processes, we are constantly asked to supply innovative ideas to solve important future-oriented challenges. Therefore we offer our customers a wide array of components and system solutions for factory, building and process automation. Our data communication solutions include complete cabling and connectivity systems for integrated

networking at the sensor/actuator and control level right through to the inventory management system.

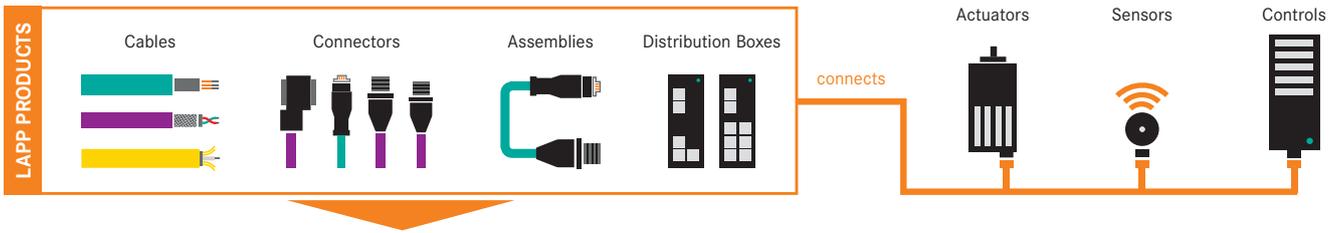
### Your benefits

- Extremely high availability of materials
- Approx. 800 cable types for Ethernet and Fieldbus
- Approx. 150 different data connectors
- Switches and distribution boxes available in various designs
- Products for all protocol standards
- Protocol-independent expert know-how
- No MOQ on stocked articles
- Cables, patchcords or customer-specific assemblies
- Global availability at 40+ sites



Find out more:  
[www.lappkabel.com/networks](http://www.lappkabel.com/networks)





## Our products at a glance

	Standard	Conductor	Cables	Connectors	Assemblies	Distribution Boxes		
Ethernet	CC-Link IE EtherCAT® EtherNet/IP® Modbus TCP Powerlink® PROFINET®	Copper	<p>LAPP KABEL STUFGART ETHERLINE® Cat.7 FLEX 4x24AWG20U7</p> <p>ETHERLINE® Cat.7 FLEX</p> <p>LAPP KABEL STUFGART ETHERLINE® TORSION Cat.7 4x24x247AWG</p> <p>ETHERLINE® TORSION Cat.7</p> <p>LAPP KABEL STUFGART ETHERLINE® PN Cat.7 4x24AWG23T1</p> <p>ETHERLINE® PN Cat.7 Y</p> <p>LAPP KABEL STUFGART ETHERLINE® FD P FC Cat.5 2x22x24WG</p> <p>ETHERLINE® FD P FC Cat.5</p> <p>LAPP KABEL STUFGART ETHERLINE® TRAY ER PN Y FC</p> <p>ETHERLINE® TRAY ER PN Y FC</p>	<p>EPIC® DATA RJ45</p> <p>EPIC® DATA M12D</p> <p>EPIC® DATA M12X</p>	<p>ETHERLINE® cables assembled with:</p> <ul style="list-style-type: none"> <li>- M8 (A-coded)</li> <li>- M12 (D- or X-coded)</li> <li>- RJ45</li> </ul>	<p>Managed and unmanaged switches</p>		
		Fibre-optic	<p>LAPP KABEL STUFGART HITRONIC® HDH 150 2x12x 0M2</p> <p>HITRONIC® HDH mini-breakout cable</p> <p>HITRONIC® HQW-Plus armoured outdoor cable</p>	<p>SC and LC connector</p>	<p>Fibre-optic trunk cables made to customer specifications</p>	<p>Switches with fibre-optic port</p>		
Fieldbus	Sensor/actuator		<p>LAPP KABEL STUFGART UNITRONIC® SENSOR LIF9Y A</p> <p>UNITRONIC® SENSOR LIF9Y A</p> <p>LAPP KABEL STUFGART UNITRONIC® SENSOR FD LIF9Y11Y</p> <p>UNITRONIC® SENSOR FD LIF9Y11Y</p> <p>LAPP KABEL STUFGART UNITRONIC® ROBUST S/A FD</p> <p>UNITRONIC® ROBUST S/A FD</p>	<p>EPIC® SENSOR M8</p> <p>EPIC® SENSOR M12</p>	<p>Assemblies with M12 and M8 connectors</p>	<p>M8 and M12 distribution boxes</p>		
		Profibus DP	<p>LAPP KABEL STUFGART UNITRONIC® BUS PB TRAY</p> <p>UNITRONIC® BUS PB TRAY</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS PB TORSION</p> <p>UNITRONIC® BUS PB TORSION</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS PB HEAT 180</p> <p>UNITRONIC® BUS PB HEAT 180</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS PB ARM</p> <p>UNITRONIC® BUS PB ARM</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS PB BURIAL FC</p> <p>UNITRONIC® BUS PB BURIAL FC</p>	<p>EPIC® DATA PB Sub-D</p> <p>EPIC® DATA PB Sub-D</p> <p>EPIC® DATA PB Sub-D FC</p> <p>EPIC® DATA PB M12</p> <p>EPIC® DATA PB TR M12</p>	<p>M12 plug to M12 socket</p> <p>M12 plug to open end</p> <p>Open end to M12 socket</p>	<p>—*</p>		
			CAN Open	<p>LAPP KABEL STUFGART UNITRONIC® BUS DeviceNet® Thick Cable</p> <p>UNITRONIC® BUS DN THICK FRNC</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS DeviceNet® Thin Cable</p> <p>UNITRONIC® BUS DN THIN FD Y</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS CAN</p> <p>UNITRONIC® BUS CAN</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS CAN TRAY</p> <p>UNITRONIC® BUS CAN TRAY</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS HEAT 6722</p> <p>UNITRONIC® BUS HEAT 6722</p>	<p>EPIC® DATA CAN Sub-D</p> <p>EPIC® DATA CAN Sub-D PRO</p> <p>EPIC® SENSOR M12</p> <p>EPIC® DATA CAN TR M12</p>	<p>M12 plug to M12 socket</p> <p>M12 plug to open end</p> <p>Open end to M12 socket</p>	<p>M12 T-distributor</p>	
				AS-I	<p>LAPP KABEL STUFGART UNITRONIC® BUS ASI FD</p> <p>UNITRONIC® BUS ASI LD FD P Y E</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS ASI FD</p> <p>UNITRONIC® BUS ASI FD (TPE) A</p> <p>LAPP KABEL STUFGART UNITRONIC® BUS ASI</p> <p>UNITRONIC® BUS ASI (PVC) A</p>	<p>—*</p>	<p>—*</p>	<p>—*</p>

Other products available upon request. \*These products are not sold via LAPP.



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