Industrial Ethernet cable Cat.5/ Cat.5e • Industrial Ethernet













ETHERLINE® Cat.5e

Fixed installation

LAPP KABEL STUTIGART ETHERLINE® P Cat.5e 4x2xAWG24/1





Info

- Industrial Ethernet cable
- Cat.5e

LAPP KABEL STUTTGART ETHERLINE H-H CAT.5e

- · Seamless communication from the sensor/actuator level to the Internet
- Screened against interference
- Can be used in dry or damp rooms
- · Can be used for Industrial Ethernet in harsh industrial environments
- · Cables with PUR jacket: 1000 V UL- rating for installation next to power cables

Application range

- · 2pair: 10/100 Mbit/s for Industrial Ethernet
- 4pair: 10/100/1000 Mbit/s for Industrial Ethernet
- · Suitable for EtherCAT and EtherNet/IP applications
- · Industrial use
- · Fixed installation

Product features

- · High-quality, double screening ensures high transmission reliability in areas with electromagnetic interference
- · PUR outer sheath is highly resistant to mineral oils and abrasion
- · Halogen-free outer sheath

Norm references / Approvals

- PUR versions: UL AWM Style 21576
- Flame retardant acc. to IEC 60332-1-2
- Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

Product Make-up

- Solid conductor
- · Core insulation made of foam skin
- 2 or 4-pair version
- SF/UTP: braid of tinned copper wire and plastic laminated aluminum foil as overall
- · Outer sheath as either PUR or LSZH
- · Colour: water blue (RAL 5021)

Technical data



ETIM 5.0 Class-ID: EC000830 ETIM 5.0 Class-Description: Data cable

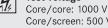


Peak operating voltage (not for power applications) 125 V

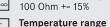


Fixed installation: 7.5 x outer diameter (2 pair cable) Fixed installation: 8 x outer diameter

(4 pair cable) Test voltage



Core/screen: 500 V Characteristic impedance



cable with PUR jacket Fixed installation: VDE -30°C to +80°C; UL/CSA -30°C to +80°C flexing: VDE -5°C to +50°C; UL/CSA -5°C to +80°C cable halogenfree compound fixed installation: -30°C to +80°C moved: -5°C to +60°C

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Article number	Article designation	Number of pairs and AWG per conductor	Max. outer diameter (mm)	Copper index (kg/km)	Weight (kg/km)
2-pair version		<u> </u>	•		
Halogen-free jack	et				
2170280	ETHERLINE® H CAT.5e	2 x 2 x AWG24/1	6.1	22	45
PUR outer sheath.	, halogen-free				
2170281	ETHERLINE® P CAT.5e	2 x 2 x AWG24/1	6.1	22	53
4-pair version					
Halogen-free jack	et				
2170296	ETHERLINE® H CAT.5e	4 x 2 x AWG24/1	6.3	32	54
2170298	ETHERLINE® H-H CAT.5e	4 x 2 x AWG24/1	6.3 / 8.3	32	80
PUR outer sheath.	, halogen-free				
2170297	ETHERLINE® P CAT.5e	4 x 2 x AWG24/1	6.3	32	62

Unless specified otherwise, the shown product values are nominal values. Detailed values (e.g. tolerances) are available upon request. Please find our standard lengths at: www.lappkabel.de/en/cable-standardlengths Packaging size: coil ≤ 30 kg or ≤ 250 m, otherwise drum

Detailed data sheets are available upon request. Please specify the type/dimensions of the required cable.

Photographs are not to scale and do not represent detailed images of the respective products

Accessories

- Field-Terminable Connector RJ45 CAT.5e FM45 refer to page 476
- EPIC® DATA 90 RJ45 Cat.6, refer to page 463
- EPIC® DATA HS RJ45F Cat.6, refer to page 464
- EPIC® DATA M12D refer to page 464
- EPIC® DATA M12X refer to page 465
- EPIC® DATA CCR FA refer to page 466
- SMART STRIP stripping tool
- DATA STRIP stripping tool refer to page 1001