

ETHERLINE® 4 pair: CAT.5e; flexible

Industrial Ethernet cable for flexible applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e



ETHERLINE® 4 pair CAT.5e cables designed for flexible applications come with a foil and braid shield for EMI protection. Jacket options include polyurethane and a Low Smoke Zero Halogen (LSZH) compound for applications where human safety and damage to electronic components are a concern.

Construction

Conductors: stranded bare copper

Pairs: 4 pairs twisted together

Insulation: polyethylene

Shielding: foil and tinned copper braid

Jacket: polyurethane or halogen-free; teal

Recommended applications

Flexible applications; wiring of industrial network devices, sensors, actuators, and cordsets

Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- High-quality foil and braid protect against EMI
- Flame retardant
- LSZH jacket available

Approvals



Cable attributes

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See attribute list by part number on page 234

Complete the installation



SKINTOP® MS-SC page 522



RJ45 connectors page 258

ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets page 620

Technical data

Minimum bend radius:
 - for stationary use: 8 x cable diameter
 - for flexible use: 15 x cable diameter

Temperature range:
 - 2170299:
 - for stationary use: -20°C to +75°C
 - for flexible use: -5°C to +50°C
 - 2170300:
 - for stationary use: -40°C to +80°C
 - for flexible use: -5°C to +60°C

Nominal voltage: (not for power applications)
 - 2170299: 125V
 - 2170300: 1000V

Test voltage:
 - 2170299: 700V

Characteristic impedance: 100Ω ± 15Ω

Color code: white/blue & blue, white/orange & orange, white/green & green, white/brown & brown,

Approvals: UL: AWM 21576 (2170300)
 Canada: cRU AWM I/II A/B FT2 (2170300)
 Additional: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter		Approx. weight	SKINTOP® MS-SC PG thread
								in	mm	lbs/mft	
CAT.5e cable											
2170299	26 AWG/4pr	7 wire	halogen-free (LSZH)	teal	—	no	no	0.240	6.1	32	53112210
2170300	26 AWG/4pr	7 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.240	6.1	36	53112210

Max cable run: 196 ft (60 m)

EtherCAT® is a registered trademark of Beckhoff Automation GmbH. Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section. If not otherwise specified, all values relating to the product are nominal values. Photographs are not to scale and are not true representations of the products in question.