

## 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

#### Approvals



EtherNet/IP

#### Application advantage

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

#### Cable attributes page 648

See attribute list by part number on page 234

#### Complete the installation



SKINTOP®  
MS-SC  
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connectors  
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#### ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets  
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#### 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
								in	mm	lbs/mft	PG thread
<b>CAT.5e cable</b>											
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.