

ETHERLINE® 4 pair: CAT.5e; continuous flex

Industrial Ethernet cable for continuous flex applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e



This ETHERLINE® 4 pair cable is suitable for CAT.5e continuous flex applications in harsh industrial environments where EMI is pervasive. The rugged polyurethane jacket offers excellent protection against oils and abrasion, and is also halogen-free.

Construction

Conductors: stranded bare copper

Pairs: 4 pairs twisted together

Insulation: polyolefin

Shielding: tinned copper braid

Jacket: polyurethane; teal

Recommended applications

Continuous flex applications; cable tracks; cordsets; wiring of network devices in dry or damp rooms

Approvals



Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- Tested for 2.5 million flex cycles
- Shield provides reliable data transmission
- Easy routing
- PUR jacket is resistant to oil and abrasion

Cable attributes		page 648
OIL	OR-04	FLAME FR-00
MOTION	CF-02	MECH. MP-05

Complete the installation	
SKINTOP® MS-SC page 522	RJ45 connectors page 257

ÖLFLEX® CONNECT solution	
Industrial Ethernet cordsets page 620	

Technical data



Minimum bend radius:

- for stationary use: 8 x cable diameter
- for continuous flexing: 15 x cable diameter



Temperature range:

- for stationary use: -30°C to +80°C
- for continuous flexing: -20°C to +70°C



Nominal voltage:

1000V (not for power applications)



Test voltage:

1000V



Characteristic impedance:

100Ω ± 15Ω



Color code:

white/blue & blue,
white/orange & orange,
white/green & green,
white/brown & brown



Approvals:

UL: AWM 21576
Canada: cRU AWM I/II A/B FT2
Additional: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	Nominal outer diameter mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.5e											
2170489	26 AWG/4pr	19 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.248	6.3	36	53112210

Max cable run: 196 ft (60 m)