ETHERLINE® 4 Pair: CAT.5e; Continuous Flex

Industrial Ethernet Cable for Continuous Flex Applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e

This 4 pair ETHERLINE® 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: Teal polyurethane

■ Recommended Applications

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

■ Application Advantage

• Tested for 2.5 million flex cycles
• Shield provides reliable data transmission
• Easy routing
• PUR jacket is resistant to oil and abrasion

■ Approvals

■ Lapp Systems Advantage

For Ethernet cordsets, see page 629

Cable Attributes, see page 659			
OR-04	FR-00	CF-02	MP-05
OIL	FLAME	MOTION	MECHANICAL

■ Similar Cables
• ETHERLINE® 4 Pair: CAT.6
• ETHERLINE® 2 Pair: CAT.5/5e (both Continuous Flex)

Complete the Installation
RJ45 Connectors: page 256
SKINTOP® MS-SC: page 528

■ 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: 125V (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	Size / Pairs	Stranding	Jacket Material	Jacket Color	Approvals	Fast Connect	Nominal Outer Diameter (inches)	(mm)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
CAT.5e Cable										
2170489*	26 AWG/4pr	19 wire	PUR	Teal	UL/CSA AWM	No	0.248	6.3	36	53112210

* Max cable run: 196 ft (60 m)