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

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

Approvals

RoHS √

EtherCAT® Technology Group

Continuous Flex Test Method Verified UL VERIFIED verify.ul.com AS22492

EtherNet/IP™

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
*UL Verified ID A522492:		Continuous Flex Test Method Verified

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
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)

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.