Data communication systems for Ethernet technology

ETHERLINE® 2 pair: CAT.5 TORSION

Industrial Ethernet cable suitable for torsion stress

LAPP KABEL STUTTGART ETHERLINE® CAT.5 TORSION



torsion stress applications. It is tested with more than 1 million bending cycles and a right/left movement of 180° per meter.

Construction

Conductors: stranded tinned copper

Pairs: star quad

Insulation: foamed polyethylene

Shielding: tinned copper braid; non-woven wrap

Jacket: halogen-free polyurethane; green

Recommended applications

Stationary, flexible, continuous flex, and torsion applications; recommended for drip loop applications, e.g., in wind turbines

Approvals





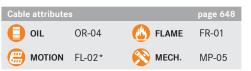




EtherNet/IP

Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- · Suitable for high torsion stress
- High-quality shield provides excellent EMI protection
- · Highly abrasion-resistant PUR jacket
- · Halogen-free and flame retardant
- Suitable for PoE per IEEE 802.3at







Technical data

Minimum bend radius: 5 x cable diameter Z_m Characteristic impedance: $100\Omega \pm 15\Omega$

Color code: Temperature range: -40°C to +80°C white, yellow, blue, orange

7 Nominal voltage: 100V (not for power applications) Approvals: UL: AWM 21161 Additional: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Non outer d in		Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.5											
2170888	22 AWG/2pr	19 wire	PUR	green	PROFINET®, UL AWM	no	yes	0.256	6.5	35	53112210

^{*} Torsion ± 180°/m