ETHERLINE® 2 pair: CAT.5 TORSION

Industrial Ethernet cable suitable for torsion stress

ETHERLINE® TORSION is a 2 pair industrial Ethernet cable designed for high-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

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

Approvals

Cable attributes			page 648
OIL	OR-04	FLAME	FR-01
MOTION	FL-02*	MECH.	MP-05

* Torsion ± 180°/m

Complete the installation

SKINTOP® MS-SC
page 522

RJ45 connectors
page 257

ÖLFLEX® CONNECT solution

ÖLFLEX® CONNECT CABLES
page 605

Technical data

Minimum bend radius:	5 x cable diameter	**Characteristic impedance:**	100Ω ± 15Ω
Temperature range:	-40°C to +80°C	**Color code:**	white, yellow, blue, orange
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	Nominal outer diameter in	Nominal outer diameter mm	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

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Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available; please see our SKINTOP® section.
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