

## ETHERLINE® 2 pair: CAT.5 TORSION

### Industrial Ethernet cable suitable for torsion stress

#### LAPP KABEL STUTTGART ETHERLINE® CAT.5 TORSION



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

#### Approvals



#### 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

Cable attributes				page 648	Complete the installation				ÖLFLEX® CONNECT solution			
OIL	OR-04	FLAME	FR-01	SKINTOP® MS-SC	page 522	RJ45 connectors	page 257	ÖLFLEX® CONNECT CABLES	page 605			
MOTION	FL-02*	MECH.	MP-05									

\* Torsion ± 180°/m

#### Technical data

<b>Minimum bend radius:</b>	5 x cable diameter	<b>Characteristic impedance:</b>	100Ω ± 15Ω
<b>Temperature range:</b>	-40°C to +80°C	<b>Color code:</b>	white, yellow, blue, orange
<b>Nominal voltage:</b>	100V (not for power applications)	<b>Approvals:</b>	UL: AWM 21161 Additional: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
<b>CAT.5</b>											
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.

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.