

## ETHERLINE® 4 pair: CAT.6A TORSION

### Industrial Ethernet cable for torsion stress

LAPP KABEL STUTTGART ETHERLINE® CAT.6A TORSION



ETHERLINE® 4 Pair: CAT.6A TORSION cable meets CAT.6A requirements and can be used in torsion applications. The premium shielding allows reliable, high-speed data transfer. Jacket options include PVC and halogen-free polyurethane.

#### Construction

**Conductors:** stranded tinned copper

**Pairs:** 4 pairs individually shielded with aluminum compound foil

**Insulation:** foam skin

**Shielding:** overall copper braid

**Jacket:** PVC or polyurethane; green

#### Recommended applications




High-torsion stress applications; harsh industrial environments

#### Approvals









#### Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- Suitable for high-torsion stress
- Qualified for 10 Gigabit Ethernet
- Excellent EMI protection
- Oil-resistant jacket
- Conforms to PROFIBUS® standard
- Suitable for PoE per IEEE 802.3at

Cable attributes	page 648	Complete the installation	ÖLFLEX® CONNECT solution
See attribute list by part number on page 234		 SKINTOP® MS-SC page 522	 RJ45 CAT.6A connectors page 258
			 ÖLFLEX® CONNECT CABLES page 605

#### Technical data

 <b>Minimum bend radius:</b>	15 x cable diameter	 <b>Color code:</b>	white & blue, white & orange, white & green, white & brown
 <b>Temperature range:</b>	-40°C to +80°C - for stationary use: - for flexible use: -10°C to +70°C	 <b>Approvals:</b>	UL: CMG per UL 444 (2170482) AWM 21576 (2170483) CMX per UL 444 (2170483) RU AWM 80°C 1000V (2170483) Canada: c(UL) CMG FT4 (2170482) c(UL) CMX (2170483) cRU AWM I/II A/B FT2 (2170483) Additional: RoHS
 <b>Nominal voltage:</b>	(not for power applications) - 2170482: 125V - 2170483: 1000V		
 <b>Characteristic impedance:</b>	100Ω ± 15Ω		

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
<b>CAT.6A</b>											
2170482	24 AWG/4pr	7 wire	PVC	green	PROFINET®, UL/CSA CMG	no	yes	0.355	9.0	59	53112220
2170483	24 AWG/4pr	7 wire	PUR	green	PROFINET®, UL/CSA AWM, CMX, 1000V	no	yes	0.355	9.0	60	53112220

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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.

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