Data communication systems for Ethernet technology

ETHERLINE[®] 4 pair: CAT.7; flexible Industrial Ethernet cable for flexible applications

4 pair cable

LAPP KABEL STUTIGART ETHERLINE® CAT.7

ETHERLINE® CAT. 7 flexible cables are designed for flexible applications and come with an overall foil and braid shield and individually shielded pairs for EMI protection.

Recommended applications

Flexible applications; wiring of industrial network devices, sensors, actuators, and cordsets

Ether**CAT**

Approvals

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· Can be used in dry or damp rooms

• Qualified for 10 Gigabit Ethernet

Application advantage

Suitable for EtherCAT[®] & EtherNet/IP applications

UL: AWM 21576

Canada: cRU AWM I/II A/B FT2

Pairs: 4 pairs individually shielded with aluminum compound

• Excellent EMI protection

Construction

Insulation: polyethylene

foil

Conductors: stranded bare copper

Shielding: foil & tinned copper braid

Jacket: halogen-free polyurethane; green

- · Space-saving due to small cable diameter
- Robust halogen-free outer jacket

Cable attributes			page 648	Complete the installation			ÖLFLEX [®] CONNECT solution		
	OR-04 FL-02	🙆 FLAME 🚫 MECH.	FR-01 MP-05		SKINTOP® MS-SC page 522		RJ45 connectors page 258		ÖLFLEX [®] CONNECT CABLES page 605
Technica	l data								
Minimum bend radius:						Characte	ristic impedance:	100Ω ± 15Ω)
- for insta		cable diameter				natie impedance.	10032 ± 103.	2	
- for torsion & flexing: 10			x cable diameter			Color code:		white/blue & blue, white/orange & orange,	
👍 Tempera	ture range	:						white/gre	en & green,
- for installation: -50			°C to +80°C					white/bro	wn & brown
- for flexi	-40	°C to +80°C							

EtherNet/IP

Nominal SKINTOP Approx Jacket Jacket Fast Part PoF Construction Stranding Approvals outer diameter weight MS-SC number material color connect in lbs/mft PG thread mm CAT.7 0.250 53112210 26 AWG/4pr 7 wire PUR UL AWM, CMX 31 2170934 green no no 6.4

125V (not for power applications)

Approvals:

Max cable run: 196 ft (60 m)

7 Nominal voltage:

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.

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