

ETHERLINE® 4 pair: CAT.7; flexible

Industrial Ethernet cable for flexible applications



LAPP KABEL STÜTTGART 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.

Construction

- Conductors:** stranded bare copper
- Pairs:** 4 pairs individually shielded with aluminum compound foil
- Insulation:** polyethylene
- Shielding:** foil & tinned copper braid
- Jacket:** halogen-free polyurethane; green

Recommended applications

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

Application advantage

- Can be used in dry or damp rooms
- Qualified for 10 Gigabit Ethernet
- Suitable for EtherCAT® & EtherNet/IP applications
- Excellent EMI protection
- Space-saving due to small cable diameter
- Robust halogen-free outer jacket

Approvals



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

Complete the installation	
SKINTOP® MS-SC page 522	RJ45 connectors page 258

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT CABLES page 605	

Technical data

Minimum bend radius: - for installation: 4 x cable diameter - for torsion & flexing: 10 x cable diameter	Characteristic impedance: 100Ω ± 15Ω
Temperature range: - for installation: -50°C to +80°C - for flexible use: -40°C to +80°C	Color code: white/blue & blue, white/orange & orange, white/green & green, white/brown & brown
Nominal voltage: 125V (not for power applications)	Approvals: UL: AWM 21576 Canada: cRU AWM I/II A/B FT2

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

Max cable run: 196 ft (60 m)

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.

