

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
- Temperature range:**
 - for installation: -50°C to +80°C
 - for flexible use: -40°C to +80°C
- Nominal voltage:** 125V (not for power applications)
- Characteristic impedance:** 100Ω ± 15Ω
- Color code:** white/blue & blue, white/orange & orange, white/green & green, white/brown & brown
- 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)