

# 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

### Approvals



### 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

#### Cable attributes page 648

<b>OIL</b> OR-04	<b>FLAME</b> FR-01
<b>MOTION</b> FL-02	<b>MECH.</b> MP-05

#### Complete the installation

SKINTOP® MS-SC page 522	RJ45 connectors page 258
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#### ÖLFLEX® CONNECT solution

	ÖLFLEX® CONNECT CABLES page 605
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### Technical data

<b>Minimum bend radius:</b> - for installation: 4 x cable diameter - for torsion & flexing: 10 x cable diameter	<b>Characteristic impedance:</b> 100Ω ± 15Ω
<b>Temperature range:</b> - for installation: -50°C to +80°C - for flexible use: -40°C to +80°C	<b>Color code:</b> white/blue & blue, white/orange & orange, white/green & green, white/brown & brown
<b>Nominal voltage:</b> 125V (not for power applications)	<b>Approvals:</b> 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
<b>CAT.7</b>											
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.