

ETHERLINE® ROBUST

Chemical-resistant industrial Ethernet cable for flexible applications

LAPP KABEL STUTTGART ETHERLINE® ROBUST CAT.5e



LAPP KABEL STUTTGART ETHERLINE® ROBUST CAT.7



ETHERLINE® ROBUST flexible cables are suitable for CAT.5e and CAT.7 applications that require a higher level of chemical, UV, and weather resistance. They are designed with a foil and braid shield to protect against EMI and ensure reliable data transmission.

Recommended applications

Machine tool building; medical technology; laundries; car washing equipment; chemical industry; composting plants; sewage works; food & beverage industry, especially for production and processing of dairy and meat products

Approvals



Construction

Conductors: stranded bare copper

Pairs: CAT.5e: 2 pair • CAT.7: 4 pair

Insulation: polyolefin

Shielding: foil and tinned copper braid

Jacket: TPE; black

Application advantage

- Halogen-free materials
- Ozone-, UV-, and weather-resistant jacket
- Low smoke density
- Suitable for PoE per IEEE 802.3at (see table below)

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

Complete the installation	
SKINTOP® MS-SC page 522	RJ45 connectors page 257

ÖLFLEX® CONNECT solution	
ÖLFLEX® CONNECT CABLES page 605	

Technical data

Minimum bend radius:	
- for stationary use:	4 x cable diameter
- for flexible use:	10 x cable diameter

Color code:	
- 2 pair:	white & yellow, blue & orange
- 4 pair:	white/blue & blue, white/orange & orange, white/green & green, white/brown & brown

Temperature range:	
- for stationary use:	-50°C to +80°C
- for flexible use:	-40°C to +80°C

Characteristic impedance:	
	100Ω ± 15Ω

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	PoE	Nominal outer diameter		Approx. weight	SKINTOP® MS-SC
							in	mm	lbs/mft	PG thread
CAT.5e										
2170451	22 AWG/2pr	7 wire	TPE	black	PROFINET®	yes	0.268	6.8	34	53112210
CAT.7										
2170452	23 AWG/4pr	7 wire	TPE	black	PROFINET®	yes	0.355	9.0	50	53112220
2170453	26 AWG/4pr	7 wire	TPE	black	—	no	0.256	6.5	24	53112210

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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.