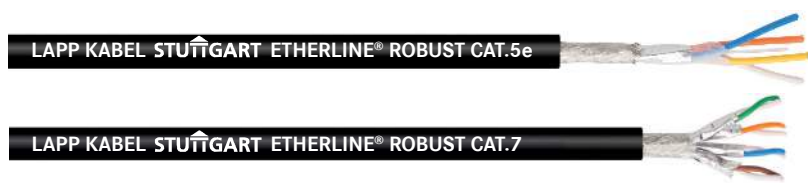


ETHERLINE® ROBUST

Chemical-resistant industrial Ethernet cable for flexible applications



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		Complete the installation		ÖLFLEX® CONNECT solution	
OIL OR-01	FLAME FR-01	SKINTOP® MS-SC page 522	RJ45 connectors page 257	ÖLFLEX® CONNECT CABLES page 605	
MOTION FL-02	MECH. MP-01				

Technical data

<p> Minimum bend radius:</p> <ul style="list-style-type: none"> - for stationary use: 4 x cable diameter - for flexible use: 10 x cable diameter <p> Temperature range:</p> <ul style="list-style-type: none"> - for stationary use: -50°C to +80°C - for flexible use: -40°C to +80°C <p> Characteristic impedance: 100Ω ± 15Ω</p>	<p> Color code:</p> <ul style="list-style-type: none"> - 2 pair: white & yellow, blue & orange - 4 pair: white/blue & blue, white/orange & orange, white/green & green, white/brown & brown
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Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	PoE	Nominal outer diameter		Approx. weight	SKINTOP® MS-SC PG thread
							in	mm	lbs/mft	
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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