

ETHERLINE® ROBUST FR

Chemical-resistant industrial Ethernet cable for flexible applications



ETHERLINE® ROBUST FR flexible cables are suitable for CAT.5e and CAT.7 applications that require a flame-retardant jacket as well as 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



EtherNet/IP

EtherCAT®
Technology Group

Cable attributes page 648

OIL	OR-01	FLAME	FR-02
MOTION	FL-02	MECH.	MP-01

Complete the installation

SKINTOP® MS-SC page 522	RJ45 connectors page 258
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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 (1 - 100 MHz)	

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										
2170454	22 AWG/2pr	7 wire	TPE	black	PROFINET®	yes	0.268	6.8	37	53112220
CAT.7										
2170455	24 AWG/4pr	7 wire	TPE	black	PROFINET®	yes	0.355	9.0	54	53112230
2170456	26 AWG/4pr	7 wire	TPE	black	—	no	0.256	6.5	27	53112220

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