

ETHERLINE® 2 pair: CAT.5/CAT.5e; flexible

Industrial Ethernet cable for flexible applications



Flexible ETHERLINE® CAT.5/5e cables are constructed with a high-quality foil and copper braid shield for reliable data transfer in areas where EMI is pervasive. The different jacket materials provide excellent protection against oil, flame, or sunlight. A Low Smoke Zero Halogen (LSZH) jacketed cable is available for applications where human safety and damage to electronic components are a concern.

Recommended applications

Flexible applications; wiring of industrial network devices, sensors, actuators, and cordsets

Approvals



Construction

Conductors: stranded bare copper • 2170886: stranded tinned copper

Pairs: 2 twisted pairs or star quad




Insulation: polyethylene • 2170901: polyolefin

Shielding: foil and copper braid

Jacket: PVC; green or black • polyurethane or halogen-free; teal

Application advantage

- Excellent EMI protection
- Oil-, flame- & UV-resistant jacket
- Conforms to PROFINET® standard
- Suitable for EtherCAT® & EtherNet/IP applications
- Fast connect style allows for quick installation
- Suitable for PoE per IEEE 802.3at (see table below)

Cable attributes page 648	Complete the installation	ÖLFLEX® CONNECT solution
See attribute list by part number on page 232	 Fast connect stripping tool page 262  RJ45 connectors page 257	 Industrial Ethernet cordsets page 620

Technical data	
Minimum bend radius: - for flexible use: 15 x cable diameter	Color code: - 2170886, 2170901: white, yellow, blue, orange - 2170283, 2170284: white/orange & orange; white/green & green
Temperature range: - 2170886: -20°C to +60°C - 2170901: -10°C to +70°C - 2170283, 2170284: -5°C to +60°C	Approvals: UL: AWM 21576 (2170284) AWM 21694 (2170886) PLTC (2170886) CMG (2170886) Canada: c(UL) CMG (2170886) cRU AWM I/II A/B FT2 (2170284) Additional: ECOLAB (2170886) RoHS
Nominal voltage: (not for power applications) - 2170886: 600V (UL AWM) - 2170284: 1000V - all other P/Ns: 125V	
Characteristic impedance: 100Ω ± 15Ω	

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	Nominal outer diameter mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.5											
2170886	22 AWG/2pr	7 wire	PVC	green	PROFINET®, UL/CSA CMG, UL AWM, 600V, ECOLAB	yes	yes	0.256	6.5	45	53112210
CAT.5e											
2170901	22 AWG/2pr	7 wire	PVC	black	PROFINET®	no	yes	0.244	6.2	40	53112210
2170283*	26 AWG/2pr	7 wire	halogen-free	teal	—	no	no	0.213	5.4	29	53112210
2170284*	26 AWG/2pr	7 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.228	5.8	30	53112210

* Max cable run: 196 ft (60 m)

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