

ETHERLINE® 4 pair: CAT.6A; continuous flex

Industrial Ethernet cable for continuous flex applications



This ETHERLINE® 4 pair cable meets CAT.6A requirements and is suitable for continuous flex applications. Individually shielded pairs and an overall braid shield protect the cable from EMI and allow reliable, high-speed data transfer. The cable is available with a PVC or halogen-free polyurethane jacket.

Construction

Conductors: stranded tinned copper

Pairs: 4 pairs individually shielded with aluminum compound foil

Insulation: foam skin

Shielding: overall copper braid

Jacket: PVC or polyurethane; green

Recommended applications

Continuous flex applications; cable tracks; moving machine parts; harsh environments; qualified for CAT.6A = 10 Gbits/s

Approvals



Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- Qualified for 10 Gigabit Ethernet
- Premium shielding against EMI
- Oil-resistant jacket
- Conforms to PROFINET® standard
- Suitable for PoE per IEEE 802.3at

Cable attributes

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See attribute list by part number on page 234

Complete the installation



SKINTOP®
MS-SC
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RJ45 CAT.6A
connectors
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ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets
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Technical data

<p> Minimum bend radius: - for continuous flexing: 15 x cable diameter</p> <p> Temperature range: - for stationary use: -40°C to +80°C - for continuous flexing: -10°C to +70°C</p> <p> Nominal voltage: (not for power applications) - 2170484: 1000V - 2170485: 125V</p> <p> Characteristic impedance: 100Ω ± 15Ω</p>	<p> Color code: white & blue, white & orange, white & green, white & brown</p> <p> Approvals: UL: AWM 21576 (2170484) CMX per UL 444 (2170484) RU AWM 80°C 1000V (2170484) CMG per UL 444 (2170485) Canada: c(UL) CMX (2170484) cRU AWM I/II A/B FT2 (2170484) c(UL) CMG FT4 (2170485) Additional: RoHS</p>
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Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in	mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
CAT.6A											
2170484	24 AWG/4pr	7 wire	PUR	green	PROFINET®, UL/CSA AWM, CMX	no	yes	0.355	9.0	60	53112220
2170485	24 AWG/4pr	7 wire	PVC	green	PROFINET®, UL/CSA CMG	no	yes	0.355	9.0	59	53112220

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