

# 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** page 648

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><b>Minimum bend radius:</b> - for continuous flexing: 15 x cable diameter</p> <p><b>Temperature range:</b> - for stationary use: -40°C to +80°C - for continuous flexing: -10°C to +70°C</p> <p><b>Nominal voltage:</b> (not for power applications) - 2170484: 1000V - 2170485: 125V</p> <p><b>Characteristic impedance:</b> 100Ω ± 15Ω</p>	<p><b>Color code:</b> white &amp; blue, white &amp; orange, white &amp; green, white &amp; brown</p> <p><b>Approvals:</b> 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 *UL Verified ID A522492: Continuous Flex Test Method Verified</p>
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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
<b>CAT.6A</b>											
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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