

# 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

### Application Advantage

- Qualified for 10 Gigabit Ethernet
- Premium shielding against EMI
- Oil-resistant jacket
- Conforms to PROFINET® standard

### Approvals



<b>Cable Attributes</b> <span style="float: right;">page 640</span> See attribute list by part number on page 230	<b>Complete the Installation</b> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">                       SKINTOP® MS-SC page 516                 </div> <div style="text-align: center;">                       RJ45 CAT.6A Connectors page 252                 </div> </div>	<b>ÖLFLEX® CONNECT Solution</b> <div style="text-align: center;">                       Industrial Ethernet Cordsets page 612                 </div>
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Technical Data	
<b>Minimum Bend Radius:</b> - for continuous flexing: 15 x cable diameter	<b>Color Code:</b> White & blue, white & orange, white & green, white & brown
<b>Temperature Range:</b> - for stationary use: -40°C to +80°C - for continuous flexing: -10°C to +70°C	<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
<b>Nominal Voltage:</b> (not for power applications) - 2170484: 1000V - 2170485: 125V	
<b>Characteristic Impedance:</b> 100Ω ± 15Ω	

Part Number	Size / Pairs	Stranding	Jacket Material	Jacket Color	Approvals	Fast Connect	Nominal Outer Diameter (in)	Nominal Outer Diameter (mm)	Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
<b>CAT.6A Cable</b>										
2170484	24 AWG/4pr	7 wire	PUR	Green	PROFINET®, UL/CSA AWM, CMX	No	0.355	9.0	60	53112220
2170485	24 AWG/4pr	7 wire	PVC	Green	PROFINET®, UL/CSA CMG	No	0.355	9.0	59	53112220

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