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.

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

Approvals

<table>
<thead>
<tr>
<th>Approvals</th>
<th>UL:</th>
<th>AWM 21576 (2170484)</th>
<th>CMX per UL 444 (2170484)</th>
<th>RU AWM 80°C 1000V (2170484)</th>
<th>CMG per UL 444 (2170485)</th>
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<tbody>
<tr>
<td>Canada:</td>
<td>c(UL)</td>
<td>CMX (2170484)</td>
<td>cRU AWM I/II A/B FT2 (2170484)</td>
<td>c(UL) CMG FT4 (2170485)</td>
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<td>Additional:</td>
<td>RoHS</td>
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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

Technical data

- Minimum bend radius: 15 x cable diameter
- Temperature range: -40°C to +80°C (-10°C to +70°C for continuous flexing)
- Nominal voltage: 1000V (2170484), 125V (2170485)
- Characteristic impedance: 100Ω ± 15Ω

Color code:
- white & blue, white & orange, white & green, white & brown

Approvals:
- UL: AWM 21576 (2170484)
- CMX per UL 444 (2170484)
- RU AWM 80°C 1000V (2170484)
- CMG per UL 444 (2170485)
- c(UL) CMX (2170484)
- cRU AWM I/II A/B FT2 (2170484)
- c(UL) CMG FT4 (2170485)

Part number | Construction | Stranding | Jacket material | Jacket color | Approvals | Fast connect | PoE | Nominal outer diameter | 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

*UL Verified ID A522492: Continuous Flex Test Method Verified

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CAT.6A
- Recommended for: EtherCAT® & EtherNet/IP applications
- Constructed for: Continuous flexing
- Suitable for: Continuous flex applications, cable tracks, moving machine parts, harsh environments
- Qualified for: CAT.6A = 10 Gbits/s
- Features: Premium shielding against EMI, Oil-resistant jacket, Conforms to PROFINET® standard, Suitable for PoE per IEEE 802.3at

For current information, see: www.lappusa.com • www.lappcanada.com