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

Cable attributes

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

* Max cable run: 196 ft (60 m)

Approvals: UL, AWM 21576 (2170284)
Canada: c(UL) CMG (2170886)
cRU AWM I/II A/B FT2 (2170284)
Additional: ECOLAB (2170886) RoHS

Technical data

- Minimum bend radius: 15 x cable diameter
- Temperature range:
  - 2170886: -20°C to +60°C
  - 2170901: -10°C to +70°C
  - 2170283, 2170284: -5°C to +60°C
- Nominal voltage:
  - 2170886: 600V (UL AWM)
  - 2170284: 1000V
  - all other P/Ns: 125V
- Characteristic impedance: 100Ω ± 15Ω

Color code:
- 2170886, 2170901: white, yellow, blue, orange
- 2170283, 2170284: white/orange & orange; white/green & green

Applications

- 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)