

# 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



### Construction

**Conductors:** stranded bare copper • 2170886: stranded tinned copper

**Pairs:** 2 twisted pairs or star quad

**Insulation:** polyethylene • 2170901: polyolefin

**Shielding:** foil and copper braid

**Jacket:** PVC; green or black • polyurethane or halogen-free; teal

### Application advantage

- 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)

#### Cable attributes page 648

See attribute list by part number on page 232

#### Complete the installation



Fast connect stripping tool  
page 262



RJ45 connectors  
page 257

#### ÖLFLEX® CONNECT solution



Industrial Ethernet cordsets  
page 620

### Technical data

**Minimum bend radius:**  
- for flexible use: 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:** (not for power applications)  
- 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

**Approvals:**  
UL: AWM 21576 (2170284)  
AWM 21694 (2170886)  
PLTC (2170886)  
CMG (2170886)  
Canada: c(UL) CMG (2170886)  
cRU AWM I/II A/B FT2 (2170284)  
Additional: ECOLAB (2170886)  
RoHS

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.5</b>											
2170886	22 AWG/2pr	7 wire	PVC	green	PROFINET®, UL/CSA CMG, UL AWM, 600V, ECOLAB	yes	yes	0.256	6.5	45	53112210
<b>CAT.5e</b>											
2170901	22 AWG/2pr	7 wire	PVC	black	PROFINET®	no	yes	0.244	6.2	40	53112210
2170283*	26 AWG/2pr	7 wire	halogen-free	teal	—	no	no	0.213	5.4	29	53112210
2170284*	26 AWG/2pr	7 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.228	5.8	30	53112210

\* Max cable run: 196 ft (60 m)

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