

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; stranded tinned copper (2170886)

Pairs: 2 twisted pairs or star quad

Insulation: Polyethylene or polyolefin (2170901)

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
- Fast connect style allows for quick installation


Cable Attributes page 640

See attribute list by part number on page 228

Complete the Installation



Fast Connect Stripping Tool
page 257



RJ45 Connectors
page 251

ÖLFLEX® CONNECT Solution



Industrial Ethernet Cordsets
page 612

Technical Data

<p>Minimum Bend Radius: - for flexible use: 15 x cable diameter</p> <p>Temperature Range: - 2170886: -20°C to +60°C - 2170901: -10°C to +70°C - 2170283, 2170284: -5°C to +60°C</p> <p>Nominal Voltage: (not for power applications) - 2170886: 600V (UL AWM) - 2170284: 1000V - all other P/Ns: 125V</p> <p>Characteristic Impedance: 100Ω ± 15Ω</p>	<p>Color Code: - 2170886, 2170901: White, yellow, blue, orange - 2170283, 2170284: White/orange & orange; white/green & green</p> <p>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</p>
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Part Number	Size / Pairs	Stranding	Jacket Material	Jacket Color	Approvals	Fast Connect	Nominal Outer Diameter (in) (mm)		Approx. Weight (lbs/mft)	SKINTOP® MS-SC PG Thread
CAT.5 Cable										
2170886	22 AWG/2pr	7 wire	PVC	Green	PROFINET®, UL/CSA CMG, UL AWM, 600V, ECOLAB	Yes	0.256	6.5	45	53112210
CAT.5e Cable										
2170901	22 AWG/2pr	7 wire	PVC	Black	PROFINET®	No	0.244	6.2	40	53112210
2170283*	26 AWG/2pr	7 wire	Halogen-free	Teal	—	No	0.213	5.4	29	53112210
2170284*	26 AWG/2pr	7 wire	PUR	Teal	UL/CSA AWM, 1000V	No	0.228	5.8	30	53112210

* Max cable run: 196 ft (60 m)

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