



COMPANY PRODUCTS SYSTEMS INDUSTRIES TOOLS RESOURCES NE

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Product Chapter Finder

"Flip" Catalogs

ETHERLINE®

Industrial Ethernet Cable • 2 Pair

ETHERLINE® 2 Pair: CAT.5/CAT.5e; Flexible Industrial Ethernet Cable for Flexible Applications



Flexible ETHERLINE® CAT.5/CAT.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

Shielded Construction

- Conductors:** Stranded bare copper
2170886: Stranded tinned copper
- Pairs:** 2 twisted pairs or star quad
- Insulation:** Polyethylene or polyolefin (2170901)
- Shielding:** Foil and copper braid
- Jacket:**
22 AWG: Green or black PVC
26 AWG: Teal polyurethane or halogen-free

Application Advantage

- Excellent EMI protection
- Oil-, flame- & UV-resistant jacket
- Conforms to PROFINET standard
- Fast connect style allows for quick installation

Similar Cable

- ETHERLINE® 2 Pair: CAT.5/CAT.5e; Continuous Flex
- ETHERLINE® 2 Pair: CAT.5 TORSION

Complete the Installation



SKINTOP®
MS-SC



Fast Connect
Stripping Tool



Ethernet Cordsets from
Lapp Systems

2170886	OR-00	FR-03	FL-02	MP-01
2170901	OR-00	FR-01	FL-02	MP-01
2170283	OR-00	FR-01	FL-02	MP-01
2170284	OR-04	FR-01	FL-02	MP-05

Technical Data

Minimum Bend Radius	15 x cable diameter	Characteristic Impedance	100Ω ± 15Ω
Temperature Range	-20°C to +60°C	Color Code	- 22 AWG: White, yellow - 26 AWG: White/orange & orange, white/green & green
	-10°C to +70°C	Approvals	UL: AWM 21694 (2170886) PLTC (2170886) CMG (2170886)
	-5°C to +60°C		Canada: cUL CMG (2170886) Additional: ECOLAB (2170886) RoHS
Nominal Voltage	(not for power applications)		
	600V (UL/AWM)		
	125V		
	1000V		

Part Number	Size / Pairs	Stranding	Jacket	Approvals	Fast Connect	Nominal Outer Diameter		Approx. Weight (lbs/mft)	SKINTOP®
						(in)	(mm)		MS-SC PG Thread
CAT.5 Cable									
2170886	22 AWG/2pr	7 wire	Green PVC	PROFINET, UL/CSA CMG, UL AWM, 600V, ECOLAB	Yes	0.256	6.5	45	53112210
CAT.5e Cable									
2170901	22 AWG/2pr	7 wire	Black PVC	PROFINET	No	0.244	6.2	40	53112210
2170283*	26 AWG/2pr	7 wire	Teal Halogen-free	—	No	0.213	5.4	29	53112210
2170284*	26 AWG/2pr	7 wire	Teal PUR	UL/CSA AWM	No	0.228	5.8	30	53112210

* Max cable run: 196 ft (60 m)

Recommended SKINTOP® assumes minimal OD variance. Additional configurations are available, please see our SKINTOP® Section. Photographs are not to scale and are not true representations of the products in question. If not otherwise specified, all values relating to the product are nominal values.

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