

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

Industrial Ethernet Cable for Continuous Flex Applications



ETHERLINE® CAT.5/5e cables are suitable for cable track applications and other moving machinery parts. The special cable design allows easy cable routing, yet provides excellent protection from EMI. The polyurethane outer jacket is halogen-free and resistant against oil, abrasion, and UV light.

Construction

Conductors: Stranded bare copper or tinned copper (2170894)

Pairs: 2 twisted pairs or star quad

Insulation: Polyolefin or polyethylene (2170894)

Shielding: Copper braid or foil and copper braid (2170894)

Jacket: Polyurethane; green or teal

Recommended Applications

Continuous flex applications; cable tracks; cordsets; wiring of network devices; dry or damp environments

Application Advantage

- Easy cable routing
- Protection from EMI
- Fast connect style allows for quick installation

Approvals



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:</p> <ul style="list-style-type: none"> - for stationary use: 8 x cable diameter - for continuous flexing: 15 x cable diameter <p>Temperature Range:</p> <ul style="list-style-type: none"> - 2170894 & 2170289: <ul style="list-style-type: none"> - for continuous flexing: -20°C to +60°C - for stationary use: -30°C to +70°C - 2170289NA: <ul style="list-style-type: none"> - for continuous flexing: -5°C to +50°C - for stationary use: -40°C to +70°C <p>Nominal Voltage: (not for power applications)</p> <ul style="list-style-type: none"> - 2170894: 100V - 2170289 & 2170289NA: 1000V 	<p>Characteristic Impedance: 100Ω ± 15Ω</p> <p>Color Code:</p> <ul style="list-style-type: none"> - 2170894: White, yellow, blue, orange - 2170289: White/orange & orange; white/green & green - 2170289NA: White/orange & orange; white/blue & blue <p>Approvals:</p> <ul style="list-style-type: none"> UL: CMX (2170894) AWM 21576 (2170289, 2170289NA) Canada: c(UL) CMX (2170894) cRU AWM I/II A/B FT2 (2170289, 2170289NA) Additional: RoHS
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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										
2170894	22 AWG/2pr	7 wire	PUR	Green	PROFINET®, UL/CSA CMX	Yes	0.256	6.5	42	53112210
CAT.5e Cable										
2170289*	26 AWG/2pr	19 wire	PUR	Teal	UL/CSA AWM, 1000V	No	0.240	6.1	32	53112210
2170289NA*	26 AWG/2pr	19 wire	PUR	Teal	UL/CSA AWM, 1000V	No	0.228	5.8	32	53112210

* Max cable run: 196 ft (60 m)

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