

**ETHERLINE® 2 pair: CAT.5/CAT.5e; continuous flex**

Industrial Ethernet cable for continuous flex applications



LAPP KABEL STUTTGART ETHERLINE® CAT.5



LAPP KABEL STUTTGART ETHERLINE® CAT.5e

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 • 2170894: tinned copperPairs: 2 twisted pairs or star quadInsulation: polyolefin • 2170894: polyethyleneShielding: copper braid • 2170894: foil and copper braidJacket: polyurethane; green or teal**Recommended applications**

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

**Approvals**

## Cable attributes

page 648

See attribute list by part number on page 232

## Complete the installation

Fast connect stripping tool  
page 262RJ45 connectors  
page 257

## ÖLFLEX® CONNECT solution

Industrial Ethernet cordsets  
page 620**Technical data****Minimum bend radius:**

- for stationary use: 8 x cable diameter
- for continuous flexing: 15 x cable diameter

**Characteristic impedance:** 100Ω ± 15Ω**Temperature range:**

- 2170894 & 2170289:
  - for continuous flexing: -20°C to +60°C
  - for stationary use: -30°C to +70°C
- 2170289NA:
  - for continuous flexing: -5°C to +50°C
  - for stationary use: -40°C to +70°C

**Color code:**

- 2170894: white, yellow, blue, orange
- 2170289: white/orange & orange; white/green & green
- 2170289NA: white/orange & orange; white/blue & blue

**Nominal voltage:**

- 2170894: 100V
- 2170289 & 2170289NA: 1000V

**Approvals:**

- UL: CMX (2170894)  
AWM 21576 (2170289, 2170289NA)
- Canada: c(UL) CMX (2170894)  
cRUS AWM I/II A/B FT2 (2170289, 2170289NA)
- Additional: RoHS

Part number	Construction	Stranding	Jacket material	Jacket color	Approvals	Fast connect	PoE	Nominal outer diameter in mm	Approx. weight lbs/mft	SKINTOP® MS-SC PG thread
<b>CAT.5</b>										
2170894	22 AWG/2pr	7 wire	PUR	green	PROFINET®, UL/CSA CMX	yes	yes	0.256	6.5	42
<b>CAT.5e</b>										
2170289*	26 AWG/2pr	19 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.240	6.1	32
2170289NA*	26 AWG/2pr	19 wire	PUR	teal	UL/CSA AWM, 1000V	no	no	0.228	5.8	32

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

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