

# ETHERLINE® 4 Pair: CAT.5e; Flexible

## Industrial Ethernet Cable for Flexible Applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e



ETHERLINE® 4 pair CAT.5e cables designed for flexible applications come with a foil and braid shield for EMI protection. Jacket options include polyurethane and a Low Smoke Zero Halogen (LSZH) compound 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

**Pairs:** 4 pairs twisted together

**Insulation:** Polyethylene

**Shielding:** Foil and tinned copper braid

**Jacket:** Polyurethane or halogen-free; teal

### Application Advantage

- High-quality foil and braid protect against EMI
- Flame retardant
- LSZH jacket available

**Cable Attributes** page 640

See attribute list by part number on page 230

**Complete the Installation**



SKINTOP®  
MS-SC  
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RJ45  
Connectors  
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**ÖLFLEX® CONNECT Solution**



Industrial Ethernet Cordsets  
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### Technical Data

<p> <b>Minimum Bend Radius:</b></p> <ul style="list-style-type: none"> <li>- for stationary use: 8 x cable diameter</li> <li>- for flexible use: 15 x cable diameter</li> </ul> <p> <b>Temperature Range:</b></p> <ul style="list-style-type: none"> <li>- 2170299:                             <ul style="list-style-type: none"> <li>- for stationary use: -20°C to +75°C</li> <li>- for flexible use: -5°C to +50°C</li> </ul> </li> <li>- 2170300:                             <ul style="list-style-type: none"> <li>- for stationary use: -40°C to +80°C</li> <li>- for flexible use: -5°C to +60°C</li> </ul> </li> </ul> <p> <b>Nominal Voltage:</b> (not for power applications)</p> <ul style="list-style-type: none"> <li>- 2170299: 125V</li> <li>- 2170300: 1000V</li> </ul>	<p> <b>Test Voltage:</b></p> <ul style="list-style-type: none"> <li>- 2170299: 700V</li> </ul> <p> <b>Characteristic Impedance:</b> 100Ω ± 15Ω</p> <p> <b>Color Code:</b></p> <p>White/blue &amp; blue, white/orange &amp; orange, white/green &amp; green, white/brown &amp; brown,</p> <p> <b>Approvals:</b></p> <ul style="list-style-type: none"> <li>UL: AWM 21576 (2170300)</li> <li>Canada: cRU AWM I/II A/B FT2 (2170300)</li> <li>Additional: RoHS</li> </ul>
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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
2170299*	26 AWG/4pr	7 wire	Halogen-free (LSZH)	Teal	—	No	0.240	6.1	32	53112210
2170300*	26 AWG/4pr	7 wire	PUR	Teal	UL/CSA AWM, 1000V	No	0.240	6.1	36	53112210

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

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. For current information go to our website.