# ETHERLINE® 4 pair: CAT.5e; stationary
## Industrial Ethernet cable for stationary applications

LAPP KABEL STUTTGART ETHERLINE® CAT.5e

ETHERLINE® 4 pair cables for stationary applications are suitable for CAT.5e data transmission. Designed with a foil and braid shield, the cable is protected against EMI and can be used in areas where reliable data transmission is key. The cable is available with a PUR or halogen-free jacket, or with a double halogen-free inner and outer jacket.

## ■ Construction

Conductors: solid bare copper

Pairs: 4 pairs twisted together

Insulation: foam skin

Shielding: foil and tinned copper braid

Jacket: polyurethane or halogen-free; teal • 2170298: halogen-free inner & outer jackets

## ■ Recommended applications

Stationary applications; industrial field and cell level networking; PLCs, sensors, and other network devices; dry and damp rooms

## ■ Application advantage

- Suitable for EtherCAT® & EtherNet/IP applications
- Excellent EMI protection
- Flame retardant
- **Suitable for PoE per IEEE 802.3at**

## ■ Approvals

cULus    RoHS ✓    EtherCAT® Technology Group    EtherNet/IP

| Cable attributes | page 648 |
|---|---|
| See attribute list by part number on page 234 | |

| Complete the installation | |
|---|---|
| SKINTOP® MS-SC page 522 | RJ45 connectors page 257 |

| ÖLFLEX® CONNECT solution |
|---|
| ÖLFLEX® CONNECT CABLES page 605 |

## ■ Technical data

**◿ Minimum bend radius:**
- for stationary use:    8 x cable diameter

**🌡 Temperature range:**    -30°C to +80°C

**⚡ Nominal voltage:**    (not for power applications)
- 2170297:    1000V
- 2170296, 2170298:    125V

**⚡ Test voltage:**    1000V

**Z∞ Characteristic impedance:**    100Ω ± 15Ω

**Color code:**
white/blue & blue,
white/orange & orange,
white/green & green,
white/brown & brown

**✓ Approvals:**
| | |
|---|---|
| UL: | AWM 21576 (2170297) |
| Canada: | cRU AWM I/II A/B FT2 (2170297) |
| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **CAT.5e** | | | | | | | | | | | |
| 2170296 | 24 AWG/4pr | solid | halogen-free | teal | — | no | yes | 0.248 | 6.3 | 36 | 53112210 |
| 2170297 | 24 AWG/4pr | solid | PUR | teal | UL/CSA AWM, 1000V | no | yes | 0.248 | 6.3 | 42 | 53112210 |
| 2170298 | 24 AWG/4pr | solid | halogen-free* | teal | — | no | yes | 0.296 | 7.5 | 54 | 53112220 |

\* Inner and outer jacket

Custom jacket colors available upon request. Minimum order quantities will apply.