

LUTZE SUPERFLEX® ETHERNET BUS (C) PUR, Shielded

High Flexing ETHERNET Cable with UL Approvals



Application

- For the cabling of industrial field bus systems with the globally accepted TCP/IP protocol
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Applicable in automation technology, transport and conveyor technology, machine tool manufacturing
- For continuous flexing applications in C-tracks or free movement

Characteristics

- High active and passive interference resistance (EMC)
- Talc and Silicone free

Technical data

| | |
|------------------------------|--|
| Impedance | 100Ω ± 10Ω |
| Loop resistance | Braid AWG 22/7= 0.34 ² <110Ω/km |
| | Braid AWG 24/19= 0.24 ² <155Ω/km |
| | Braid AWG 26/19=0.14 ² <280Ω/km |
| Operating capacitance | 50pF/m |
| Nominal voltage | 300V |
| Test voltage | 1500V |
| Temperature range | Moving -30°C - +70°C Fixed -40°C - +80°C |
| Minimum bending radius | Moving 12 x cable OD Fixed 6 x cable OD |
| Burning behavior | Flame retardant per DIN EN 60332-1-2 IEC 60332-1 UL 1581 section VW-1 Flame test FT 1 |
| Halogen free | According to DIN EN 60754-1 |
| Approvals | cULus CMX cURus AWM Meets NEC 392, 800 RoHS, REACH |
| Item specific certifications | 104337: CC-Link IE Field |

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- Foil shield
- Tinned copper braid, optical coverage 85%
- Jacket special-PUR, matte, adhesion-free surface
- Green jacket RAL 6018

For further information, see ETHERNET pages in the Technical Overview

Specifications are subject to change without prior notice

| Part No. | Description No. of conductors | OD / Ø ca. mm | OD / Ø inches | Weight Lbs/Mft | Copper Lbs/Mft |
|----------|----------------------------------|------------------|------------------|-------------------|-------------------|
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Industrial Ethernet/ProfiNet/EtherCat

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|---------------|--|-----|-------|----|----|
| 104303 | (2x2xAWG22/7) CMX Cat5e 100 MHz, SF/UTQ Star-Quad, FC, ProfiNet Type C WH/BU; YE/OG | 6.5 | 0.256 | 41 | 21 |
| 104401 | (4x2xAWG24/7) AWM 21198 Cat6_A 500 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN | 8.9 | 0.350 | 59 | 27 |

Industrial Ethernet/Ethernet IP

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|---------------|--|-----|-------|----|----|
| 104337 | (4x2xAWG24/19) AWM 21198 Cat5e 100 MHz, S/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN | 7.8 | 0.307 | 46 | 37 |
| 104396 | (4x2xAWG26/19) AWM 21198 Cat5e 100 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN | 6.7 | 0.264 | 36 | 19 |
| 104347 | (4x2xAWG26/19) CMX Cat6 350 MHz, SF/UTP WHBU/BU, WHOG/OG, WHGN/GN, WHBN/BN | 7.9 | 0.311 | 42 | 28 |