

LUTZE ETHERNET (C) PVC, Shielded

Flexible Ethernet Cable for Stationary Applications



Application

- For the cabling of industrial Ethernet systems
- Cable design for harsh industrial environments and operating conditions with high noise levels
- Application in automation technology, transport and conveyor technology, machine tool manufacturing
- Compliant with NFPA 79 requirements

Characteristics

- High protection against electromagnetic interference (EMI)
- Talc and silicone free

Technical data

| | |
|------------------------------|---|
| Voltage | 300V |
| Test voltage | 1500V |
| Impedance | 100Ω ± 10Ω |
| Loop resistance | Solid AWG 22/1= 0,34 ² <110Ω/km |
| | Strand AWG 24/7= 0,22 ² <165Ω/km |
| | Strand AWG 26/7=0.14 ² <273Ω/km |
| Operating capacitance | < 50pF/m |
| Temperature range | Moving -5°C - +70°C Fixed -30°C - +80°C |
| Bending radius min | Moving 12 x Cable OD Fixed 6 x Cable OD |
| Burning behavior | Flame retardant per DIN EN 60332-1-2 IEC 60332-3-24 UL 1581 FT4 |
| Approvals | CMG 75C RoHS REACH |
| Item specific certifications | 104336 & 104397: CC-Link IE Field |
| AWG specific approvals | AWG 22: |
| | PLTC AWM 600V Class I & II, Div. 2 and Class I Zone 2 per NEC 501, 502, 505 |

Construction

- AWG conductor
- Bare copper wire
- Conductor insulation special polyolefin
- Foil shield
- Tinned copper braid shield, optical coverage ≥ 85 %
- Oil resistant PVC jacket
- Green jacket similar to RAL 6018
- Teal jacket similar to RAL 5021

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 |
|----------|----------------------------------|------------------|------------------|-------------------|-------------------|
|----------|----------------------------------|------------------|------------------|-------------------|-------------------|

Industrial Ethernet/PROFINET/EtherCat, Green

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|---------------|---|-----|-------|----|----|
| 104301 | (2x2xAWG22/1) CMG, PLTC, AWM 20201 600V Cat5e, SF/UTQ FC, PROFINET Type A WH/BU, YE/OG | 6.5 | 0.256 | 44 | 25 |
| 104307 | (2x2xAWG22/7) CMG, PLTC, AWM 20201 600V Cat5e, SF/UTQ FC, PROFINET Type B WH/BU, YE/OG | 6.5 | 0.256 | 44 | 21 |

Industrial Ethernet/Ethernet IP, Green

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|---------------|--|-----|-------|----|----|
| 104335 | (4x2xAWG26/7) CMG Cat5e, SF/UTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 6.3 | 0.248 | 37 | 20 |
| 104336 | (4x2xAWG24/7) CMG Cat5e, SF/UTP WHBU/BU, WHOOG/OG, WH GN/GN, WHBN/BN | 7.3 | 0.287 | 46 | 26 |
| 104338 | (4x(2xAWG26/7)) CMG Cat6A, S/FTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 6.4 | 0.252 | 36 | 22 |
| 104397 | (4x(2xAWG22/1)) CMG, PLTC, AWM 2570 600V Cat6A, S/FTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 9.6 | 0.378 | 65 | 36 |
| 104331 | (4x(2xAWG26/7)) CMG Cat7, S/FTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 7.0 | 0.276 | 42 | 22 |

Industrial Ethernet/Ethernet IP, Teal

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|-----------------|---|-----|-------|----|----|
| 104197 | (2x2xAWG22/7) CMR, CMX Outdoor, PLTC, AWM 2570 600V Cat5e, SF/UTP WHGN/GN, WHOOG/OG | 7.5 | 0.295 | 43 | 20 |
| 104349 | (4x2xAWG22/7) CMG, CMX Outdoor, PLTC, AWM 2570 600V Cat5e, SF/UTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 8.6 | 0.338 | 62 | 32 |
| A1040300 | (4x(2xAWG22/1)) CMR, CMX Outdoor, PLTC, AWM 2570 600V Cat7, S/FTP WHBU/BU, WHOOG/OG, WHGN/GN, WHBN/BN | 9.6 | 0.378 | 65 | 36 |