

Product: [0985 806 102](#) 

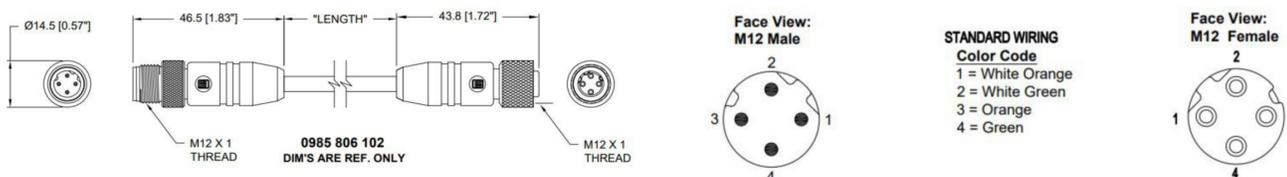


Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to M12 female straight, teal TPE jacket, 4-pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.

Product Description

Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male to M12 female straight, teal TPE jacket, 4-pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.

Technical Drawing



Technical Specifications

Product Description

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|-------------------------|-----------------------|
| Product Family: | Data Connectors |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Unshielded |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 250V |
| Rated Current*: | 4 A |
| Data Transmission: | Fast Ethernet Cat5e |
| Data Transmission Rate: | 100 Mbit/s |

Technical Data Side 1

| | |
|-----------------------------------|---|
| Product Sub Family: | M12 Standard |
| Type of Contact / Gender: | Pin Contact / Male |
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 4 |
| Coding: | D |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | 250V |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 75 °C |
| Protection Degree / IP Rating**: | IP68 |
| Design Standard: | IEC 61076-2-101 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material: | Copper and Tin (CuSn) |

| | |
|--------------------------------------|----------------------------------|
| Contact Plating: | Copper over Gold (Cu/Au) |
| Contact Bearer Material: | Thermoplastic Polyurethane (TPU) |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | Brass (Cu/Zn) |
| Attachment Plating: | Nickel (Ni) |
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |

Cable Data

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|---|--|
| Cable Number: | 806 |
| Conductor Size: | 24 AWG |
| Number of Wires: | 4 (2 twisted pairs) |
| Minimal Bending Radius (Fixed Inst): | .250" |
| Cycles (Bending): | > 2 M |
| Conductor material: | Cu |
| Cable Jacket Material: | Thermoplastic Elastomer (TPE) |
| Cable Jacket Color: | Teal |
| Cable Diameter D: | .275" |
| Wire Insulation Material: | PO |
| Insulated Wire Diameter: | .037" |
| Ambient Temperature (Fixed Installation): | -50°C + 75°C |
| UL Cable Type: | Cat 5e |
| Flammability Class (Cable Jacket): | UL: CMR / CSA: CMG |
| Core Colors: | White / Orange, White / Green, Orange, Green |

Technical Data Side 2

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|--|---|
| Product Sub Family, Side 2: | M12 Standard |
| Type of Contact / Gender, Side 2: | Socket Contact / Female |
| Connector Design, Side 2: | Straight |
| Attachment Type, Side 2: | Coupling Screw |
| Number of Pins, Side 2: | 4 |
| Coding, Side 2: | D |
| Contact Resistance, Side 2: | ≤ 10 mOhm |
| Insulation Resistance, Side 2: | > 10 ⁹ Ohm |
| Mating Cycles, Side 2: | ≤ 100 |
| Ambient Temperature (Operation), Side 2*: | - 40 °C - + 75 °C |
| Protection Degree / IP Rating, Side 2**: | IP68 |
| Design Standard, Side 2: | IEC 61076-2-101 |
| Pollution Degree, Side 2: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category, Side 2: | III acc. to DIN EN 60664-1 (VDE 0110-1) |
| Contact Base Material, Side 2: | Copper and Tin (CuSn) |
| Contact Plating, Side 2: | Copper over Gold (Cu/Au) |
| Contact Bearer Material, Side 2: | Thermoplastic Polyurethane (TPU) |
| Contact Bearer Color, Side 2: | Black |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB |
| Molded Body Material, Side 2: | Thermoplastic Polyurethane (TPU) |
| Molded Body Color, Side 2: | Black |
| Flammability Class (Molded Body), Side 2: | UL 94 HB |
| Attachment Material, Side 2: | Brass (Cu/Zn) |
| Attachment Plating, Side 2: | Nickel (Ni) |
| Fastening Torque (Attachment), Side 2: | M 12x1: (50-60) Ncm, hand-tight |

Safety & Environmental Compliance

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| RoHS Compliant: | yes |
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Notes

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| Protection Degree / IP Rating Note: | IP Rating tested according to IEC standard using combination of a Hirschmann or Lumberg Automation connector mounted and locked |
| Note Derating: | Notice derating |

History

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|----------------------|---|
| Update and Revision: | Revision Number: 0.30 Revision Date: 07-07-2025 |
|----------------------|---|

Variants

| Item # | Item Description | Cable Length |
|-----------|-------------------|--------------|
| 900004552 | 0985 806 102/0.3M | 0.3 m |
| 900004069 | 0985 806 102/0.5M | 0.5 m |
| 900004071 | 0985 806 102/1M | 1 m |
| 900004072 | 0985 806 102/2M | 2 m |
| 900005049 | 0985 806 102/3M | 3 m |
| 900005128 | 0985 806 102/4M | 4 m |
| 900004073 | 0985 806 102/5M | 5 m |
| 900005127 | 0985 806 102/6M | 6 m |
| 900016277 | 0985 806 102/7M | 7 m |
| 900005028 | 0985 806 102/8M | 8 m |
| 900004070 | 0985 806 102/10M | 10 m |
| 900004522 | 0985 806 102/15M | 15 m |
| 900004554 | 0985 806 102/20M | 20 m |
| 900005027 | 0985 806 102/25M | 25 m |
| 900004555 | 0985 806 102/30M | 30 m |
| 900004556 | 0985 806 102/35M | 35 m |
| 900004557 | 0985 806 102/40M | 40 m |
| 900004558 | 0985 806 102/45M | 45 m |
| 900004559 | 0985 806 102/50M | 50 m |
| 900004560 | 0985 806 102/60M | 60 m |
| 900004561 | 0985 806 102/70M | 70 m |
| 900004562 | 0985 806 102/80M | 80 m |

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