

Product: <u>0985 806 125</u> ☑

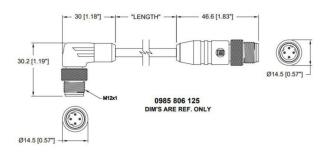


Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 male right angle to M12 male, straight, teal TPE jacket, 4-pin, 24 AWG, stranded/unshielded cable with 2 twisted bonded pairs.

Product Description

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

Technical Drawing



Face View: M12 Male

STANDARD WIRING

Color Code 1 = White Orange 2 = White Green 3 = Orange 4 = Green

Technical Specifications

Product Description

| 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: | Angled |
| 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

| 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

| Product Sub Family, Side 2: | M12 Standard |
|--|---|
| Type of Contact / Gender, Side 2: | Pin Contact / Male |
| 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 60603-7 |
| 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

| RoHS Compliant: | yes |
|-----------------|-----|

Notes

| 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

| Update and Revision: | Revision Number: 0.32 Revision Date: 07-07-2025 |
|----------------------|---|

Variants

| Variants | | |
|-----------|--------------------|--------------|
| Item # | Item Description | Cable Length |
| 900005231 | 0985 806 125/0.15M | 0.15 m |
| 900004248 | 0985 806 125/0.3M | 0.3 m |
| 900004190 | 0985 806 125/0.5M | 0.5 m |
| 900004590 | 0985 806 125/0.6M | 0.6 m |
| 900004193 | 0985 806 125/1M | 1 m |
| 900016375 | 0985 806 125/1.5M | 1.5 m |
| 900004195 | 0985 806 125/2M | 2 m |
| 900004591 | 0985 806 125/3M | 3 m |
| 900004396 | 0985 806 125/4M | 4 m |
| 900004201 | 0985 806 125/5M | 5 m |
| 900004592 | 0985 806 125/6M | 6 m |
| 900004593 | 0985 806 125/7M | 7 m |
| 900004594 | 0985 806 125/8M | 8 m |
| 900004595 | 0985 806 125/9M | 9 m |
| 900004191 | 0985 806 125/10M | 10 m |
| 900004596 | 0985 806 125/12M | 12 m |
| 900004597 | 0985 806 125/14M | 14 m |
| 900004192 | 0985 806 125/15M | 15 m |
| 900004598 | 0985 806 125/18M | 18 m |
| 900004194 | 0985 806 125/20M | 20 m |
| 900004599 | 0985 806 125/24M | 24 m |
| 900004600 | 0985 806 125/25M | 25 m |
| 900004601 | 0985 806 125/27M | 27 m |
| 900004196 | 0985 806 125/30M | 30 m |
| 900004197 | 0985 806 125/35M | 35 m |
| 900004198 | 0985 806 125/40M | 40 m |
| 900004199 | 0985 806 125/45M | 45 m |
| 900004200 | 0985 806 125/50M | 50 m |
| 900004602 | 0985 806 125/55M | 55 m |
| 900004202 | 0985 806 125/60M | 60 m |
| 900004603 | 0985 806 125/65M | 65 m |
| 900004203 | 0985 806 125/70M | 70 m |
| 900004604 | 0985 806 125/75M | 75 m |
| 900004204 | 0985 806 125/80M | 80 m |
| 900004605 | 0985 806 125/85M | 85 m |
| 900016546 | 0985 806 125/ 90M | 90 m |

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