

Product: <u>0985 806 104</u> ☑

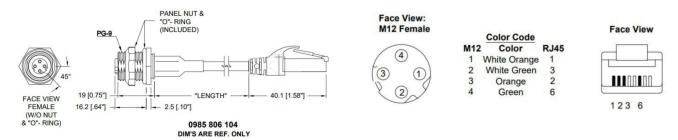


Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 female 4-pin, D-coded receptacle to male RJ45, 24 AWG, teal TPE jacket, stranded/unshielded with 2 bonded twisted pairs.

Product Description

Fast Ethernet Cat 5e, high-flex, double-ended cord set, M12 female 4-pin, D-coded receptacle to male RJ45, 24 AWG, teal TPE jacket, stranded/unshielded with 2 bonded twisted pairs.

Technical Drawing



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: | 30 V AC / 42 V DC |
| Rated Current*: | 1.5 A |
| Data Transmission: | Fast Ethernet Cat5e |
| Data Transmission Rate: | 100 Mbit/s |

Technical Data Side 1

| Product Sub Family: | M12 Overmolded Receptacle |
|-----------------------------------|---------------------------|
| Type of Contact / Gender: | Socket Contact / Female |
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 4 |
| Coding: | D |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | 250V |
| Mating Cycles: | ≤ 100 |
| Cable Gland: | PG 11 |
| Ambient Temperature (Operation)*: | - 20 °C - + 60 °C |
| Temperature Range (Gasket): | gasket see Accessories |
| Protection Degree / IP Rating**: | IP68 |

| Design Standard: | IEC 61076-2-101 |
|--------------------------------------|---|
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Clearance / Creepage Distance: | EN 60664-1 (2003/11); 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 |
| Housing Color: | see standard article |
| Attachment Material: | Brass (Cu/Zn) |
| Attachment Plating: | Nickel (Ni) |
| Gasket Material: | SBR/NBR, cable gland |
| Fastening Torque (Cable Gland): | PG11: (250-375) Ncm |
| 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: | RJ45 |
|--|---|
| Type of Contact / Gender, Side 2: | Pin Contact / Male |
| Connector Design, Side 2: | Straight |
| Attachment Type, Side 2: | Plug |
| 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*: | - 20 °C - + 60 °C |
| Protection Degree / IP Rating, Side 2**: | IP20 |
| 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: | Phosphorus / Copper and Tin (CuSn) |
| Contact Plating, Side 2: | Gold |
| Contact Bearer Material, Side 2: | Polycarbonate |
| Contact Bearer Color, Side 2: | Clear |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB |
| Molded Body Material, Side 2: | Elastomer Polyolefin |
| , 5.45 2. | |

| Molded Body Color, Side 2: | Clear |
|---|----------|
| Flammability Class (Molded Body), Side 2: | UL 94 HB |

Safety & Environmental Compliance

| RoHS Compliant: | yes |
|------------------|-----|
| Norto Compilant. | 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: 0.42 Revision Date: 07-07-2025 |
|----------------------|---|

Variants

| Item # | Item Description | Cable Length |
|-----------|-------------------|--------------|
| 900005080 | 0985 806 104/0.2M | 0.2 m |
| 900004465 | 0985 806 104/0.3M | 0.3 m |
| 900004088 | 0985 806 104/0.5M | 0.5 m |
| 900004855 | 0985 806 104/0.6M | 0.6 m |
| 900004093 | 0985 806 104/1M | 1 m |
| 900004095 | 0985 806 104/2M | 2 m |
| 900004466 | 0985 806 104/3M | 3 m |
| 900004467 | 0985 806 104/4M | 4 m |
| 900004096 | 0985 806 104/5M | 5 m |
| 900004097 | 0985 806 104/6M | 6 m |
| 900016293 | 0985 806 104/7M | 7 m |
| 900016432 | 0985 806 104/8M | 8 m |
| 900004089 | 0985 806 104/10M | 10 m |
| 900004090 | 0985 806 104/12M | 12 m |
| 900004091 | 0985 806 104/14M | 14 m |
| 900004468 | 0985 806 104/15M | 15 m |
| 900004092 | 0985 806 104/16M | 16 m |
| 900016235 | 0985 806 104/19M | 19 m |
| 900004094 | 0985 806 104/20M | 20 m |
| 900016282 | 0985 806 104/23M | 23 m |
| 900004469 | 0985 806 104/25M | 25 m |
| 900016236 | 0985 806 104/27M | 27 m |
| 900005023 | 0985 806 104/30M | 30 m |
| 900016237 | 0985 806 104/31M | 31 m |
| 900016178 | 0985 806 104/35M | 35 m |
| 900016242 | 0985 806 104/40M | 40 m |

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