



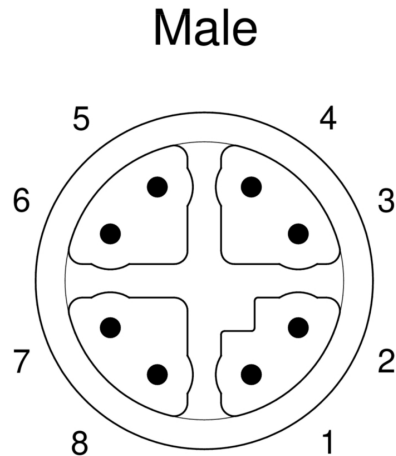
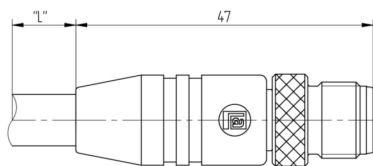
Product: [RSTS 8X-669](#)

Gigabit Ethernet Cat6 Data Single-Ended Cordset: M12 Standard, male, straight, 8-pin, X-coded, shielded, black body, 50 V AC / 60 V DC, 0.5 A; PUR green cable, 8-wires, 4x2x0.14 mm²

Product Description

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Technical Drawing



Technical Specifications

Face View

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8 |
|----------------|--------|---------------|-------|---------------|-------|--------------|-------|
| white (orange) | orange | white (green) | green | white (brown) | brown | white (blue) | blue |

Technical Data

| | |
|---------------------------|-----------------------|
| Product Family: | Data Connectors |
| Product Sub Family: | M12 Standard |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, single ended |
| Type of Contact / Gender: | Male |
| Connector Design: | Straight |
| Number of Pins: | 8 |
| Coding: | X |
| Shielding: | Shielded |
| Attachment Type: | Coupling Screw |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 0.8 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 0.5 A |
| Data Transmission: | Gigabit Ethernet Cat6 |
| Data Transmission Rate: | 10 Gbit/s |

| | |
|-----------------------------------|--|
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 40 °C - + 80 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| Design Standard: | IEC 61076-2-109 |
| Pollution Degree: | 3 acc. to DIN EN 60664-1 (VDE 0110-1) |
| Overvoltage Category: | II acc. to DIN EN 60664-1 (VDE 0110-1) |

Materials

| | |
|--------------------------------------|----------------------|
| Contact Base Material: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | PA |
| Contact Bearer Color: | Black |
| Flammability Class (Contact Bearer): | UL 94 V-0 |
| Molded Body Material: | PA |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 V-0 |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| Shielding Material: | GD-Zn, nickel-plated |

Additional Technical Data

| | |
|--------------------------------|---------------------------------|
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
|--------------------------------|---------------------------------|

Cable Data

| | |
|---|---|
| Cable Number: | 669 |
| Conductor Size: | 4x2x0.14 mm² |
| Number of Wires: | 8 |
| Minimal Bending Radius (Fixed Inst): | > 8 x D |
| Minimal Bending Radius (Flexible Inst): | > 15 x D |
| Cycles (Bending): | > 1 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | green matt similarly RAL 6018 |
| Cable Diameter D: | ø 7.9 ± 0.3 mm |
| Wire Insulation Material: | PVC |
| Insulated Wire Diameter: | ø 1.04 mm |
| Overall Shield (Cable): | Cu-ETP1 tinned |
| Ambient Temperature (Fixed Installation): | - 40 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | - 10 °C - + 70 °C |
| UL Cable Type: | cURus acc. With Type CMX 75 °C |
| Flammability Class (Cable Jacket): | VW-1 acc. to UL 1581 section 1080, single cable fire test acc. to IEC 60332-1-2; non fire propagating |
| Cable Characteristics: | Exclusion of dangerous materials |
| Core Colors: | Twisted pairs: white & blue, white & orange, white & green, white & brown |

Safety & Environmental Compliance

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

Resistances

| | |
|--------------|-----|
| Halogenfree: | yes |
|--------------|-----|

Notes

| | |
|-------------------------------------|--|
| Note Derating: | Notice derating |
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note: | Do not connect or disconnect under load. |

Variants

| Item # | Item Description | Cable Length |
|-----------|------------------|--------------|
| 934809017 | RSTS 8X-669/2 M | 2 m |
| 934809018 | RSTS 8X-669/5 M | 5 m |
| 934809019 | RSTS 8X-669/10 M | 10 m |
| 934809020 | RSTS 8X-669/15 M | 15 m |

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