




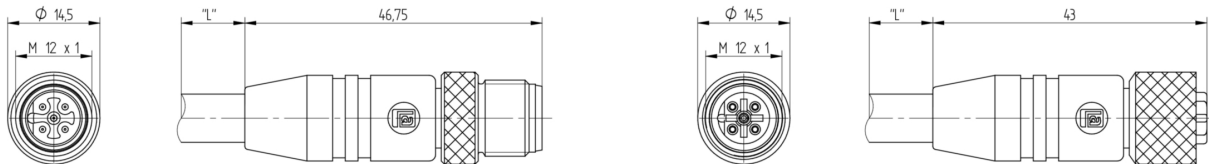
Product:
[0975 254 101](#)


PROFIBUS Data Double-Ended Cordset: Male straight B-coded black M12 Standard to female straight B-coded black M12 Standard, shielded, 50 V AC / 60 V DC, 4 A; PUR violet cable, 2-wires, 0.34 mm²

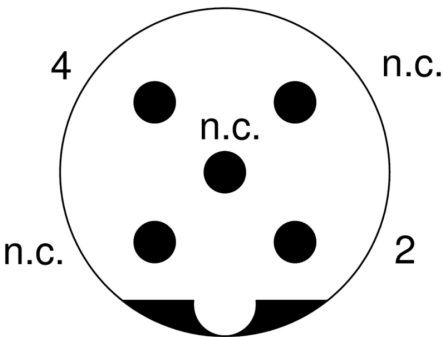
Product Description

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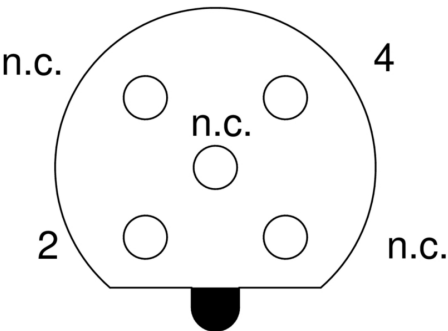
Technical Drawing



Male



Female



Technical Specifications

Face View Side 1

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 |
|-------|-------|-------|-------|-------|
| n.c. | green | n.c. | red | n.c. |

Face View Side 2

| Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 |
|-------|-------|-------|-------|-------|
| n.c. | green | n.c. | red | n.c. |

Product Description

| | |
|------------------------|-----------------------|
| Product Family: | Data Connectors |
| Brand: | Lumberg Automation |
| Connector Type: | Cordset, double ended |
| Shielding: | Shielded |
| Rated Voltage: | 60 V |
| Rated Impulse Voltage: | 1.5 kV |
| Operating Voltage: | 50 V AC / 60 V DC |
| Rated Current*: | 4 A |
| Data Transmission: | PROFIBUS |

Technical Data Side 1

| | |
|--------------------------------------|--|
| Product Sub Family: | M12 Standard |
| Type of Contact / Gender: | Male |
| Connector Design: | Straight |
| Attachment Type: | Coupling Screw |
| Number of Pins: | 5 |
| Coding: | B |
| Contact Resistance: | ≤ 10 mOhm |
| Insulation Resistance: | > 10 ⁹ Ohm |
| Mating Cycles: | ≤ 100 |
| Ambient Temperature (Operation)*: | - 25 °C - + 80 °C |
| Protection Degree / IP Rating**: | IP65, IP67 |
| 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: | CuZn |
| Contact Plating: | Cu/Au |
| Contact Bearer Material: | TPU-GF |
| Contact Bearer Color: | Violett |
| Flammability Class (Contact Bearer): | UL 94 HB |
| Molded Body Material: | TPU |
| Molded Body Color: | Black |
| Flammability Class (Molded Body): | UL 94 HB |
| Attachment Material: | CuZn |
| Attachment Plating: | Nickel-plated |
| Shielding Material: | CuZn, tin-plated |
| Fastening Torque (Attachment): | M 12x1: (50-60) Ncm, hand-tight |
| Note: | Do not connect or disconnect under load. |

Cable Data

| | |
|---|--------------------------------|
| Cable Number: | 254 |
| Conductor Size: | 0.34 mm² |
| Number of Wires: | 2 |
| Minimal Bending Radius (Fixed Inst): | > 5 x D |
| Minimal Bending Radius (Flexible Inst): | > 10 x D |
| Cycles (Bending): | > 1 M |
| Conductor material: | Cu |
| Cable Jacket Material: | PUR |
| Cable Jacket Color: | violet matt similarly RAL 4001 |
| Cable Diameter D: | ø 7.60 ± 0.30 mm |
| Wire Insulation Material: | PE |

| | |
|---|---|
| Insulated Wire Diameter: | ø 2.60 ± 0.05 mm |
| Overall Shield (Cable): | Cu-ETP1 tinned |
| Foil shield: | Al-PT Foil |
| Ambient Temperature (Fixed Installation): | - 50 °C - + 80 °C |
| Ambient Temperature (Flex Installation): | - 25 °C - + 80 °C |
| Ambient Temperature (Drag Chain Inst): | - 25 °C - + 60 °C |
| UL Cable Type: | AWM: 20549 |
| Flammability Class (Cable Jacket): | DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2, flame-retardant |
| Cable Characteristics: | Exclusion of dangerous materials; Line fulfills the transmission values RS485 (Type A) of the PROFIBUS user organization; Free of lacquer wetting disturbing substances; Good microbes and hydrolysis resistance Mainly plasticizer diffusion free; Good chemical and oil resistance; Exclusion of PVC and Silicone; Coldness flexibility |
| Core Colors: | red, green |

Technical Data Side 2

| | |
|--|---|
| Product Sub Family, Side 2: | M12 Standard |
| Type of Contact / Gender, Side 2: | Female |
| Connector Design, Side 2: | Straight |
| Attachment Type, Side 2: | Coupling Nut |
| Number of Pins, Side 2: | 5 |
| Coding, Side 2: | B |
| Contact Resistance, Side 2: | ≤ 10 mOhm |
| Insulation Resistance, Side 2: | > 10 ⁹ Ohm |
| Mating Cycles, Side 2: | ≤ 100 |
| Ambient Temperature (Operation), Side 2*: | - 25 °C - + 80 °C |
| Protection Degree / IP Rating, Side 2**: | IP65, IP67 |
| 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: | CuZn |
| Contact Plating, Side 2: | Cu/Au |
| Contact Bearer Material, Side 2: | TPU |
| Contact Bearer Color, Side 2: | Violett |
| Flammability Class (Contact Bearer), Side 2: | UL 94 HB |
| Molded Body Material, Side 2: | TPU |
| Molded Body Color, Side 2: | Black |
| Flammability Class (Molded Body), Side 2: | UL 94 HB |
| Attachment Material, Side 2: | CuZn |
| Attachment Plating, Side 2: | Nickel-plated |
| Shielding Material, Side 2: | CuZn, tin-plated |
| Fastening Torque (Attachment), Side 2: | M 12x1: (50-60) Ncm, hand-tight |

Safety & Environmental Compliance

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

Resistances

| | |
|--------------|---|
| Halogenfree: | DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1 |
|--------------|---|

Notes

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|-------------------------------------|--|
| Protection Degree / IP Rating Note: | ** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector. |
| Note Derating: | Notice derating |

History

Variants

| Item # | Item Description | Cable Length |
|-----------|--------------------|--------------|
| 11015 | 0975 254 101/0,3 M | 0.3 m |
| 27826 | 0975 254 101/0,5 M | 0.5 m |
| 51066 | 0975 254 101/0,6 M | 0.6 m |
| 11016 | 0975 254 101/1 M | 1 m |
| 11017 | 0975 254 101/1,5 M | 1.5 m |
| 11018 | 0975 254 101/2 M | 2 m |
| 73795 | 0975 254 101/2,5 M | 2.5 m |
| 12589 | 0975 254 101/3 M | 3 m |
| 26569 | 0975 254 101/4 M | 4 m |
| 11019 | 0975 254 101/5 M | 5 m |
| 27870 | 0975 254 101/6 M | 6 m |
| 29275 | 0975 254 101/7 M | 7 m |
| 57771 | 0975 254 101/7,5 M | 7.5 m |
| 57135 | 0975 254 101/8 M | 8 m |
| 67766 | 0975 254 101/9 M | 9 m |
| 27086 | 0975 254 101/10 M | 10 m |
| 6458 | 0975 254 101/11 M | 11 m |
| 45738 | 0975 254 101/12 M | 12 m |
| 62186 | 0975 254 101/13 M | 13 m |
| 6459 | 0975 254 101/14 M | 14 m |
| 28406 | 0975 254 101/15 M | 15 m |
| 67753 | 0975 254 101/17 M | 17 m |
| 67754 | 0975 254 101/18 M | 18 m |
| 47927 | 0975 254 101/20 M | 20 m |
| 14617 | 0975 254 101/22 M | 22 m |
| 67830 | 0975 254 101/24 M | 24 m |
| 47822 | 0975 254 101/25 M | 25 m |
| 67831 | 0975 254 101/26 M | 26 m |
| 934636772 | 0975 254 101/27 M | 27 m |
| 47823 | 0975 254 101/30 M | 30 m |
| 47824 | 0975 254 101/35 M | 35 m |
| 934636773 | 0975 254 101/37 M | 37 m |
| 47923 | 0975 254 101/40 M | 40 m |
| 934636774 | 0975 254 101/42 M | 42 m |
| 47925 | 0975 254 101/45 M | 45 m |
| 47926 | 0975 254 101/50 M | 50 m |
| 3112 | 0975 254 101/55 M | 55 m |
| 107723 | 0975 254 101/70 M | 70 m |

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