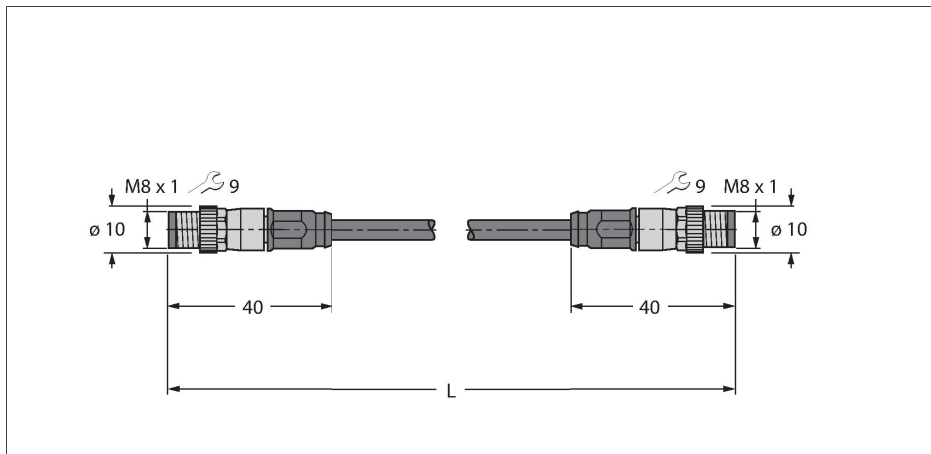


# PSGS4M-PSGS4M-4414-7M

## Industrial Ethernet Cable – Connection Cable



### Technical data

|                              |                                                              |
|------------------------------|--------------------------------------------------------------|
| Type                         | PSGS4M-PSGS4M-4414-7M                                        |
| ID                           | 100000781                                                    |
| Connector A                  | Male, M8 × 1, Straight                                       |
| Number of pins               | 4                                                            |
| Contacts                     | Metal, CuZn, Gold-plated                                     |
| Contact carriers             | PA, UL 94, Black                                             |
| Connector body               | Plastic, TPU, UL 94, Black                                   |
| Coupling nut/screw           | Zinc, GD-Zn, Nickel-plated                                   |
| Tightening torque (range)    | 0.4 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan          | > 100 Mating cycles                                          |
| Pollution degree             | 3/2                                                          |
| Protection class             | IP67, Only in screwed condition                              |
| Connector B                  | Male, M8 × 1, Straight                                       |
| Number of Pins               | 4                                                            |
| Contacts                     | Metal, CuZn, Gold-plated                                     |
| Contact carriers             | Plastic, PA, UL 94, Black                                    |
| Connector body               | Plastic, TPU, UL 94, Black                                   |
| Coupling nut/retaining screw | Die-cast Zinc, GD-Zn, Nickel-plated                          |
| Tightening torque            | 0.4 ... 0.6 Nm (observe max. torque of mating connector!)    |
| Mechanical life              | > 100 Mating cycles                                          |
| Pollution degree             | 3/2                                                          |
| Protection class             | IP67, Only when screwed together                             |
| Cable                        |                                                              |
| Network protocol             | Ethernet, 4414                                               |
| Cable diameter               | Ø 4.8 mm ±0.30                                               |

### Features



- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shielding: aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV resistant
- Oil resistant acc. to IEC 60811-2-1 and DIN VDE 0282 part 10
- Free from silicone, PVC and LABS
- Free from halogen acc. to IEC 60754-2
- Flame retardant acc. to IEC 60332-1-2
- Approval: cULus
- RoHS compliant
- Protection class IP67
- M8 male connector, straight
- M8 male connector, straight
- Cable length: 7.0 m

### Cable Cross-Section

Technical data

|                                          |                                   |
|------------------------------------------|-----------------------------------|
| Cable length                             | 7 m                               |
| Cable jacket                             | PUR, Green                        |
| Shielding                                | Aluminum foil, tinned copper wire |
| Core insulation                          | PP                                |
| Core cross-section                       | 4 x 0.15 mm <sup>2</sup>          |
| Arrangement of strands                   | 19 x 0.102 mm                     |
| Core colors                              | WHOG, WHBU, BU, OG                |
| Electrical properties at +20 °C          |                                   |
| Rated voltage                            | 42 V                              |
| Test voltage                             | 700 V                             |
| Current                                  | 3 A                               |
| Nom. impedance                           | 100 Ω (1MHZ)                      |
| Nom. capacitance                         | 51 pF/m                           |
| Mechanical and chemical properties       |                                   |
| Bending radius (stationary installation) | ≥ 15 x Ø                          |
| Bending cycles                           | ≥ 5 million                       |
| Torsional stress                         | ± 30 °/m                          |
| Torsion cycles                           | Max. 100,000                      |
| Ambient temperature (fixed)              | -40...+80 °C                      |
| Ambient temperature (mobile)             | -25...+80 °C                      |
| Other Features                           |                                   |
| Qualified for drag chain use             | yes                               |
| Halogen-free                             | yes                               |
| Silicone-free                            | yes                               |
| PVC-free                                 | yes                               |
| Resistant to weld splatter               | yes                               |
| Resistant to chemicals                   | yes                               |
| UV resistance                            | yes                               |
| Oil-resistant                            | yes                               |
| Flame-retardant                          | yes                               |
| Approvals                                | cULus                             |



Contact assignment



Circuit Diagram

