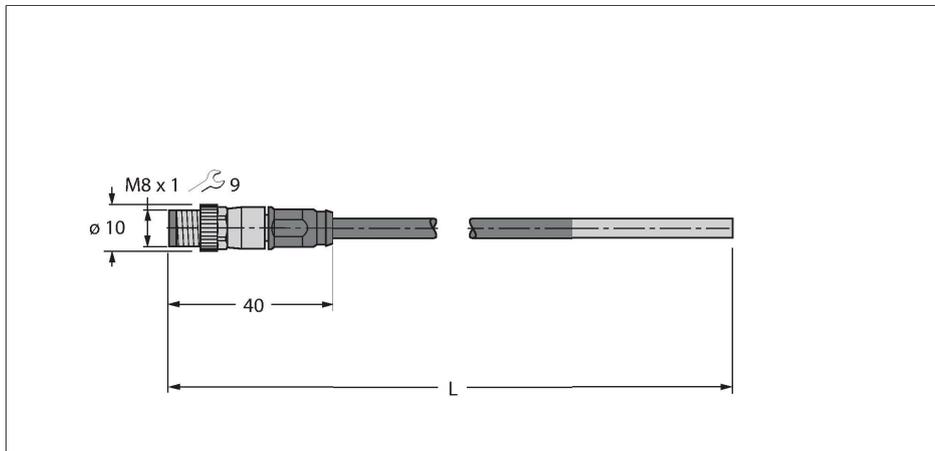


# PSGS4M-4414-10M

## Industrial Ethernet Cable – Connection Cable



### Technical data

|                                 |  |
|---------------------------------|--|
| Type                            | PSGS4M-4414-10M  |
| ID                              | 6933305  |
| 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                              |
| Cable                           |  |
| Network protocol                | Ethernet, 4414   |
| Cable diameter                  | Ø 4.8 mm ±0.30   |
| Cable length                    | 10 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  |

### Features

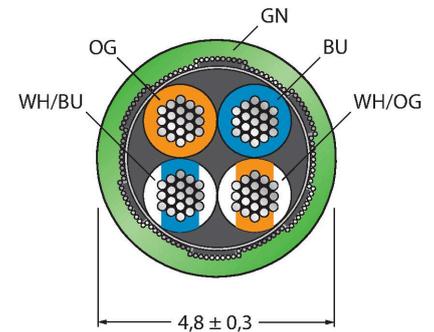


- M8 male connector, straight
- End open
- Ethernet cable: 4-pin, AWG 26
- CAT 5E acc. to ISO/IEC 11801, EN 50173, EIA/TIA 568-A
- Jacket material: PUR
- Jacket color: green
- Shielding: Aluminum-laminated polyester film, copper braid
- Jacket diameter: 4.8 mm
- Suitable for drag chain use
- UV resistant
- 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
- Cable length: 10 m

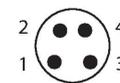
### Cable Cross-Section

## Technical data

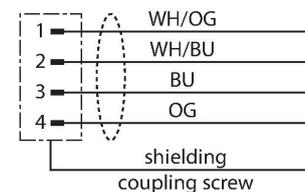
|   |                  |
|---|------------------|
| Nom. impedance                            | 100 Ω (1MHZ)     |
| Nom. capacitance                          | 51 pF/m          |
| <b>Mechanical and chemical properties</b> |                  |
| Bending radius (stationary installation)  | ≥ 15 x Ø         |
| Bending cycles                            | ≥ 5 million      |
| Torsional stress                          | ± 30 °/m         |
| Torsion cycles                            | ≤ 100,000 Cycles |
| Ambient temperature range (stationary)    | -40...+80 °C     |
| Ambient temperature range (In motion)     | -25...+80 °C     |
| <b>Other Features</b>                     |                  |
| 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



## Accessories

| Dimension drawing | Type                    | ID        |  |
|-------------------|-------------------------|-----------|--|
|                   | FW-M8ST4-G-SB-ME-SH-6.5 | 6935010   |  |
|                   | FW-RRSSP0822-IE-I-0510  | 100034569 | Field-wireable male connector, RJ45, straight, 8-pin, IDC connection, cable feedthrough 5.5 mm to 10.0 mm, core cross-section/terminal capacity 0.14 mm <sup>2</sup> to 0.34 mm <sup>2</sup> , metal housing; CAT6A (10 Gigabit Ethernet acc. to IEEE 802.3an) |
|                   | FW-RWSSP0822-IE-I-0510  | 100034570 | Field-wireable male connector, RJ45, angled, 8-pin, IDC connection, cable feedthrough 5.5 mm to 10.0 mm, core cross-section/terminal capacity 0.14 mm <sup>2</sup> to 0.34 mm <sup>2</sup> , metal housing; CAT6A (10 Gigabit Ethernet acc. to IEEE 802.3an)   |