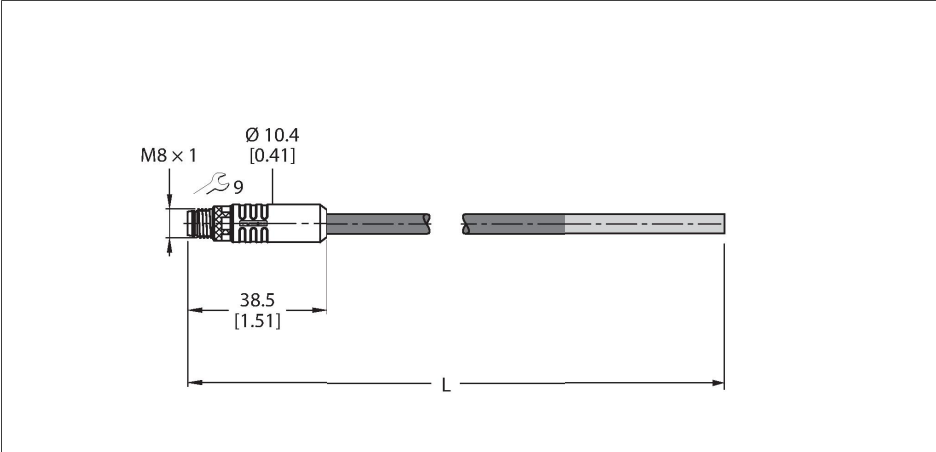


# PSGS4M-4422-2M

## Industrial Ethernet Cable



### Technical data

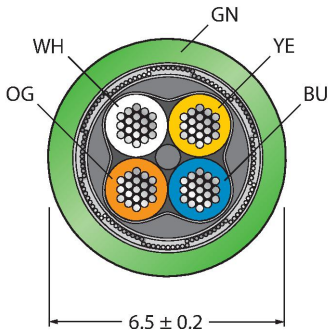
|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Type                            | PSGS4M-4422-2M                                               |
| ID                              | 6635227                                                      |
| 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                                                     |
| Cable diameter                  | Ø 6.5 mm ±0.20                                               |
| Cable length                    | 2 m                                                          |
| Cable jacket                    | PUR, Green                                                   |
| Shielding                       | Aluminum foil, tinned copper wire                            |
| Core insulation                 | TPE-O                                                        |
| Core cross-section              | 4 x 0.32 mm <sup>2</sup>                                     |
| Arrangement of strands          | 7 x 0.25 mm                                                  |
| Core colors                     | WH, YE, BU, OG                                               |
| Electrical properties at +20 °C |                                                              |
| Rated voltage                   | 30 V                                                         |
| Test voltage                    | 2000 V                                                       |
| Current                         | 4 A                                                          |

### Features



- Ethernet cable: 4-pin, AWG 22
- CAT 5E
- Jacket material: PUR
- Jacket color: green
- Shielding: overlapping aluminum foil, tinned copper wire
- Jacket diameter: 6.5 mm
- Suitable for drag chain use
- Oil resistant acc. to IEC 60811-2-1 and UL13
- Halogen free acc. to IEC 60754
- Flame retardant acc. to IEC 60332-1-2 and UL FT2, UN/ECE R118
- RoHS compliant
- PNO compliant
- UL
- M8 male connector, straight
- Cable length: 2.0 m

### Cable Cross-Section



Technical data

|                                          |              |
|------------------------------------------|--------------|
| DC resistance (loop)                     | 120 Ω/km     |
| Nom. impedance                           | 100 Ω (1MHZ) |
| Nom. capacitance                         | 50 pF/m      |
| Mechanical and chemical properties       |              |
| Bending radius (stationary installation) | ≥ 5 x Ø      |
| Bending radius (flexible use)            | ≥ 15 x Ø     |
| Bending cycles                           | ≥ 5 million  |
| Torsional stress                         | ± 180 °/m    |
| Torsion cycles                           | Max. 100,000 |
| Ambient temperature (fixed)              | -40...+80 °C |
| Ambient temperature (mobile)             | -30...+80 °C |
| Other Featues                            |              |
| Qualified for drag chain use             | yes          |
| Halogen-free                             | yes          |
| PVC-free                                 | yes          |
| UV resistance                            | yes          |
| Oil-resistant                            | yes          |
| Flame-retardant                          | yes          |
| Approvals                                | UL Listed    |

Contact assignment



Circuit Diagram

