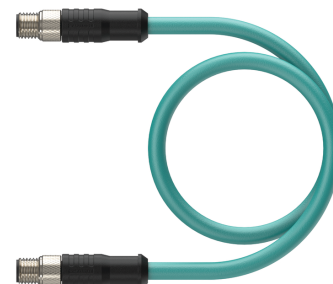
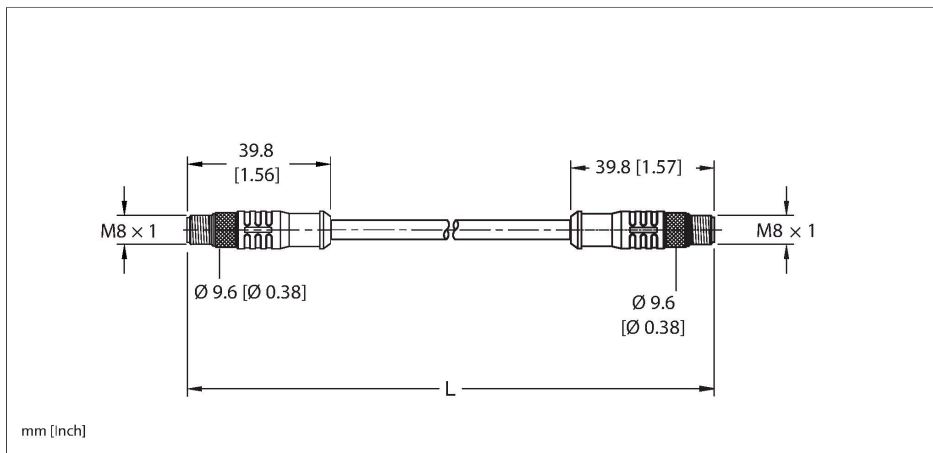


# PSGS 4M PSGS 4M 4413-\*M

## Industrial Ethernet Cable – Extension Cable



### Technical data

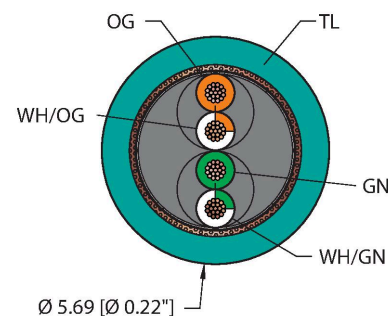
|                                 |                                                           |
|---------------------------------|-----------------------------------------------------------|
| Type                            | PSGS 4M PSGS 4M 4413-*M                                   |
| ID                              | 777029019                                                 |
| Connector A                     | Male, M8 × 1, Straight                                    |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP68                                                      |
| Connector B                     | Male, M8 × 1, Straight                                    |
| Design specification            | Acc. to IEC 61076-2-104                                   |
| Number of contacts              | 4                                                         |
| Contacts                        | Brass, CuZn, Gold-plated                                  |
| Contact carriers                | Plastic, Nylon or TPU, Black                              |
| Connector body                  | Plastic, TPU, Yellow                                      |
| Coupling nut                    | Brass, CuZn, Nickel-plated                                |
| Tightening torque               | 0.4 ... 0.8 Nm<br>(note max. torque of mating connector!) |
| Mechanical life                 | > 100 Mating cycles                                       |
| Pollution degree                | 3                                                         |
| Protection class (When coupled) | IP68                                                      |

### Features



- M8, Male, Straight, 4-pin
- Threaded Connector
- M8, Male, Straight, 4-pin
- Threaded Connector
- Shielded to coupling nut
- Industrial Ethernet Cable
- TPU jacket, Teal, shielded, 2UTPX26
- AWG-40 Cold Bend Rating
- Flexlife® and C-Track Approved

### Cable cross section



### Contact assignment

## Technical data

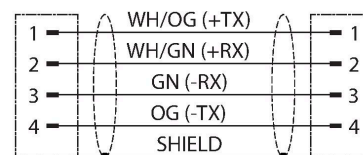
| Cable data                          |                                                                                      |
|-------------------------------------|--------------------------------------------------------------------------------------|
| Cable ID                            | RF52602                                                                              |
| Fieldbus                            | Ethernet, 4413/4410                                                                  |
| Total number of conductors          | 4                                                                                    |
| Cable diameter                      | Ø 5.69 mm                                                                            |
| Cable jacket                        | TPU, Teal                                                                            |
| Shielding                           | Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 75% coverage                   |
| Conductor material                  | TC (tinned copper)                                                                   |
| Conductor size                      | 4                                                                                    |
| Conductor colors                    | OG, WH/OG, GN, WH/GN                                                                 |
| Sub assembly 1                      |                                                                                      |
| Description of assembly             | UTP (Unshielded Twisted Pair)                                                        |
| Number of pairs                     | 2                                                                                    |
| Conductor diameter                  | 0.037 "                                                                              |
| Conductor insulation material       | HDPE                                                                                 |
| Cable conductor cross-section       | 2x26 AWG [Similar to 0.14 mm²]                                                       |
| Number of strands x O.D.            | 19x38 AWG                                                                            |
| Electrical properties at +20 °C     |                                                                                      |
| Rated voltage                       | 60 VAC/DC                                                                            |
| Current                             | 1.5 A                                                                                |
| Mechanical and chemical properties  |                                                                                      |
| Bending radius (static)             | ≥ 4 x Ø                                                                              |
| Bending radius (dynamic)            | ≥ 10 x Ø                                                                             |
| Bending radius (C-track)            | ≥ 4 In.                                                                              |
| Bending cycles (C-track)            | 15 Million *                                                                         |
| Torsional stress                    | ± 360 °/m                                                                            |
| Torsion rating                      | Max. 5 million                                                                       |
| Torsional stress                    | 52 Cycles/min                                                                        |
| UL cold bend rating                 | -40 °C                                                                               |
|                                     | *When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second. |
| C-Track                             | Yes                                                                                  |
| Ambient temperature range (static)  | -40...+80 °C                                                                         |
| Ambient temperature range (dynamic) | 5...+80 °C                                                                           |
| Temperature range (installation)    | -10...+80 °C                                                                         |
| Approval                            |                                                                                      |
| Approvals                           | RoHS                                                                                 |

Connector A

Connector B



## Circuit Diagram



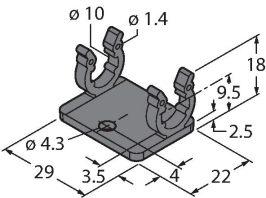
Technical data

CE

| Note |                                                                                                                                                                                      |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | - Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius. |
|      | - We reserve the right to make technical alterations without prior notice.                                                                                                           |

Accessories

|                                    |           |
|------------------------------------|-----------|
| M8-CORDSETS-MOUNTING-CLIP-(10/BAG) | 200005995 |
|------------------------------------|-----------|



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.