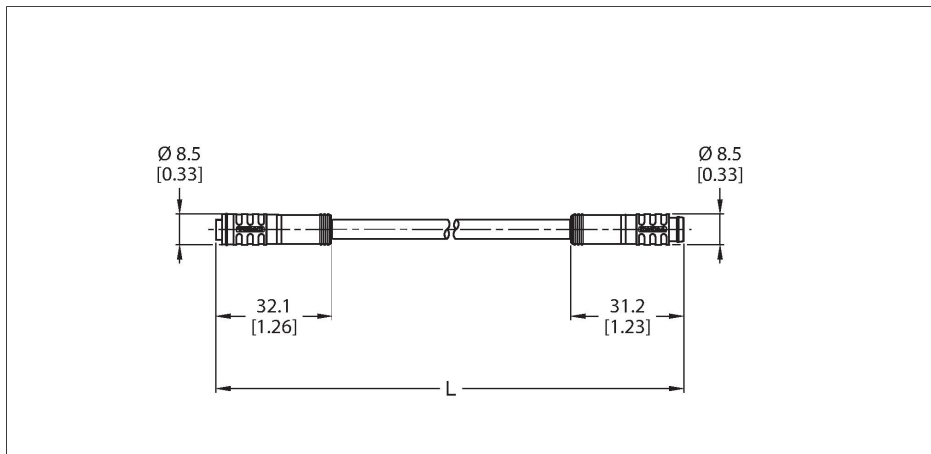


# PKG4.5S-1.6-PSG4.5S/TXL

## Actuator and Sensor Cable, PUR – Extension Cable



### Technical data

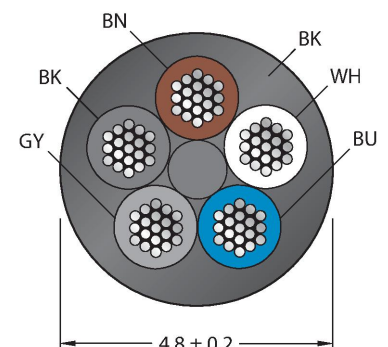
|                           |                                                              |
|---------------------------|--------------------------------------------------------------|
| Type                      | PKG4.5S-1.6-PSG4.5S/TXL                                      |
| ID                        | 6634986                                                      |
| Connector A               | Female, Ø 8 mm, Straight, B-coded                            |
| Number of Pins            | 5                                                            |
| Contacts                  | Brass, CuZn, Gold-plated                                     |
| Contact carriers          | Plastic, TPU, Black                                          |
| Connector body            | Plastic, TPU, Black                                          |
| Seal                      | Plastic, FPM/FKM                                             |
| Tightening torque (range) | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical lifespan       | > 100 Mating cycles                                          |
| Pollution degree          | 3                                                            |
| Protection class          | IP67, (plugged)                                              |
| Connector B               | Male, Ø 8 mm, Straight, B-coded                              |
| Number of pins            | 5                                                            |
| Contacts                  | Brass, CuZn, Gold-plated                                     |
| Contact carriers          | Plastic, TPU, Black                                          |
| Connector body            | Plastic, TPU, Black                                          |
| Tightening torque         | 0.5 ... 0.6 Nm<br>(observe max. torque of mating connector!) |
| Mechanical life           | > 100 Mating cycles                                          |
| Pollution degree          | 3                                                            |
| Protection class          | IP67, (Plugged)                                              |
| Cable                     |                                                              |
| Cable diameter            | Ø 4.8 mm ±0.20                                               |
| Cable length              | 1.6 m                                                        |
| Cable jacket              | PUR, Black                                                   |

### Features



- Female Ø 8 mm, straight, 5-pin, snap-on type
- Ø 8 mm male, straight, 5-pin, snap-on type
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 1.6 m

### Cable Cross-Section



### Contact assignment

Technical data

|                                                 |                              |
|-------------------------------------------------|------------------------------|
| Core insulation                                 | PP                           |
| Core cross-section                              | 5 x 0.34 mm <sup>2</sup>     |
| Arrangement of strands                          | 42 x 0.1 mm                  |
| Core colors                                     | BN, WH, BU, BK, GY           |
| Electrical properties at +20 °C                 |                              |
| Rated voltage                                   | 50 V                         |
| Test voltage                                    | 2000 V                       |
| Current                                         | 4 A                          |
| Insulation resistance                           | > 30.5 MΩ/km                 |
| forward resistance                              | max. 57 Ω/km                 |
| Mechanical and chemical properties              |                              |
| Bending radius (stationary installation)        | ≥ 5 x Ø                      |
| Bending radius (flexible use)                   | ≥ 10 x Ø                     |
| Bending cycles                                  | ≥ 5 million                  |
| Admissible acceleration                         | max. 5 m/s <sup>2</sup>      |
| Admissible travel path, horizontal              | 5 m (at 5 m/s <sup>2</sup> ) |
| Admissible travel path, vertical                | 2 m (at 5 m/s <sup>2</sup> ) |
| Admissible traversing speed                     | 3.3 m/s                      |
| Torsional stress                                | ± 180 °/m                    |
| Ambient temperature range (stationary)          | -50...+80 °C                 |
| Ambient temperature range (In motion)           | -25...+80 °C                 |
| Ambient temperature during drag chain operation | -25...+60 °C                 |



Circuit Diagram



Accessories

|                                                                                                                       |         |
|-----------------------------------------------------------------------------------------------------------------------|---------|
| TORQUE-WRENCH-SET-AS                                                                                                  | 6936170 |
| Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14) |         |

|                                                                                                                                         |         |
|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| BLANK-LABEL-FOR-CORDSETS-TEL-TXL                                                                                                        | 6936206 |
| Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant |         |



Accessories

| Dimension drawing | Type                  | ID        |                                                                                                                                                                            |
|-------------------|-----------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                   | LABEL-HOLDER-FLEX-PVC | 100048170 | PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 x 18 mm; delivery unit: 50 pcs. per package |