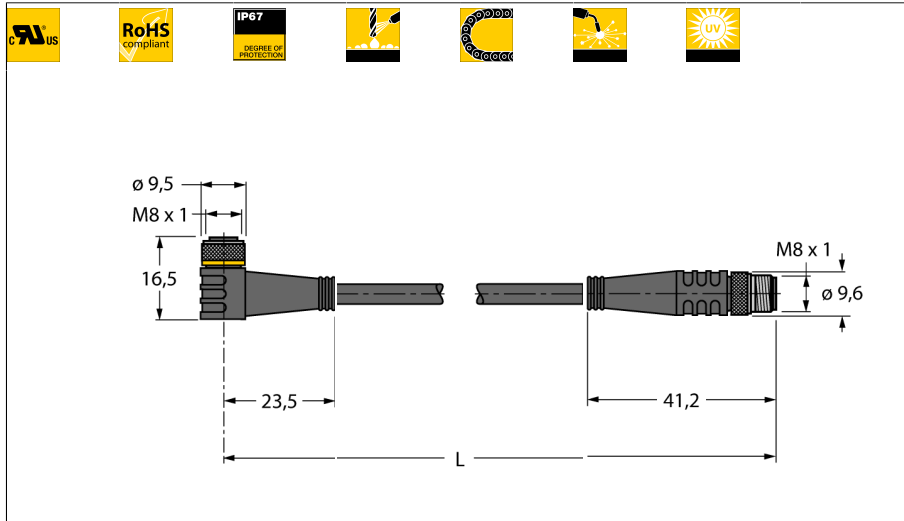


**Actuator/sensor cable, PUR
extension cable
PKW3M-0,3-PSG3M/TXL**

TURCK

Industrial
Automation



- Female M8, angled, 3-pin
- Male M8, straight, 3-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly abrasion resistant
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 0.3 m

Type code PKW3M-0,3-PSG3M/TXL
Ident no. 6627098

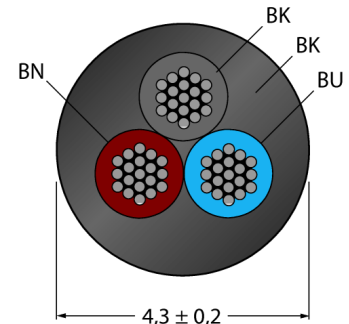
Connector A side
Number of pins female, M8x1, angled
3 pins
Contacts metal, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip plastic, TPU, black
Coupling nut/screw metal, CuZn, nickel-plated
Seal plastic, FKM/FPM
Protection class IP67, A + B side screwed together
Mechanical lifespan > 100 mating cycles
Pollution degree 3
Tightening torque 0.5 ... 0.6 Nm
(observe max. torque of counter piece!)

Connector B side
Number of pins male connector, M8x1, straight
3 pins
Contacts metal, CuZn, gold-plated
Contact carriers plastic, TPU, black
Grip plastic, TPU, black
Coupling nut/screw metal, CuZn, nickel-plated
Protection class IP67, only in screwed state
Mechanical lifespan > 100 contact durability
Pollution degree 3
Tightening torque 0.5 ... 0.6 Nm
(observe max. torque of counter piece!)

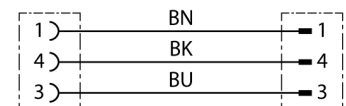
General data
Cable diameter Ø 4.3 Ø +/-0.20mm
Cable length 0.3 m
Cable material PUR
Color cable blue
Core insulation (colors) PP (BN, BU, BK)
Core cross-section 3x0.34mm²
Litz wire arrangement 42x0.1 mm

Electrical features at +20 °C
Rated current 4 A
Rated voltage [U_{max}] 60 V
Insulation resistance > 30.5 MΩ/km
Test voltage 2000 V
Forward resistance max. 57 Ω/km

Conductor cross-section



circuit diagram



**Actuator/sensor cable, PUR
extension cable
PKW3M-0,3-PSG3M/TXL**

TURCK

Industrial
Automation

Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 5 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature	
stationary	-50 ... 80°C
In motion	-25 ... 80°C
drag chain operation	-25 ... 60°C