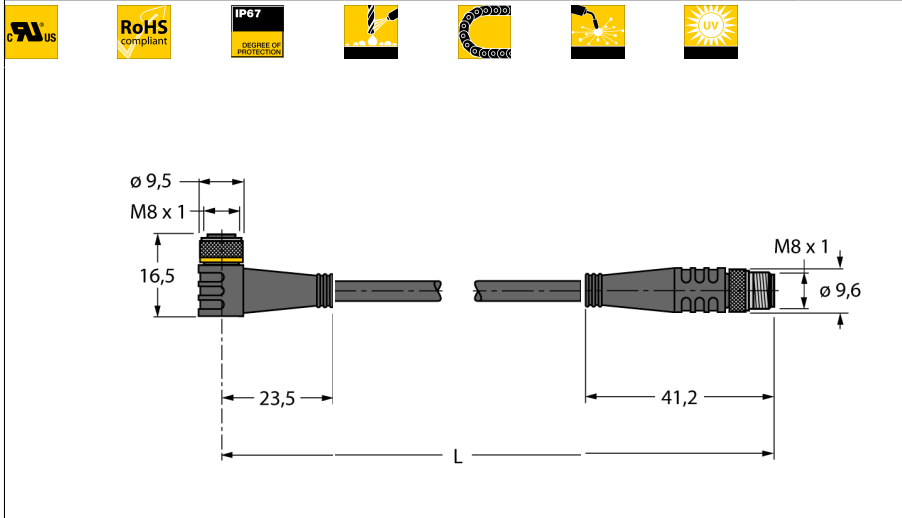


Actuator/sensor cable, PUR
extension cable
PKW3M-1-PSG3M/TXL

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: 1.0 m

Type code

PKW3M-1-PSG3M/TXL

Ident no.

6627110

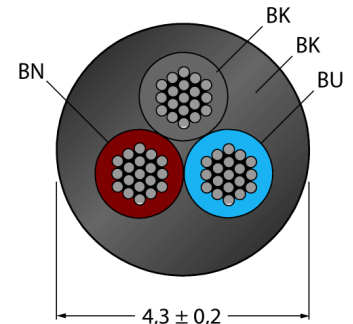
Connector A side

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

Connector B side

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

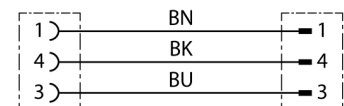
Conductor cross-section



General data

Cable diameter	Ø 4.3 Ø +/-0.20mm
Cable length	1 m
Cable material	PUR
Color cable	blue
Core insulation (colors)	PP (BN, BU, BK)
Core cross-section	3x0.34mm ²
Litz wire arrangement	42x0.1 mm

circuit diagram



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

**Actuator/sensor cable, PUR
extension cable
PKW3M-1-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