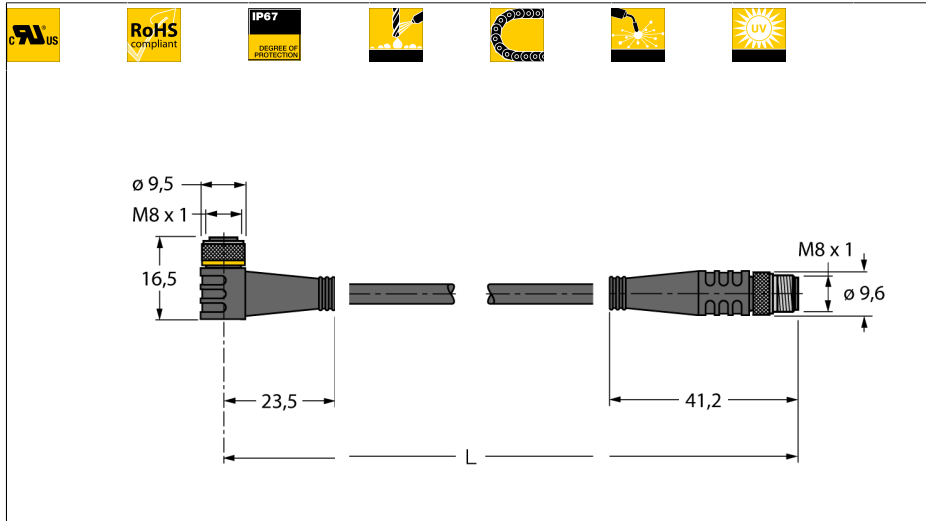


**Actuator/sensor cable, PUR
extension cable
PKW4M-5-PSG4M/TXL**

TURCK

Industrial
Automation



- Female M8, angled, 4-pin
- Male M8, straight, 4-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Weld-splatter resistant
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

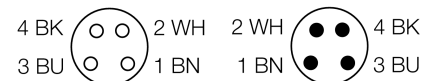
Type code	PKW4M-5-PSG4M/TXL
Ident no.	6626686
Connector A side	female connector, M8x1, angled
Number of pins	4
Contacts	metal, CuZn, gold-plated
Contact carriers	plastic, TPU, black
Grip	plastic, TPU, black
Coupling nut/screw	metal, CuZn, nickel-plated
Coupling nut/screw	metal
Protection class	IP67, only in screwed state
Mechanical lifespan	> 100 mating cycles
Pollution degree	3
Tightening torque	0.5 ... 0.6 Nm (observe max. value of counter piece!)

Connector B side	male connector, M8x1, straight
Number of pins	4
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. value of counter piece!)

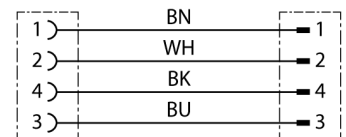
General data	
Cable diameter	Ø 4.7 mm +/-0.20
Cable length	5 m
Sheath color	PUR (black)
Core insulation (colors)	PP (BN, WH, BU, BK)
Core cross-section	4x0.34mm ²
Litz wire arrangement	42x0.1 mm

Electrical features at +20 °C	
Rated current	4 A
Rated voltage [U _{max}]	30 V
Insulation resistance	> 1 GΩ x km
Test voltage	2000 V
Forward resistance	max. 57.5 Ω/km

Pin assignment



circuit diagram



**Actuator/sensor cable, PUR
extension cable
PKW4M-5-PSG4M/TXL**

TURCK

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Automation

Mechanical and chemical properties

Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
bending cycles	$> 5 \text{ mil.}$
Static Bending Radius	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
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	$\pm 180^\circ/\text{m}$
Ambient temperature	
at rest	$-50 \dots 80^\circ\text{C}$
In moving state	$-25 \dots 80^\circ\text{C}$
drag chain operation	$-25 \dots 60^\circ\text{C}$