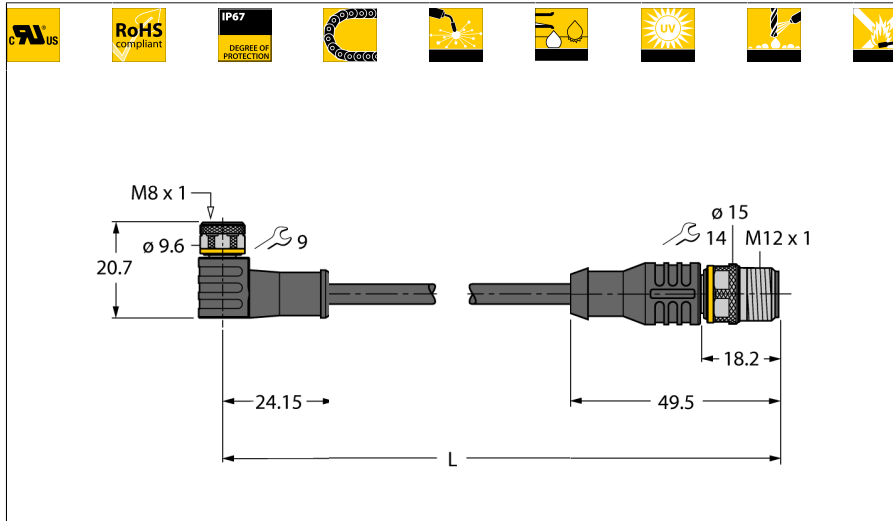


**Actuator/sensor cable, PUR
extension cable
PKW3M-P7X2-5-RSC4T/TXL**

TURCK

Industrial
Automation



- Female M8, angled, 3-pin
- With 2-color LED (PNP, yellow, green)
- Male M12, 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 resistant to abrasion
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 5.0 m

Type designation PKW3M-P7X2-5-RSC4T/TXL
Ident no. 6626140

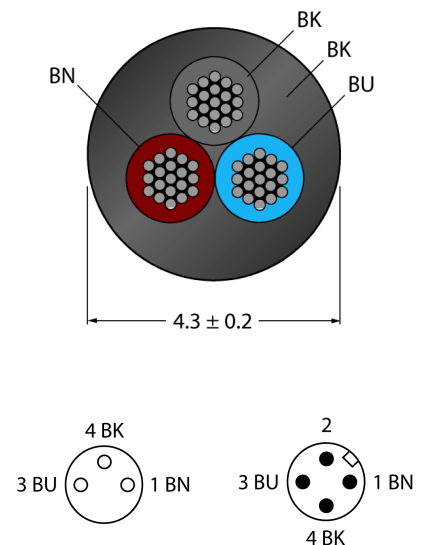
Connector A side
Number of pins Female connector, M8 1, Angled
3
Contacts Brass, CuZn, Gold-plated
Contact carriers Plastic, TPU, Black
Grip Plastic, TPU, Black
Coupling nut/screw Brass, CuZn, Nickel-plated
Seal Plastic, FPM/FKM
Protection class IP67, A + B side screwed together
Operating voltage LED green
Display switch state LED yellow
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 Connector, M12 x 1, Straight
3 pins
Contacts brass, CuZn, Gold-plated
Contact carriers Plastic, TPU, Black
Grip plastic, TPU, black
Coupling nut/screw Brass, CuZn, Nickel-plated
Protection class IP67, only in screwed state
Mechanical lifespan > 100 Mating cycles
Pollution degree 3
Tightening torque 0.8 ... 1 Nm
(observe max. torque of counter piece!)

General data
Cable diameter 4.3 ± 0.20mm
Cable length 5 m
Cable quality PUR
Cable color Black
Core insulation PP
Core colors BN, BU, BK
Core cross-section 3x0.34mm²
Arrangement of strands 42x0.1 mm

Electrical features at +20 °C
Current 4 A
Rated voltage 60 V
Insulation resistance > 30.5 MΩ/km
Test voltage 2000 V
Forward resistance max. 57 Ω/km

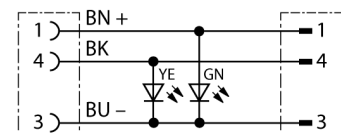
Cable Cross-section



General information

Drawing depicts design version including hexagon coupling nut
(Production date after CW11/2016).

Circuit Diagram



**Actuator/sensor cable, PUR
extension cable
PKW3M-P7X2-5-RSC4T/TXL**

TURCK

Industrial
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	$> 5 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
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	
Stationary	$-50 \dots +80^\circ\text{C}$
In motion	$-25 \dots +80^\circ\text{C}$
Drag chain operation	$-25 \dots +60^\circ\text{C}$

**Actuator/sensor cable, PUR
extension cable
PKW3M-P7X2-5-RSC4T/TXL**

TURCK

Industrial
Automation

Accessories

Type code	Ident no.	Description	
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	