

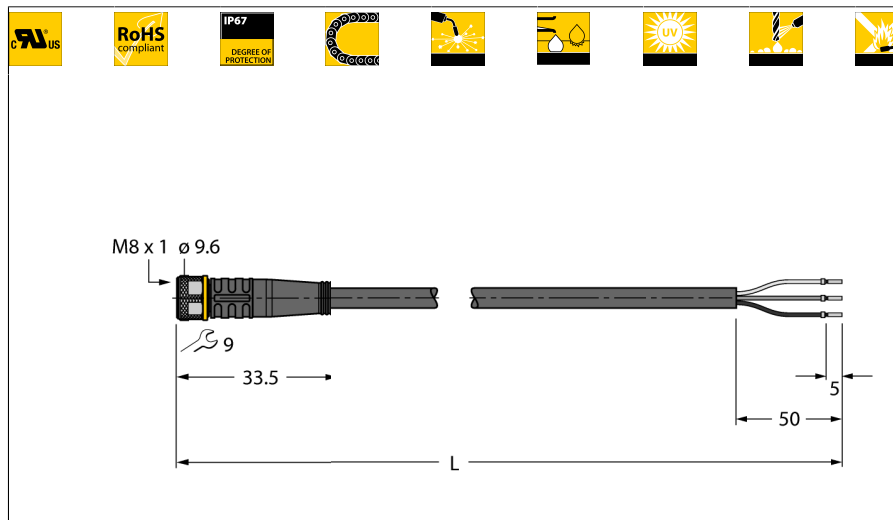
Actuator/Sensor cable, PUR

Connection cable

PKG3M-10/TXG

TURCK

Industrial
Automation



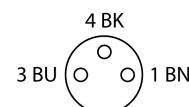
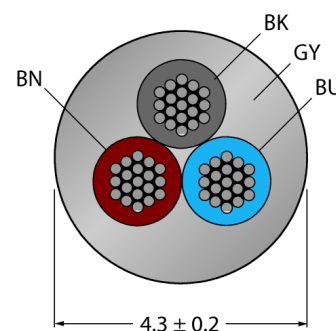
- Female M8, straight, 3-pin
- Sheath material: PUR
- Sheath color: grey
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Approval: cULus
- RoHS conform
- Protection class IP67
- Cable length: 10 m

Type designation	PKG3M-10/TXG
Ident no.	6628604
Connector A side	Female connector, M8 — 1, Straight
Number of pins	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
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Tightening torque	0.5 ... 0.6 Nm (observe max. torque of counter piece!)

General data	
Cable diameter	4.3 ± 0.20mm
Cable length	10 m
Cable quality	PUR
Cable color	Gray
Core insulation	PP
Core colors	BN, BU, BK
Core cross-section	3x0.34mm ²
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

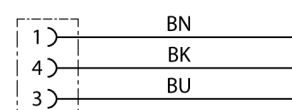
Cable Cross-section



General information

Drawing shows design status including hexagon coupling nut
(Start of production CW21/2016).

Circuit Diagram



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Mechanical and chemical properties

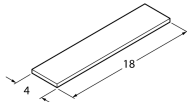
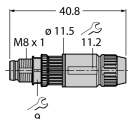
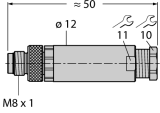
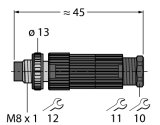
Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
Bending cycles	$> 5 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
Admissible acceleration	max. 5 m/s^2
Admissible 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	$-25 \dots +60^\circ\text{C}$

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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	
HAS5131-0	6905402	Field-wireable male connector, M8 1, straight, 3-pin, insulation piercing connection, cable feedthrough 2.5 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut	
BS5133-0	6901012	Field-wireable male connector, M8 1, straight, 3-pin, screw terminal connection, cable feedthrough 3.5 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.50 mm², plastic housing, metal nut	
HS5131-0	6902710	Field-wireable male connector, M8 1, straight, 3-pin, pressfit technology, cable feedthrough 4.0 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut	

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Accessories

Type code	Ident no.	Description	
HS5231-0	6902810	Field-wireable male connector, M8 -  , 1, angled, 3-pin, pressfit technology, cable feedthrough 4.0 to 5.0 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut	

