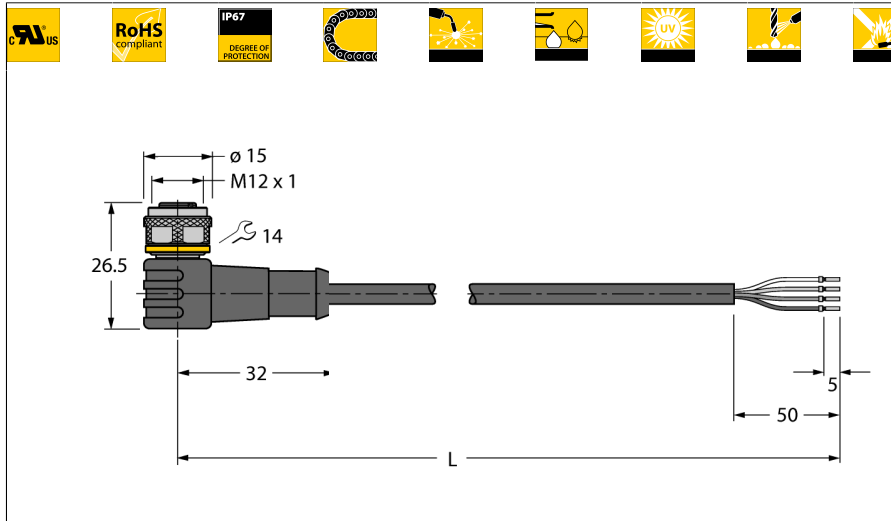


Actuator/Sensor cable, PUR Connection cable WKC4.4T-5/TXG

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- Female M12, angled, 4-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: 5.0 m

Type designation

Ident no. WKC4.4T-5/TXG 6628600

Connector A side

Number of pins	Female connector, M12 1, Angled
Contacts	4
Contact carriers	Brass, CuZn, Gold-plated
Grip	Plastic, TPU, Black
Coupling nut/screw	Plastic, TPU, Black
Seal	Brass, CuZn, Nickel-plated
Protection class	Plastic, FPM/FKM
Mechanical lifespan	IP67, A + B side screwed together
Pollution degree	> 100 Mating cycles
Tightening torque	3
	0.8 ... 1 Nm
	(observe max. torque of counter piece!)

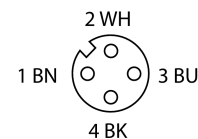
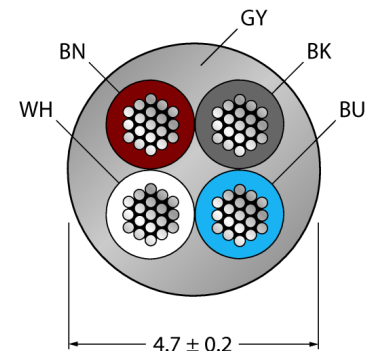
General data

Cable diameter	4.7 ± 0.20mm
Cable length	5 m
Cable quality	PUR
Cable color	Gray
Core insulation	PP
Core colors	BN, WH, BU, BK
Core cross-section	4x0.34mm ²
Arrangement of strands	42x0.1 mm

Electrical features at +20 °C

Current	4 A
Rated voltage	250 V
Insulation resistance	> 30.5 MΩ/km
Test voltage	2000 V
Forward resistance	max. 57 Ω/km

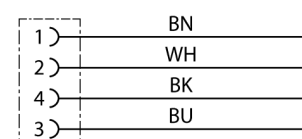
Cable Cross-section



General information

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

Circuit Diagram



Actuator/Sensor cable, PUR
Connection cable
WKC4.4T-5/TXG

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Mechanical and chemical properties

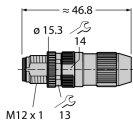
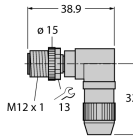
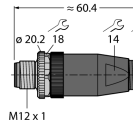
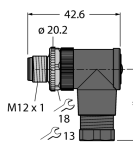
Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
Bending cycles	$> 5 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
Admissible acceleration	max. 5 m/s^2
Admissible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

Actuator/Sensor cable, PUR
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Accessories

Type code	Ident no.	Description	
HAS8141-0	6905406	Field-wireable male connector, M12 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut	 Technical drawing of the HAS8141-0 connector. It is a straight, 4-pin M12 connector with an insulation piercing connection. Dimensions shown: overall length ≈ 46.8 mm, thread diameter ø 15.3 mm, pin spacing 14 mm, and pin diameter 13 mm. The label 'M12 x 1' is present.
HAS8241-0	6905400	Field-wireable male connector, M12 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut	 Technical drawing of the HAS8241-0 connector. It is an angled, 4-pin M12 connector with an insulation piercing connection. Dimensions shown: overall length 38.9 mm, thread diameter ø 15 mm, pin spacing 14 mm, and pin diameter 13 mm. The label 'M12 x 1' is present.
BS8141-0	69010	Field-wireable male connector, M12 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal nut	 Technical drawing of the BS8141-0 connector. It is a straight, 4-pin M12 connector with a screw terminal connection. Dimensions shown: overall length ≈ 60.4 mm, thread diameter ø 20.2 mm, pin spacing 18 mm, and pin diameter 13 mm. The label 'M12 x 1' is present.
BS8241-0	69011	Field-wireable male connector, M12 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal nut	 Technical drawing of the BS8241-0 connector. It is an angled, 4-pin M12 connector with a screw terminal connection. Dimensions shown: overall length 42.6 mm, thread diameter ø 20.2 mm, pin spacing 18 mm, and pin diameter 13 mm. The label 'M12 x 1' is present.
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)	 Image of the Torque-Wrench-Set-AS. It includes a torque wrench with a black handle and a yellow adjustment knob, and a fork wrench with a black handle and a yellow adjustment knob. The torque wrench is for M8 (SW9) and the fork wrench is for M12 (SW 14).

Actuator/Sensor cable, PUR
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Accessories

Type code	Ident no.	Description	
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	