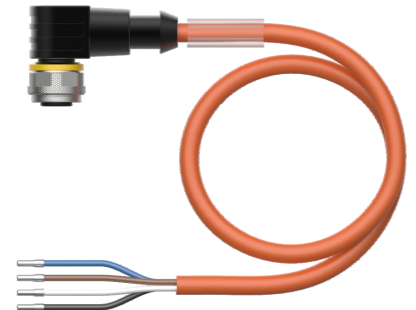


WKC4.4T-5/TXO

Actuator and Sensor Cable, PUR – Connection Cable



Technical data

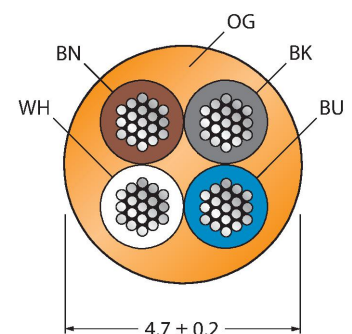
Type	WKC4.4T-5/TXO
ID	6627308
Connector A	Female, M12 × 1, Angled, A-coded
Number of Pins	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Cable	
Cable diameter	Ø 4.7 mm ±0.20
Cable length	5 m
Cable jacket	PUR, Orange
Core insulation	PP
Core cross-section	4 x 0.34 mm ²
Arrangement of strands	42 x 0.1 mm
Core colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Test voltage	2000 V
Current	4 A
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km

Features



- Female M12, angled, 4-pin
- Jacket material: PUR
- Jacket color: orange
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 5.0 m

Cable Cross-Section



Contact assignment

Technical data

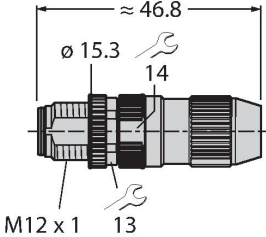
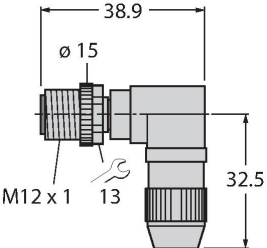
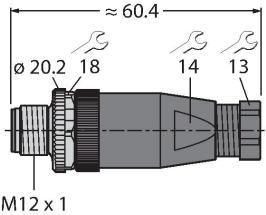
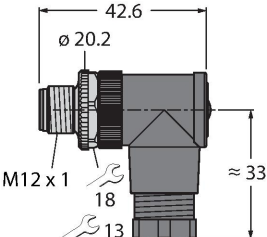
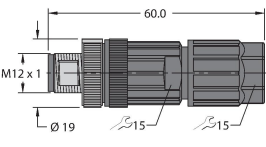
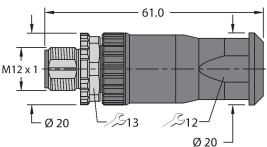
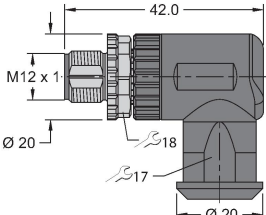
Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 10 \times \varnothing$
Bending cycles	≥ 5 million
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, vertical	2 m (at 5 m/s ²)
Admissible traversing speed	3.3 m/s
Torsional stress	$\pm 180^\circ/\text{m}$
Ambient temperature range (stationary)	-50 °C...+80 °C
Ambient temperature range (In motion)	-25 °C...+80 °C
Ambient temperature during drag chain operation	-25 °C...+60 °C
Approvals	cULus



Circuit Diagram



Accessories

HAS8141-0  M12 x 1 13	6905406 Field-wireable male connector, M12 x 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 mm ² , plastic housing, metal nut	HAS8241-0  M12 x 1 13	6905400 Field-wireable male connector, M12 x 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 mm ² , plastic housing, metal nut
BS8141-0  M12 x 1	69010 Field-wireable male connector, M12 x 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 mm ² , plastic housing, metal retaining screw	BS8241-0  M12 x 1 18 13	69011 Field-wireable connector, M12 x 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 mm ² , plastic housing, metal retaining screw
FW-ERSPM0426-SA-P-0408  M12 x 1 15 15	100002048 Field-wireable male connector, M12 x 1, straight, 4-pin, push-in connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm ² , plastic housing, metal retaining screw	FW-ERSPM0416-SA-S-0408  M12 x 1 13 12 20	100002288 Field-wireable male connector, M12 x 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm ² , plastic housing, metal retaining screw
FW-EWSPM0416-SA-S-0408  M12 x 1 18 17 20	100002290 Field-wireable male connector, M12 x 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 8.0 mm, core cross-section/terminal capacity 0.25 to 1.5 mm ² , plastic housing, metal retaining screw	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