WKC4.4T-5/TXL
Actuator and Sensor Cable, PUR – Connection Cable
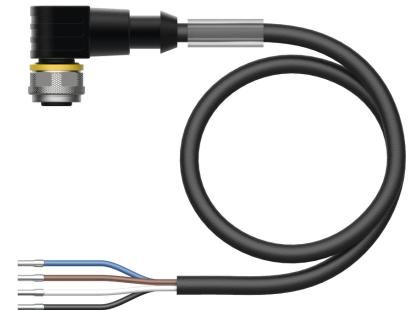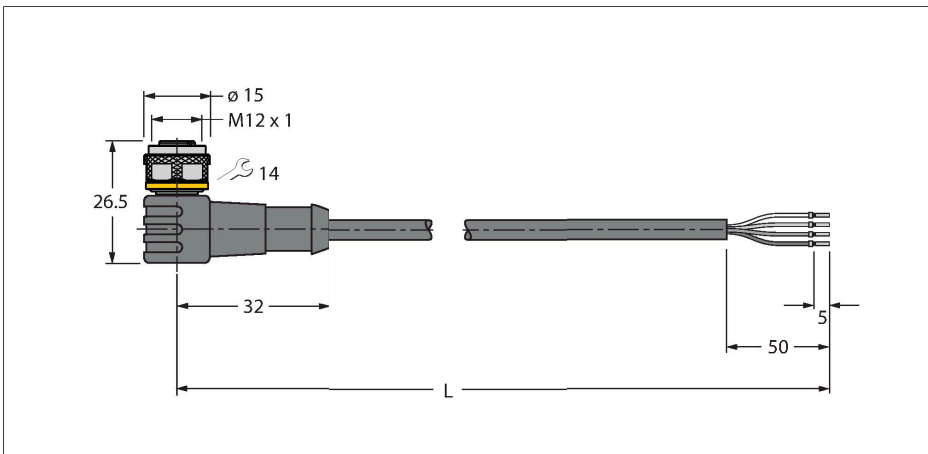
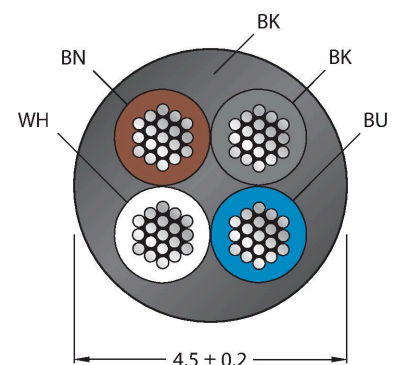## Technical data

Type	WKC4.4T-5/TXL
ID	6625516
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 4.5 mm ±0.20
Cable length	5 m
Cable jacket	PUR, Black
Core insulation	PP
Core cross-section	4 x 0.34 mm²
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: black
- ■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)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥ 5 million
Admissible acceleration	max. 5 m/s²
Admissible travel path, horizontal	5 m (at 5 m/s²)
Admissible travel path, vertical	2 m (at 5 m/s²)
Admissible traversing speed	3.3 m/s
Torsional stress	± 180 °/m
Ambient temperature (fixed)	-50…+80 °C
Ambient temperature (mobile)	-25…+80 °C
Ambient temperature (drag chain)	-25…+60 °C
Approvals	cULus
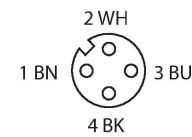
Circuit Diagram
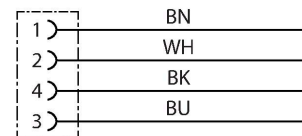
Accessories

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

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

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 retaining screw

BS8241-0   69011

Field-wireable 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 retaining screw

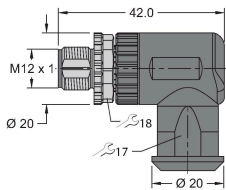## FW-ERSPM0426-SA-P-0408   100002048

Field-wireable male connector, M12 × 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 mm², plastic housing, metal retaining screw

FW-ERSPM0416-SA-S-0408   100002288

Field-wireable male connector, M12 × 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 mm², plastic housing, metal retaining screw

FW-EWSPM0416-SA-S-0408   100002290

Field-wireable male connector, M12 × 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 mm², plastic housing, metal retaining screw
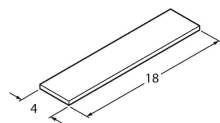
TORQUE-WRENCH-SET-AS   6936170

Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)
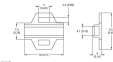
BLANK-LABEL-FOR-CORDSETS-TEL-TXL   6936206

Label for TEL and TXL cables, length: 18 mm, height: 4 mm, material: polycarbonate (PC), color: white, halogen-free and flame-retardant

Accessories

Dimension drawing	Type	ID	
	LABEL-HOLDER-FLEX-PVC	100048170	PVC label holder for identification of extension cables (TEL/TXL product series); for cable diameters: min. 5 mm; dimensions 4 × 18 mm; delivery unit: 50 pcs. per package