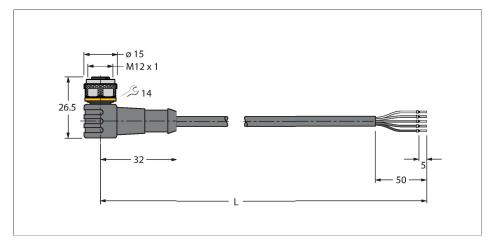


WKC5T-3/TXL Actuator and Sensor Cable, PUR – Connection Cable





Technical data

Remark to product	Туре	WKC5T-3/TXL		
Connector A Number of Pins 4+PE Contacts Brass, CuZn, Gold-plated Contact carriers Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Seal Plastic, FPM/FKM Mechanical lifespan Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable algacket PUR, Black Core insulation PP Core cross-section Arrangement of strands Cated voltage Female, M12 × 1, Angled, A-coded 4+PE Brass, CuZn, Gold-plated Plastic, TPU, Black Plastic, FPM/FKM Algack Plastic, FPM/FKM Algack Posterior PM/FKM Algack Conly in screwed condition PUR, Black Core insulation PP Core cross-section S x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current		6626610		
Number of Pins 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 Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Remark to product	!!! Pin 5 = PE !!!		
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 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Connector A	Female, M12 × 1, Angled, A-coded		
Contact carriers Connector body Plastic, TPU, Black Coupling nut/screw Brass, CuZn, Nickel-plated Seal Plastic, FPM/FKM Mechanical lifespan Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section Arrangement of strands Care colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current Arangement of strands Councident of the strands of	Number of Pins	4+PE		
Connector body Coupling nut/screw Brass, CuZn, Nickel-plated Seal Plastic, FPM/FKM Mechanical lifespan Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands Care colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Contacts	Brass, CuZn, Gold-plated		
Coupling nut/screw Seal Plastic, FPM/FKM Mechanical lifespan Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section Arrangement of strands Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current A log Mating cycles Plastic, FPM/FKM > 100 Mating cycles A pure length > 100 Mating cycles PP POR, IP69K, Only in screwed condition PP S 4.8 mm ±0.20 FP S 5 0.34 mm ±0.20 S 8 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE	Contact carriers	Plastic, TPU, Black		
Seal Plastic, FPM/FKM Mechanical lifespan > 100 Mating cycles Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Connector body	Plastic, TPU, Black		
Mechanical lifespan> 100 Mating cyclesPollution degree3Protection classIP67, IP69K, Only in screwed conditionCableCable diameterØ 4.8 mm ±0.20Cable length3 mCable jacketPUR, BlackCore insulationPPCore cross-section5 x 0.34 mm²Arrangement of strands42 x 0.1 mmCore colorsBN, WH, BU, BK, GNYEElectrical properties at +20 °CRated voltage60 VTest voltage2000 VCurrent4 A	Coupling nut/screw	Brass, CuZn, Nickel-plated		
Pollution degree 3 Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Seal	Plastic, FPM/FKM		
Protection class IP67, IP69K, Only in screwed condition Cable Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Mechanical lifespan	> 100 Mating cycles		
Cable Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Pollution degree	3		
Cable diameter Ø 4.8 mm ±0.20 Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Protection class	IP67, IP69K, Only in screwed condition		
Cable length 3 m Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Cable			
Cable jacket PUR, Black Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Cable diameter	Ø 4.8 mm ±0.20		
Core insulation PP Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Cable length	3 m		
Core cross-section 5 x 0.34 mm² Arrangement of strands 42 x 0.1 mm Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Cable jacket	PUR, Black		
Arrangement of strands Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Core insulation	PP		
Core colors BN, WH, BU, BK, GNYE Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Core cross-section	5 x 0.34 mm²		
Electrical properties at +20 °C Rated voltage 60 V Test voltage 2000 V Current 4 A	Arrangement of strands	42 x 0.1 mm		
Rated voltage 60 V Test voltage 2000 V Current 4 A	Core colors	BN, WH, BU, BK, GNYE		
Test voltage 2000 V Current 4 A	Electrical properties at +20 °C			
Current 4 A	Rated voltage	60 V		
	Test voltage	2000 V		
Insulation resistance > 30.5 MO/km	Current	4 A		
modiation resistance	Insulation resistance	> 30.5 MΩ/km		
forward resistance max. 57 Ω/km	forward resistance	max. 57 Ω/km		

Features











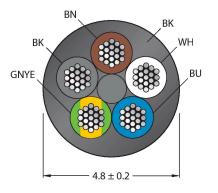






- Female M12, angled, 4-pin + PE
- ■Jacket material: PUR
- ■Jacket color: black
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant (FT2 acc. to UL 1581, IEC 60332-2-2)
- Resistant to welding sparks
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- Protection class: IP67, IP69K
- Cable length: 3 m

Cable Cross-Section

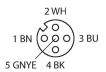


Contact assignment



Technical data

Bending radius (stationary installation)≥ 5 x ØBending radius (flexible use)≥ 10 x ØBending cycles≥ 5 millionAdmissible 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 $\pm 180 \text{ °/m}$ Ambient temperature range (stationary) $-50+80 \text{ °C}$ Ambient temperature during drag chain operation $-25+60 \text{ °C}$	Mechanical and chemical properties	
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 range (stationary) -50+80 °C Ambient temperature during drag chain -25+60 °C	Bending radius (stationary installation)	≥ 5 x Ø
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 range (stationary) -50+80 °C Ambient temperature during drag chain -25+60 °C	Bending radius (flexible use)	≥ 10 x Ø
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 range (stationary) -50+80 °C Ambient temperature during drag chain -25+60 °C	Bending cycles	≥ 5 million
Admissible travel path, vertical 2 m (at 5 m/s²) Admissible traversing speed 3.3 m/s Torsional stress ± 180 °/m Ambient temperature range (stationary) -50+80 °C Ambient temperature range (In motion) -25+80 °C Ambient temperature during drag chain -25+60 °C	Admissible acceleration	max. 5 m/s²
Admissible traversing speed 3.3 m/s Torsional stress ± 180 °/m Ambient temperature range (stationary) -50+80 °C Ambient temperature range (In motion) -25+80 °C Ambient temperature during drag chain -25+60 °C	Admissible travel path, horizontal	5 m (at 5 m/s²)
Torsional stress ± 180 °/m Ambient temperature range (stationary) -50+80 °C Ambient temperature range (In motion) -25+80 °C Ambient temperature during drag chain -25+60 °C	Admissible travel path, vertical	2 m (at 5 m/s²)
Ambient temperature range (stationary) -50+80 °C Ambient temperature range (In motion) -25+80 °C Ambient temperature during drag chain -25+60 °C	Admissible traversing speed	3.3 m/s
Ambient temperature range (In motion) -25+80 °C Ambient temperature during drag chain -25+60 °C	Torsional stress	± 180 °/m
Ambient temperature during drag chain -25+60 °C	Ambient temperature range (stationary)	-50+80 °C
7 million temperature daring arag enam = 2011 to 0	Ambient temperature range (In motion)	-25+80 °C
		-25+60 °C
Approvals cULus	Approvals	cULus

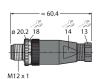


Circuit Diagram

	BN
2)	WH
4)	ВК
3)	BU
3 5 	GNYE

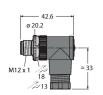
Accessories

BS8151-0 6904611



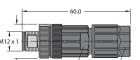
Field-wireable male connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, metal retaining screw

BS8251-0



Field-wireable male connector, M12 × 1, angled, 5-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

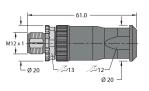
FW-ERSPM0526-SA-P-0408



100002535

Field-wireable male connector, M12 × 1, straight, 5-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-ERSPM0516-SA-S-0408



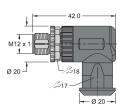
100002289

6904612

Field-wireable male connector, M12 × 1, straight, 5-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-EWSPM0516-SA-S-0408





Field-wireable male connector, M12 × 1, angled, 5-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

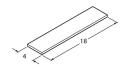
Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)



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	Туре	ID	
	I AREL-HOLDER-ELEY-DVC	100048170	DVC 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