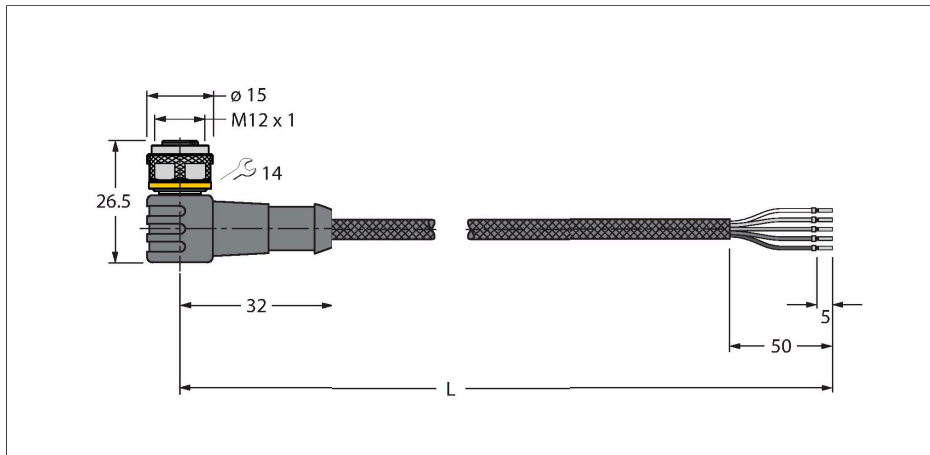


# WKC5T-P7X3-2/TXL1001

## Weld-Splatter Resistant Actuator and Sensor Cable – Connection Cable



### Features

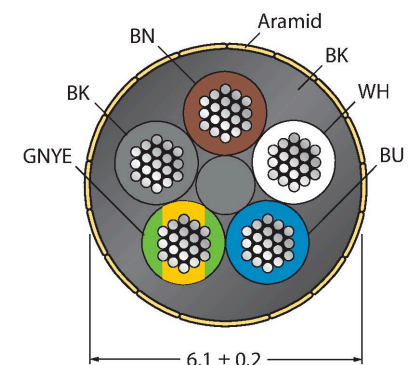


- Female M12, angled, 4-pin + PE
- With 3-color LED (PNP, yellow, yellow, green)
- Jacket material: PUR jacketed with aramid fibers
- Jacket color: yellow
- Resistant to welding sparks
- Flame retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Protection class: IP67, IP69K
- Protective jacket material: aramid fibers
  - Tensile strength: 2923 MPa
  - Breaking strength: 333 N
  - Elongation at break: 3.6 %
  - Temperature peaks: up to +200 °C
- Cable length: 2.0 m

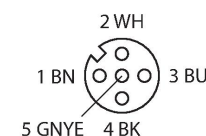
### Technical data

Type	WKC5T-P7X3-2/TXL1001
ID	6630242
Remark to product	!!! Pin 5 = PE !!!
Connector A	Female, M12 × 1, Angled, A-coded
Number of Pins	4+PE
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Translucent
Coupling nut/screw	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM/FKM
LED display	triple LED
Display operating voltage	LED, Green
Display switch state	LED, Yellow/yellow
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
<b>Cable</b>	
Cable diameter	Ø 6.1 mm ±0.20
Cable length	2 m
Cable jacket	PUR, Yellow
Core insulation	PP
Core cross-section	5 x 0.34 mm <sup>2</sup>
Arrangement of strands	42 x 0.1 mm
Core colors	BN, WH, BU, BK, GNYE
<b>Electrical properties at +20 °C</b>	
Rated voltage	30 V <sub>DC</sub>

### Cable Cross-Section



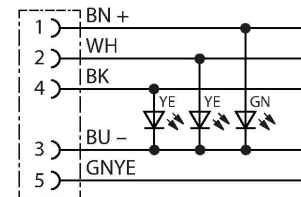
### Contact assignment



## Technical data

Test voltage	2000 V
Current	4 A
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km
<b>Mechanical and chemical properties</b>	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Ambient temperature range (stationary)	-50...+105 °C
Ambient temperature range (In motion)	-30...+90 °C

## Circuit Diagram



## Accessories

<b>TORQUE-WRENCH-SET-AS</b>	6936170	Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)
<b>BS8151-0</b>	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 mm <sup>2</sup> , plastic housing, metal retaining screw
<b>BS8251-0</b>	6904612	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 mm <sup>2</sup> , plastic housing, metal retaining screw
<b>FW-ERSPM0526-SA-P-0408</b>	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 mm <sup>2</sup> , plastic housing, metal retaining screw
<b>FW-ERSPM0516-SA-S-0408</b>	100002289	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 mm <sup>2</sup> , plastic housing, metal retaining screw
<b>FW-EWSPM0516-SA-S-0408</b>	100002291	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 mm <sup>2</sup> , plastic housing, metal retaining screw

## 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