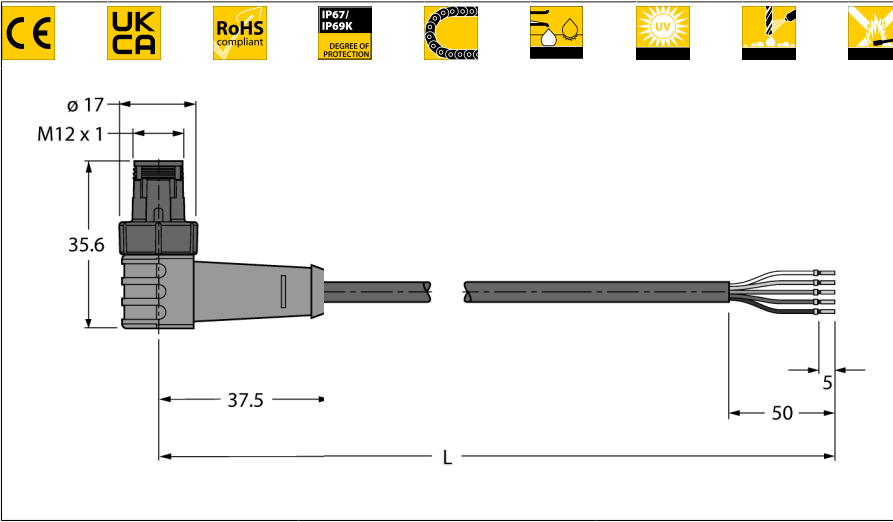


Actuator and Sensor Cable, PUR
Connection Cable
WSC5Q-5/TXL

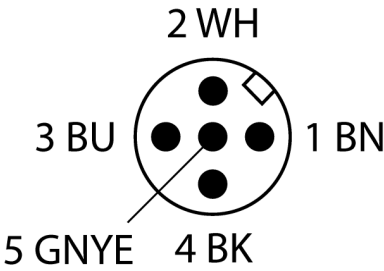


- Male M12, angled, 4-pin + PE
- Jacket material: PUR
- Jacket color: black
- Suitable for drag chain use
- Resistant to welding sparks
- Resistant to chemicals, UV radiation and oils
- Flame-retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS-compliant
- Protection class IP67
- Cable length: 5.0 m

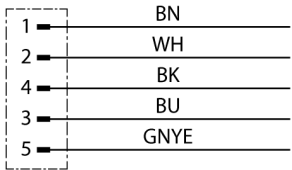
Type	WSC5Q-5/TXL
ID	6628056
Connector A	Male, M12 × 1, Angled, A-coded
Number of Pins	4+PE
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Interlocking sleeve	Plastic, PBT, black
Mechanical lifespan	> 50 Mating cycles
Pollution degree	3
Protection class	IP67, (plugged)

Cable	
Cable diameter	Ø 4.8mm ±0.20
Cable length	5 m m
Cable jacket	PUR, Black
Core insulation	PP
Core cross-section	5 x 0.34 mm²
Arrangement of strands	42 x 0.1mm
Core colors	BN, WH, BU, BK, GNYE

Electrical properties at +20 °C	
Rated voltage	60V
Test voltage	2000 V
Current	4AA
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km

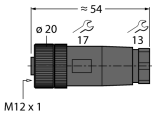
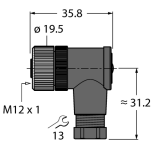
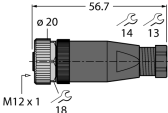
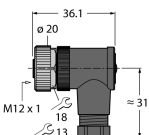
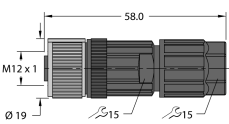
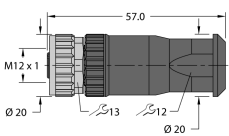


Circuit Diagram

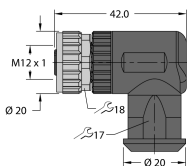


Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 10 \times \varnothing$
Bending cycles	≥ 5 million
Admissible acceleration	max. 5 m/s ²
Admissible travel path, horizontal	5 m (at 5 m/s ²)
Admissible travel path, 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...+80°C
Ambient temperature range (In motion)	-25...+80°C
Ambient temperature during drag chain operation	-25...+60°C

Accessories

Type code	Ident no.		Dimension drawing
B8151-0	6904601	Field-wireable female 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, plastic nut	 Technical drawing of the B8151-0 connector. It is a straight, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 54 mm, outer diameter 20 mm, and terminal spacing 17 mm and 13 mm.
B8251-0	6904602	Field-wireable female 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, plastic nut	 Technical drawing of the B8251-0 connector. It is an angled, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 35.8 mm, outer diameter 19.5 mm, and terminal spacing 13 mm and 13 mm. The angled part has a length of 31.2 mm.
BM8151-0	6935888	Field-wireable female connector, M12 × 1, straight, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut	 Technical drawing of the BM8151-0 connector. It is a straight, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 56.7 mm, outer diameter 20 mm, and terminal spacing 14 mm and 13 mm. The terminal itself is 18 mm long.
BM8251-0	6935890	Field-wireable female connector, M12 × 1, angled, 5-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut	 Technical drawing of the BM8251-0 connector. It is an angled, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 36.1 mm, outer diameter 20 mm, and terminal spacing 18 mm and 13 mm. The angled part has a length of 31 mm.
FW-ERKPM0526-SA-P-0408	100002534	Field-wireable female 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 coupling nut	 Technical drawing of the FW-ERKPM0526-SA-P-0408 connector. It is a straight, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 58.0 mm, outer diameter 20 mm, and terminal spacing 15 mm and 15 mm. The terminal itself is 19 mm long.
FW-ERKPM0516-SA-S-0408	100002285	Field-wireable female 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 nut	 Technical drawing of the FW-ERKPM0516-SA-S-0408 connector. It is a straight, 5-pin female connector with an M12 x 1 screw terminal. The drawing shows a side view with dimensions: total length 57.0 mm, outer diameter 20 mm, and terminal spacing 13 mm and 12 mm. The terminal itself is 20 mm long.

Accessories

Type code	Ident no.		Dimension drawing
FW-EWKPM0516-SA-S-0408	100002287	Field-wireable female 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 nut	
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	