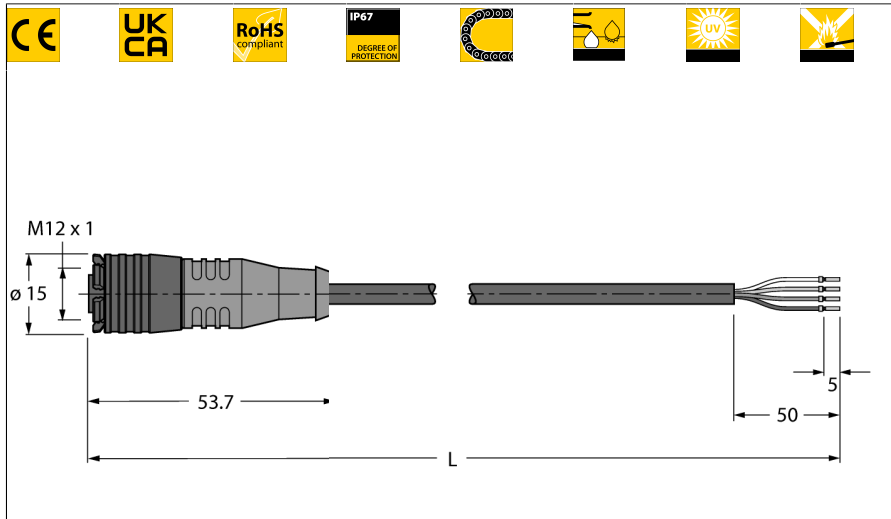


# Actuator and Sensor Cable, PUR Quick-turn Connection Cable RKC4.4Q-2/TXL



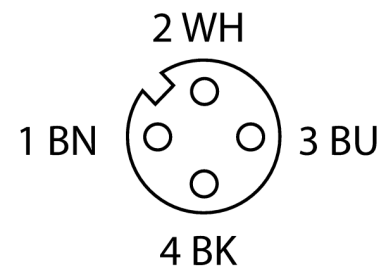
- Female M12, straight, 4-pin
- Sheath material: PUR
- Sheath color: black
- Qualified for drag chain use
- Resistant to weld splatter
- Resistant to chemicals, UV radiation and oils
- Flame retardant
- Free from halogen, silicone, PVC and LABS
- Particularly resistant to abrasion
- RoHS conform
- Protection class IP67
- Cable length: 2.0 m

Type	RKC4.4Q-2/TXL
ID	6628028

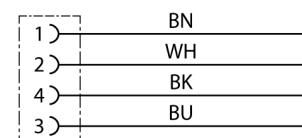
Connector A	Female, M12 × 1, Straight, A-coded
Number of Pins	4
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Interlocking sleeve	Plastic, PBT, black
Mechanical lifespan	> 50 Mating cycles
Pollution degree	3
Protection class	IP67, (plugged)

Cable	
Cable diameter	Ø 4.5mm ±0.20
Cable length	2 m m
Cable jacket	PUR, Black
Core insulation	PP
Core cross-section	4 x 0.34 mm <sup>2</sup>
Arrangement of strands	42 x 0.1mm
Core colors	BN, WH, BU, BK

Electrical properties at +20 °C	
Rated voltage	250V
Test voltage	2000 V
Current	4AA
Insulation resistance	> 30.5 MΩ/km
forward resistance	max. 57 Ω/km

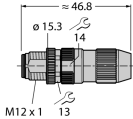
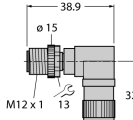
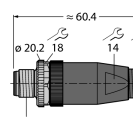
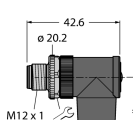
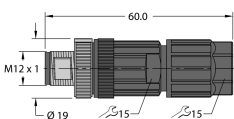
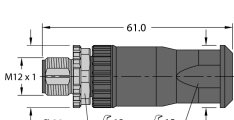


**Circuit Diagram**

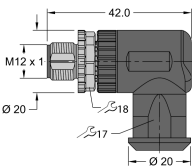


Mechanical and chemical properties	
Bending radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 10 \times \varnothing$
Bending cycles	$\geq 5$ million
Admissible acceleration	max. 5 m/s <sup>2</sup>
Admissible travel path, horizontal	5 m (at 5 m/s <sup>2</sup> )
Admissible travel path, vertical	2 m (at 5 m/s <sup>2</sup> )
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
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	 <p>Technical drawing of the HAS8141-0 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length ≈ 46.8 mm, outer diameter ø 15.3 mm, and pin dimensions 14 mm and 13 mm.</p>
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	 <p>Technical drawing of the HAS8241-0 connector. It is an angled, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 38.9 mm, outer diameter ø 15 mm, and pin dimensions 13 mm and 32.5 mm.</p>
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	 <p>Technical drawing of the BS8141-0 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length ≈ 60.4 mm, outer diameter ø 20.2 mm, and pin dimensions 18 mm, 14 mm, and 13 mm.</p>
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	 <p>Technical drawing of the BS8241-0 connector. It is an angled, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 42.6 mm, outer diameter ø 20.2 mm, and pin dimensions 18 mm, 13 mm, and ≈ 33 mm.</p>
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	 <p>Technical drawing of the FW-ERSPM0426-SA-P-0408 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 60.0 mm, outer diameter ø 19 mm, and pin dimensions 15 mm and 15 mm.</p>
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	 <p>Technical drawing of the FW-ERSPM0416-SA-S-0408 connector. It is a straight, 4-pin male connector with an M12 × 1 thread. The drawing shows a side view with dimensions: overall length 61.0 mm, outer diameter ø 20 mm, and pin dimensions 13 mm and 12 mm.</p>

Accessories

Type code	Ident no.		Dimension drawing
FW-EWSPM0416-SAS-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	
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	