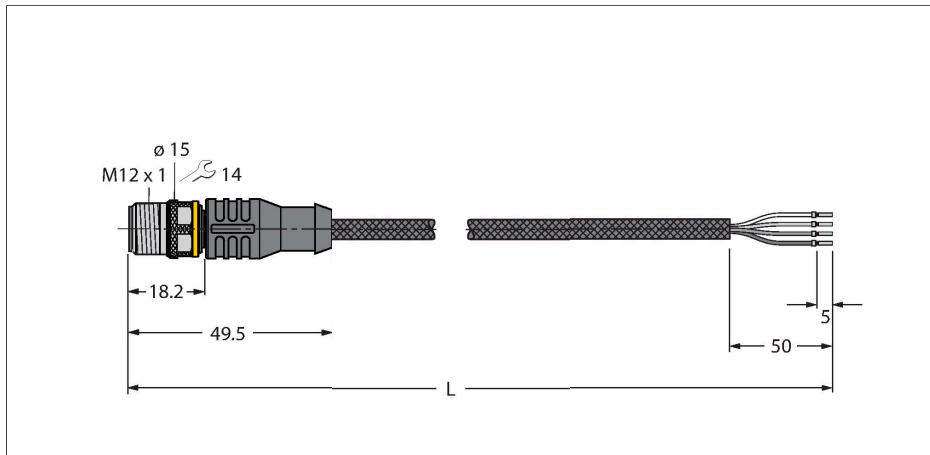


RSC4.4T-10/TXL1001

Weld-Splatter Resistant Actuator and Sensor Cable – Connection Cable

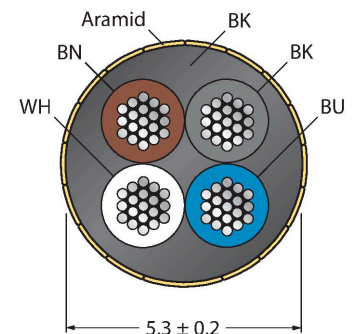


Features

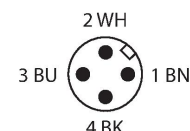


- Male M12, straight, 4-pin
- Jacket material: PUR jacketed with aramid fibers
- Jacket color: yellow
- Resistant to welding sparks
- Flame retardant
- Resistant to chemicals, UV radiation and oils
- Free from halogen, silicone, PVC and LABS
- Protection class: IP67, IP69K
- Protective jacket material: aramid fibers
 - Tensile strength: 2923 MPa
 - Breaking strength: 333 N
 - Elongation at break: 3.6 %
 - Temperature peaks: up to +200 °C
- Cable length: 10 m

Cable Cross-Section



Contact assignment



Technical data

Type	RSC4.4T-10/TXL1001
ID	6630270
Connector A	Male, M12 × 1, Straight, 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
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67, IP69K, Only in screwed condition
Cable	
Cable diameter	Ø 5.3 mm ±0.20
Cable length	10 m
Cable jacket	PUR, Yellow
Core insulation	PP
Core cross-section	4 x 0.34 mm ²
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

Technical data

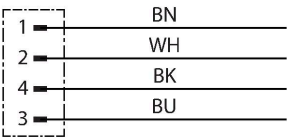
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Ambient temperature (fixed)	-50...+105 °C
Ambient temperature (mobile)	-30...+90 °C

Accessories

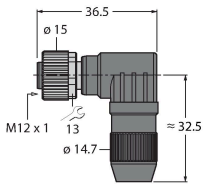
TORQUE-WRENCH-SET-AS	6936170
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Torque wrench set; handles with adjustable torque 0.4-1.0 Nm, torque wrench for M8 (SW9), fork wrench for M12 (SW 14)

Circuit Diagram

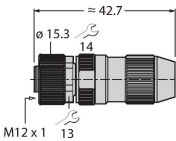


HA8241-0	6905401
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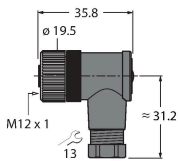
Field-wireable female connector, M12 × 1, angled, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

HA8141-0	6905407
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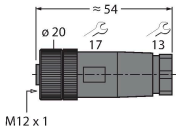
Field-wireable female connector, M12 × 1, straight, 4-pin, insulation piercing connection, cable feedthrough 4.0 to 5.1 mm, core cross-section/terminal capacity 0.14 to 0.34 mm², plastic housing, metal nut

B8241-0	69048
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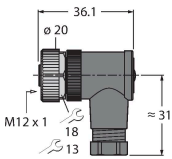
Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, plastic nut

B8141-0	69049
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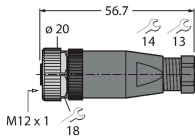
Field-wireable female connector, M12 × 1, straight, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.14 to 0.75 mm², plastic housing, plastic nut

BM8241-0	6935889
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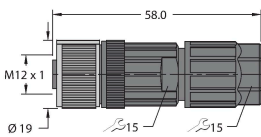
Field-wireable female connector, M12 × 1, angled, 4-pin, screw terminal connection, cable feedthrough 4.0 to 6.0 mm, core cross-section/terminal capacity 0.25 to 0.75 mm², plastic housing, metal nut

BM8141-0	6935145
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Field-wireable female connector, M12 × 1, straight, 4-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

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Field-wireable female 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 coupling nut

