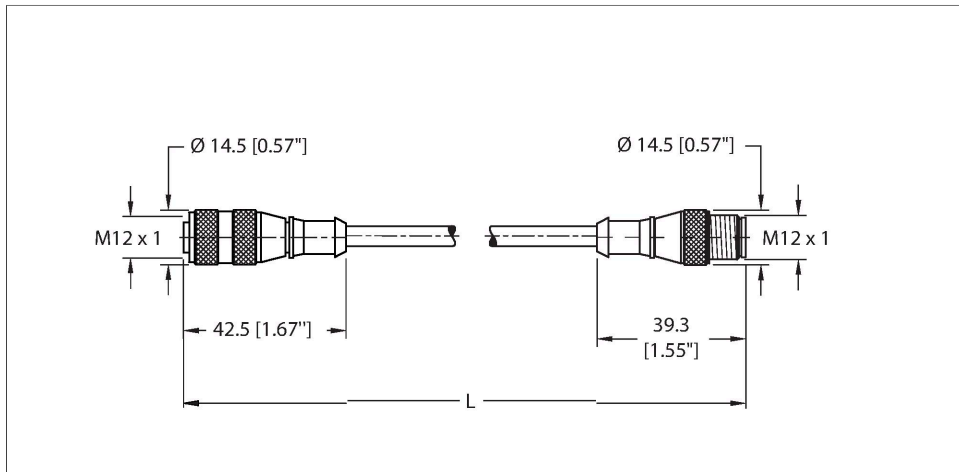


RK 4.4T-1-RS 4.4T

Actuator and Sensor Cable – Extension Cable



Technical data

Type	RK 4.4T-1-RS 4.4T
Ident. no.	U2444-1
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	When coupled - IP68, IP69K NEMA: 1, 3, 4, 6P
Tightening torque (range)	0.8 ... 1.8 Nm (note max. torque of mating connector!)
Connector B	Male, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Bronze, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles

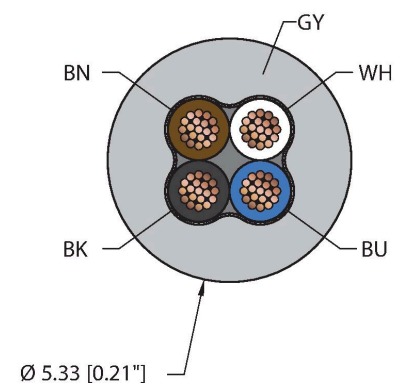


Features



- M12, Female, Straight, 4-pin, IP67, IP68
- M12, Male, Straight, 4-pin, IP67, IP68
- Instrumentation Tray Cable
- Gray PVC jacket, 4X22 AWG
- Sunlight Resistant
- -40 Cold Bend Rating
- Oil Resistant
- Flame Ratings: UL 1685 FT4, UL1061, CSA FT4
- Flexlife® and C-Track Approved
- Cable length: 1.0 m

Cable cross section



RK 4.4T-1-RS 4.4T | 10/09/2019 02-01 | technical changes reserved

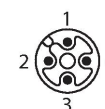
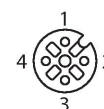
Technical data

Pollution degree	3
Protection class	When coupled - IP68, IP69K NEMA: 1, 3, 4, 6P
Tightening torque	0.8 ... 1.8 Nm (note max. torque of mating connector!)
Cable data	
Cable ID	RF50516
Total number of conductors	4
Cable diameter	Ø 5.33 mm
Cable length (L)	1 m (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	PVC, Gray
Conductor diameter	0.054 "
Conductor material	TC (Tinned Copper)
Conductor insulation material	PVC
Conductor size	4 x 22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D.	19 x 0.0058 "
Conductor colors	BN, WH, BU, BK
Electrical properties at +20 °C	
Rated voltage	250 V
Current	4 A
Mechanical and chemical properties	
Bending radius (static)	≥ 5 x Ø
Bending radius (dynamic)	≥ 10 x Ø
Cold bend rating	-40 °C
Flex rating 20 x Ø	10 million cycles*
C-Track	Yes
Temperature range (static)	-40 °C...+105 °C
Temperature range (dynamic)	-40 °C...+105 °C
Temperature range (installation)	-20 °C...+105 °C
Approval	
Approvals	UL 2238 CSA C22.2 No. 182.3 CE RoHS
Note	
- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.	

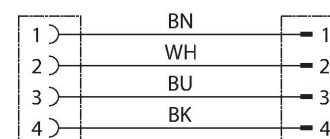
Contact assignment

Connector A

Connector B



Diagram

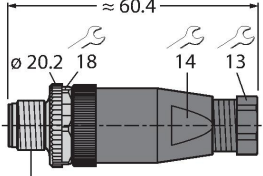


Technical data

- We reserve the right to make technical alterations without prior notice.

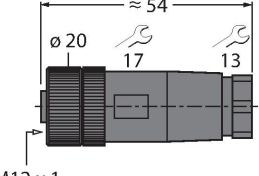
Accessories

BS8141-0	69010
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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

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

TORQUE-WRENCH-SET-M12-LEGACY	A900153
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Torque wrench set; grip with adjustable torque 0.4 to 1.0 Nm; torque wrench set, fork wrench for M12