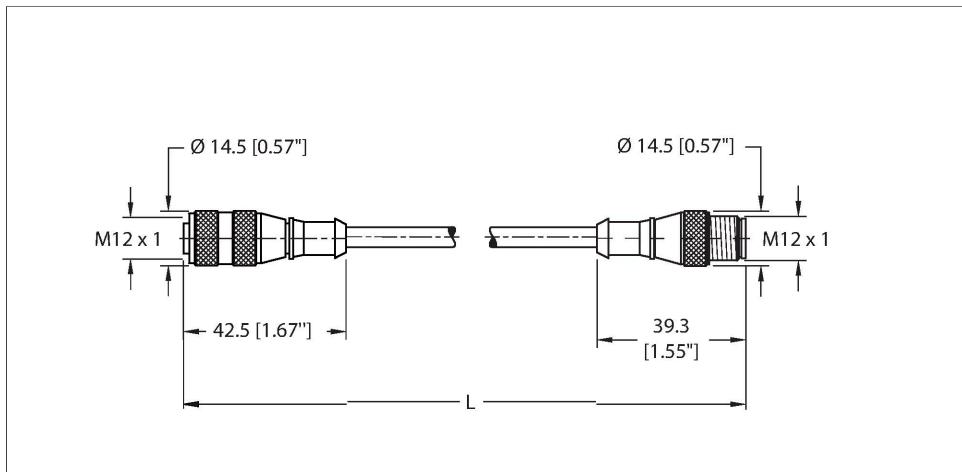


RK 4.5T-2-RS 4.5T

Actuator and Sensor Cable – Extension Cable



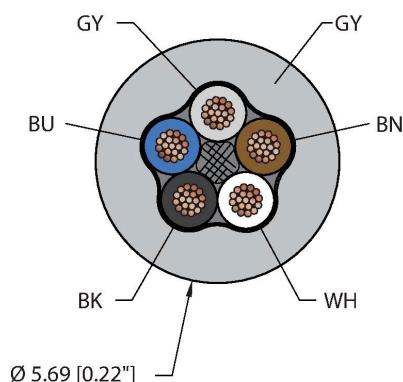
Type	RK 4.5T-2-RS 4.5T
Ident. no.	U2187-1
Connector A	Female, M12 x 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Seal	Plastic, FPM
Mechanical life	> 100
Pollution degree	3
Protection class	When coupled - IP68, IP69K NEMA: 1, 3, 4, 6P
Tightening torque (range)	0.8 ... 1 Nm (note max. torque of mating connector!)
Connector B	Male, M12 x 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, PA, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	When coupled - IP68, IP69K

Features



- M12, Male, Straight, 5-pin
- IP68, IP69K
- M12, Female, Straight, 5-pin
- Gray PVC Jacket
- Sunlight Resistant
- -40C Cold Bend
- Oil Resistant
- FT4 Flame Rating
- Flexlife® & C-Track Approved
- Cable length: 2 m

Cable cross section



NEMA: 1, 3, 4, 6P	
Tightening torque	0.8 ... 1 Nm (note max. torque of mating connector!)
Cable data	
Cable ID	RF50543
Cable diameter	Ø 5.69 mm
Cable length (L)	2 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
Cable conductor cross-section	5 x 22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D.	19x0.0058 "
Conductor colors	BN, WH, BU, BK, GY
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*
*When properly installed @ 20°C, 50%RH, and a cycle speed of ≤0.5 cycles per second.	
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 RoHS CE
Note	
<ul style="list-style-type: none"> - 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. 	
<ul style="list-style-type: none"> - We reserve the right to make technical alterations without prior notice. 	

Contact assignment

Connector A Connector B



Diagram



Accessories

**TORQUE-WRENCH- A900153
SET-M12-LEGACY**

Torque wrench set; grip with adjustable torque 0.4 to 1.0 Nm; torque wrench set, fork wrench for M12