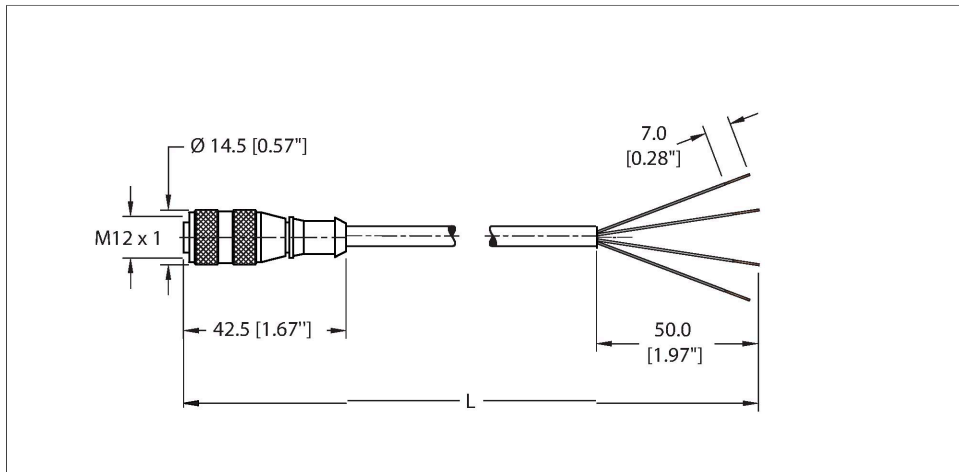


RK 4.4T-x

Actuator and Sensor Cable – Connection Cable

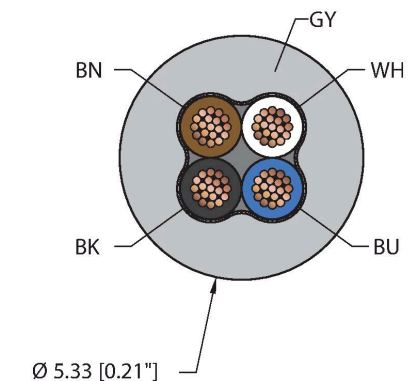


Features



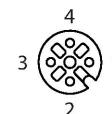
- M12, Female, Straight, 4-pin, IP67, IP68
- Gray PVC Jacket
- Sunlight Resistant
- -40C Cold Bend
- Oil Resistant
- FT4 Flame Rating
- Flexlife® & C-Track Approved

Cable cross section



Contact assignment

Connector A



Diagram



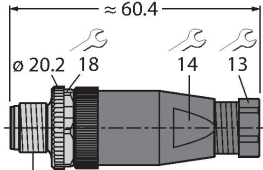
Type	RK 4.4T-x
Ident. no.	777000204
Connector A	Female, M12 x 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
Seal	Plastic, 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!)
Cable data	
Cable ID	RF50516
Cable diameter	Ø 5.33 mm
Cable jacket	PVC, Gray
Conductor diameter	0.054 "
Conductor material	TC (Tinned Copper)
Conductor insulation material	PVC
Cable conductor cross-section	4 x 22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D.	19x0.0058 "
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*
	*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	
- 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.	
- We reserve the right to make technical alterations without prior notice.	

Accessories

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

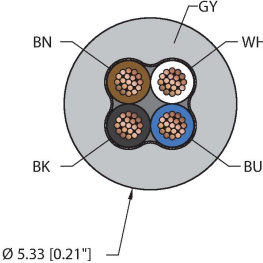
TORQUE-WRENCH- A900153

SET-M12-LEGACY



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

GRY,PVC,4X22,ITC,M:RF50516



Instrumentation Tray Cable, Gray PVC jacket, 4 × 22 AWG, Sunlight Resistant, -40C Cold Bend, Oil Resistant, FT4 Flame Rating, 300V Rated.