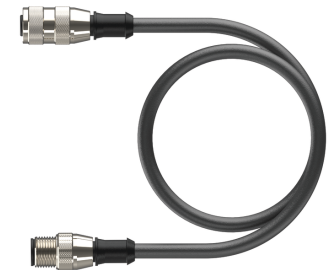
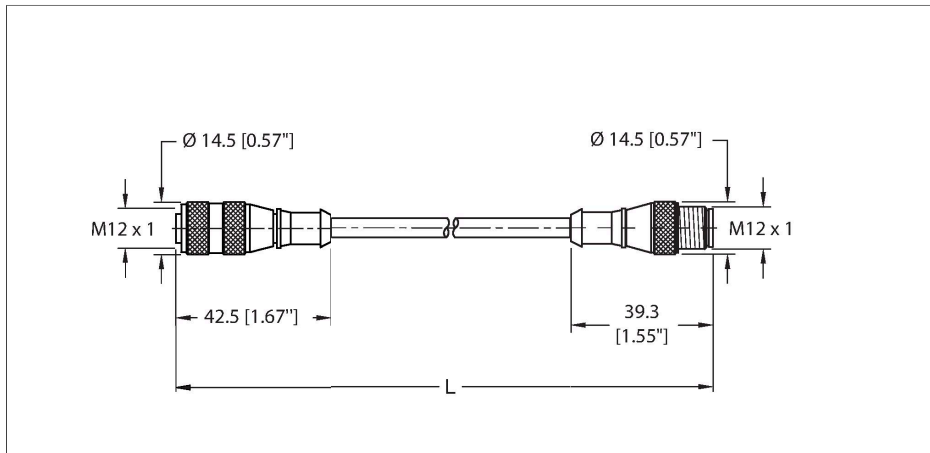


RK 4.4T-25-RS 4.4T/S760/S771

Actuator and Sensor Cable – Extension Cable



Technische Daten

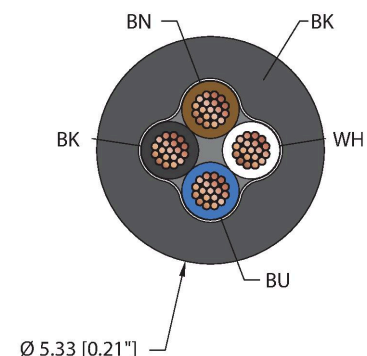
Type	RK 4.4T-25-RS 4.4T/S760/S771
ID	100029601
Special version	S760 = Black cable jacket S771 = Black mold body
Connector A	Female, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Connector seal	O-ring, Plastic, FKM/FPM
Tightening torque (range)	0.8 ... 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68, IP69K
	NEMA: 1, 3, 4, 6P
Connector B	Male, M12 × 1, Straight, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated

Features



- Straight Female M12 eurofast Connector
- Straight Male M12 eurofast Connector
- M12, Female, Straight, 4-pin
- M12, Male, Straight, 4-pin
- Instrumentation Tray Cable
- Black 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 cross section



Technische Daten

Tightening torque	0.8 ... 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP68, IP69K
	NEMA: 1, 3, 4, 6P

Cable data

Cable ID	RF50983
Total number of conductors	4
Cable diameter	Ø 5.33 mm
Length (L)	25 m
Cable jacket	PVC, Black
Conductor diameter	0.054 "
Conductor material	TC (tinned copper)
Conductor insulation material	PVC
Conductor size	4 x 22 AWG [Similar to 0.34 mm²]
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
UL 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
Ambient temperature range (static)	-40...+105 °C
Ambient temperature range (dynamic)	5...+105 °C
Temperature range (installation)	-10...+105 °C

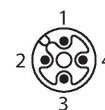
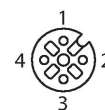
Approval

Approvals	UL 2238 CSA C22.2 No. 182.3 CE UKCA RoHS
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Contact assignment

Connector A

Connector B



Circuit Diagram



Technische Daten

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.
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Montagezubehör

BS 8141-0

U6550

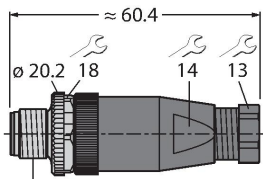


Diagram of BS 8141-0 connector showing dimensions: overall length ≈ 60.4, outer diameter Ø 20.2, and pin positions 18, 14, 13. It is labeled M12 x 1.

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

B 8141-0

U6545

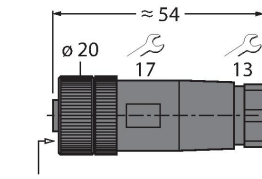


Diagram of B 8141-0 connector showing dimensions: overall length ≈ 54, outer diameter Ø 20, and pin positions 17, 13. It is labeled M12 x 1.

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 coupling nut

TORQUE-WRENCH-SET-M12-LEGACY

A900153

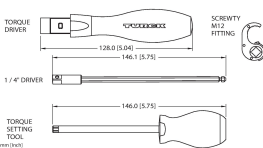


Diagram showing components of the torque wrench set: TORQUE DRIVER, 1/4" DRIVER, TORQUE SETTING TOOL, and SCREW FITTING.

Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

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M12-CORDSETS-MOUNTING-CLIP-(10/BAG)

100016882

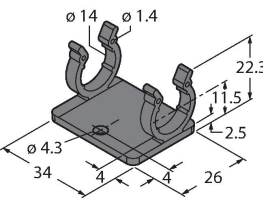


Diagram of M12-CORDSETS-MOUNTING-CLIP showing dimensions: overall width 34, mounting hole diameter Ø 4.3, clip height 22.3, and other dimensions 14, 1.4, 11.5, 2.5, 4, 4, 26.

10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.