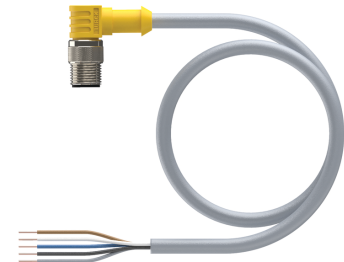
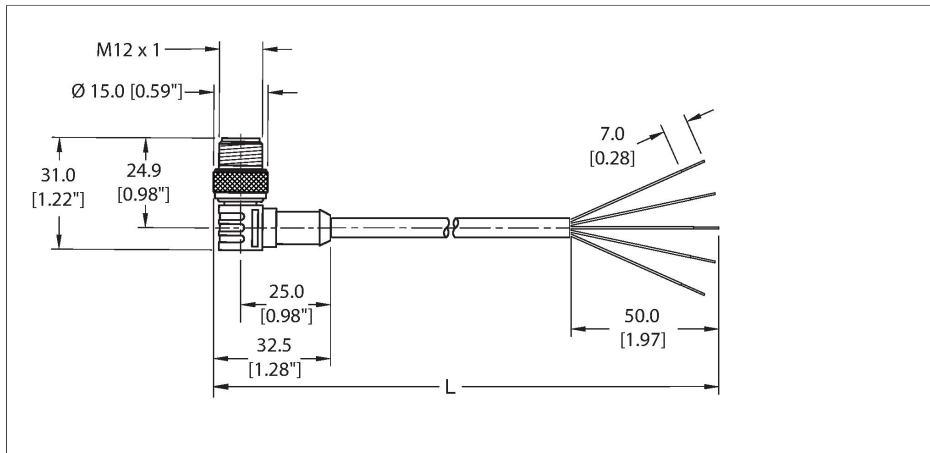


WS 4.5T-1

Actuator and Sensor Cable – Connection Cable



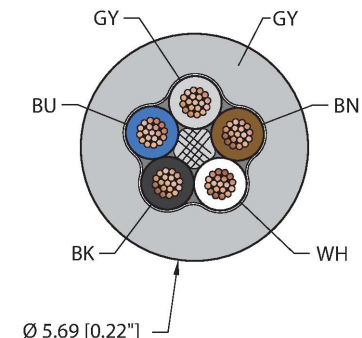
Technische Daten

Type	WS 4.5T-1
ID	U2491-29
Connector A	Male, M12 × 1, Right angle, A-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	5
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Yellow
Connector body	Plastic, TPU, Yellow
Coupling nut	Brass, CuZn, Nickel-plated
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
Cable data	
Cable ID	RF50543
Total number of conductors	5
Cable diameter	Ø 5.69 mm
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

Features

- UL US
- SP US
- CE
- UK CA
- RoHS compliant
- IP68/ IP69K
- DEGREE OF PROTECTION
- M12, Male, Right angle, 5-pin
- Instrumentation Tray Cable
- Gray PVC jacket, 5X22 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



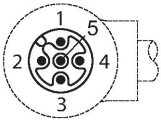
Contact assignment

Technische Daten

Conductor size	5 x 22 AWG [Similar to 0.34 mm²]
Number of strands x O.D.	19 x 0.0058 "
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
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

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.

Connector A



Circuit Diagram



Montagezubehör

TORQUE-WRENCH-SET-M12-LEGACY

A900153

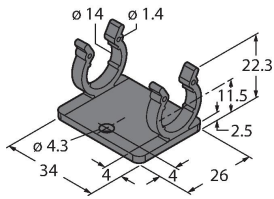
Diagram showing the components of the TORQUE-WRENCH-SET-M12-LEGACY (A900153):
- TORQUE DRIVER: 128.0 (5.04) inches long.
- 1/4" DRIVER: 146.0 (5.75) inches long.
- TORQUE SETTING TOOL: 146.0 (5.75) inches long.

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



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