ESRT-ESRT-A4.400-GC2K-x
Actuator and Sensor Cordset – Extension Cable
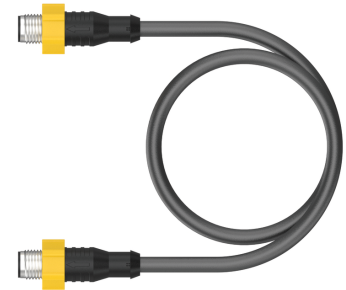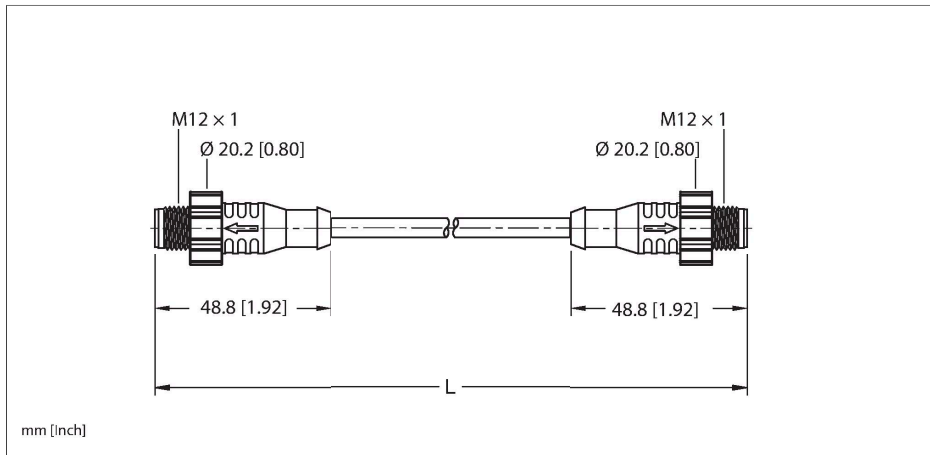
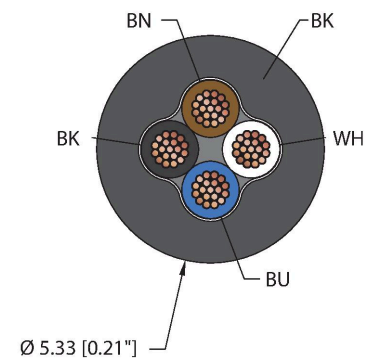## Technical data

Type	ESRT-ESRT-A4.400-GC2K-x
ID	777045928
Replaces	RS 4.4T-x-RS 4.4T/S760/S771
Connector A	Male, 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, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Torque sleeve	Plastic, PA, Yellow
Tightening torque (range)	0.4 … 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Connector B	Male, 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, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Torque sleeve	Plastic, PA, Yellow

Features

- ■ M12, Male, Straight, 4-pin, Torque sleeve
- ■ M12, Male, Straight, 4-pin, Torque sleeve
- ■ 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

Contact assignment

Technical data

|	
Tightening torque	0.4 … 1.8 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67, IP68, IP69, IP69K
	NEMA: 1, 3, 4, 6P, 12
Cable data	
Cable ID	RF50983
Total number of conductors	4
Cable diameter	Ø 5.33 mm
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_{AC}/300 V_{DC}
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	RoHS
Note	
	- CAUTION: RISK OF ELECTRICAL SHOCK. DO NOT DISCONNENT UNDER LOAD.
	- Flex ratings may be reduced if used in extreme temperatures, exposure to certain chemicals, operating above the

Circuit Diagram

1	BN	1
2	WH	2
3	BU	3
4	BK	4
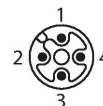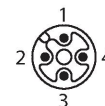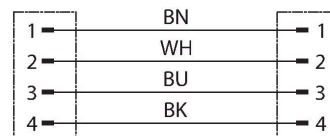
Technical data

rated cycle speed, or operating below the rated cable bend radius.

- The torque sleeve can be removed, before or after installation by inserting a small flat screwdriver near the relief by the arrow and prying.

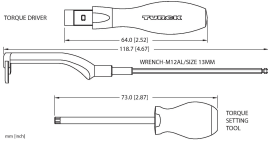- We reserve the right to make technical alterations without prior notice.

Accessories

M12-TORQUE-SLEEVE,YELLOW(10PACK)	A900167

10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
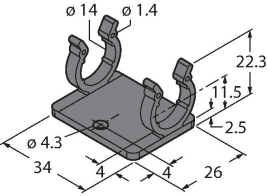
TORQUE-WRENCH-SET-M12/SW13	A900152

TORQUE DRIVER
64.0 [2.52]
118.7 [4.67]
WRENCH-M12AL/SIZE 13MM
73.0 [2.87]
TORQUE SETTING TOOL
mm [inch]

Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.

Accessories

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)	100016882

ø 14   ø 1.4
22.3
11.5
2.5
ø 4.3
34   4   4   26

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