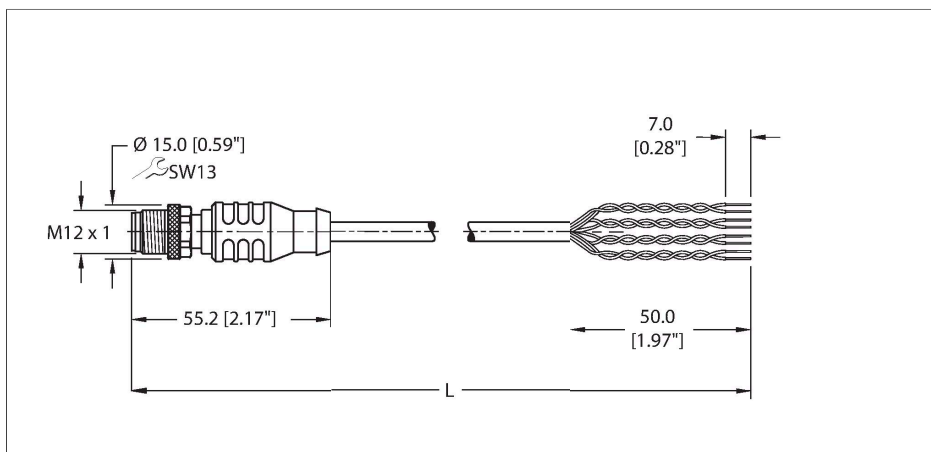


RSSX 860-*M

Ethernet Cordset – Connection Cordset

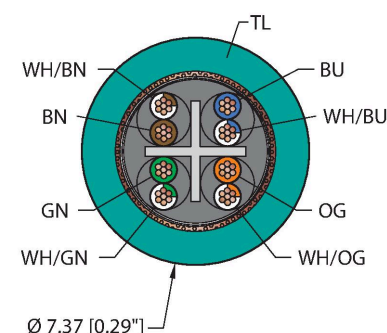


Features



- Straight Male M12 eurofast Connector
- M12, Male, Straight, 8-pin, X-Code
- Industrial Ethernet Cable
- Fieldbus type: Ethernet CAT6A, Teal TPE jacket, shielded, 4UTPX26 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1666, UL1061
- Flexlife®

Cable cross section



Contact assignment

Connector A



Technical data

Type	RSSX 860-*M
ID no.	777044196
Connector A	Male, M12 × 1, Straight, X-code
Number of Pins	8
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Metal, Zink, Nickel-plated
Connector body	Plastic, TPU
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)	IP67
Cable data	
Cable ID	RF52026
Fieldbus	Ethernet
Total number of conductors	8
Cable diameter	Ø 7.37 mm
Cable jacket	TPE, Teal
Shield	Aluminum/polyester (OUT)
Braid material	38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor size	8

Technical data

Conductor colors	WH/OG, OG, WH/GN, GN, WH/BN, BN, WH/BU, BU
Description of assembly	UTP (Unshielded Twisted Pair)
Number of assemblies	4
Conductor diameter	0.034 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x26 AWG [Similar to 0.14 mm ²]
Number of strands x O.D.	7x34 AWG

Electrical properties at +20 °C

Rated voltage	48 V(UL 1863)
Rated voltage	50 V _{AC} /60 V _{DC}
Current	0.5 A

Mechanical and chemical properties

Bending radius (static)	≥ 4 x Ø
Bending radius (dynamic)	≥ 10 x Ø
Torsion rating	3 million
Cold bend rating	-40 °C
Flex rating 10 x Ø	1 million cycles *
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.
Ambient temperature range (static)	-40 °C...+80 °C
Ambient temperature range (dynamic)	-40 °C...+80 °C
Temperature range (installation)	-20 °C...+80 °C

Approval

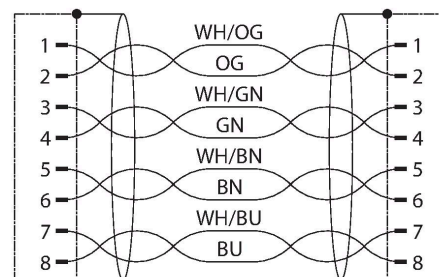
Approvals	UL 1863 CSA C22.2 No. 233-09 CE RoHS
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Note

- 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.

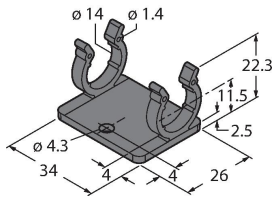
Circuit Diagram



Accessories

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.