

RSSX RSSX 860-6M

Industrial Ethernet Cable



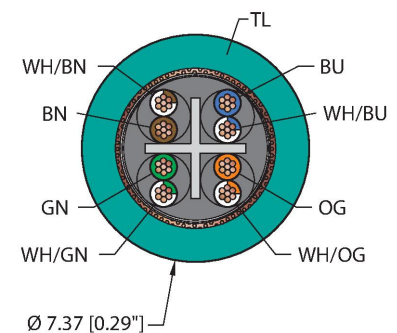
Technische Daten

Type	RSSX RSSX 860-6M
ID	UX09070
Connector A	Male, M12 x 1, Straight, X-code
Number of contacts	8
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Metal, Zink, Nickel-plated
Connector body	Plastic, TPU, Black
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
Connector B	Male, M12 x 1, Straight, X-code
Number of contacts	8
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Metal, Zink, Nickel-plated
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	0.8 ... 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67

Features

- UL US
- CE
- UK CA
- RoHS compliant
- IP67
- M12, Male, Straight, 8-pin
- X-Code
- 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® and C-Track Approved

Cable cross section



Contact assignment

Technische Daten

Cable data	
Cable ID	RF52026
Fieldbus	Ethernet, 860
Total number of conductors	8
Cable diameter	Ø 7.37 mm
Length (L)	6 m, (+50mm or 4% of length/-0.0, Whichever is greater)
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	WH/OG, OG, WH/GN, GN, WH/BN, BN, WH/BU, BU
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	4
Conductor diameter	0.034 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x26 AWG [Similar to 0.14 mm²]
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
Bending radius (C-track)	≥ 4 In.
Bending cycles (C-track)	35 Million *
Torsional stress	± 270 °/m
Torsion rating	Max. 3 million
Torsional stress	52 Cycles/min
UL cold bend rating	-40 °C
	*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...+80 °C
Ambient temperature range (dynamic)	5...+80 °C
Temperature range (installation)	-10...+80 °C

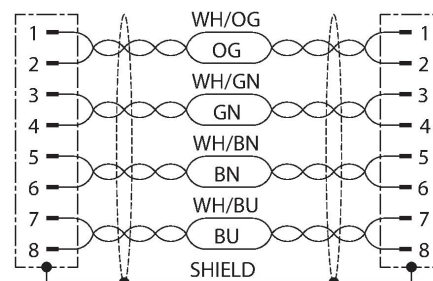
Connector A



Connector B



Circuit Diagram

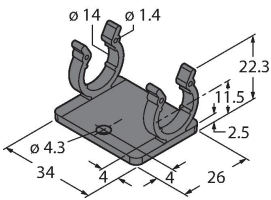


Technische Daten

Approval	
Approvals	UL 1863 CSA C22.2 No. 233-09 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.	

Montagezubehör

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)	100016882
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10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.