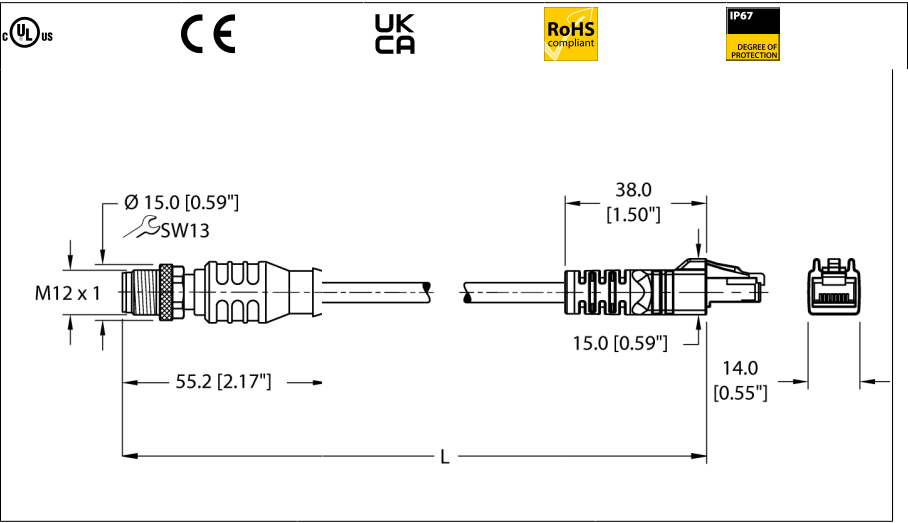


Industrial Ethernet Cable

RSSX RJ45S 860-10M

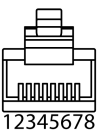


- M12 male connector, straight, 8-pin
- X-coded
- RJ45, Male, Straight, 8-pin, Shielded
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT6A, TPE jacket, teal, shielded, 4UTP × 26 AWG
- -40 °C cold bending strength
- Fire classes: UL 1666, UL 1061
- Flexlife and C-Track approved

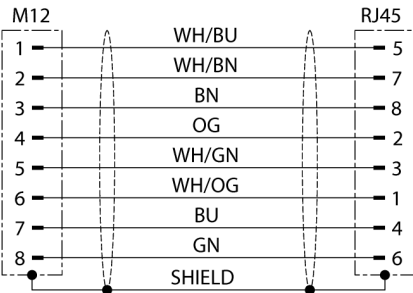
Type	RSSX RJ45S 860-10M
ID	UX05969
Connector A	Male, M12 × 1, Straight, X-coded
Number of Pins	8
Contact carriers	Metal, Zink, Nickel-plated
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67

Connector B	Male, RJ45, Straight
Number of pins	8 pins
Contact carriers	Plastic, PC, Transparent
Connector body	Plastic, TPU, Black
Protection class	IP20

Cable	
Cable ID	RF52026
Network protocol	Ethernet, 860
Number of cores	8
Cable diameter	Ø 7.37mm
Cable length	10 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger) m
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (OUT)
Braided material	38 AWG, TC (tinned copper), 75% covered
Conductor material	TC (tinned copper)
Core colors	WH/OG, OG, WH/GN, GN, WH/BN, BN, WH/BU, BU



Circuit Diagram



Description of assembly	UTP (unshielded twisted pair)
Number of pairs	4
Conductor diameter	0.034 "
Core insulation	HDPE
Core cross-section	2x26 AWG [Similar to 0.14 mm ²]
braid arrangement	7x34AWG

Electrical properties at +20 °C	
Rated voltage	48V(UL 1863)
Rated voltage	50V _{AC} /60V _{DC}
Current	0.5AA

Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 4 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending radius (C-Track)	≥ 4 In.
Bending cycles (C-Track)	35 Million *
Torsional stress	±270°/m@52Cycles/min
Torsion cycles	3 million Cycles
Cold flexural strength	-40 °C
	When correctly installed at 20 °C, 50 % RH and a cycle speed of ≤ 0.5 cycles per second.
C-track	Yes
Ambient temperature range (stationary)	-40...+80°C
Ambient temperature range (In motion)	5...+80°C
Ambient temperature during installation	-10...+80 °C

Approval

Note	
	Using the cable in extreme temperatures, when it is exposed to certain chemicals and above the nominal cycle speed or below the nominal bending radius of the cable can reduce the flexural strength.
	- We reserve the right to make technical modifications without prior notice.