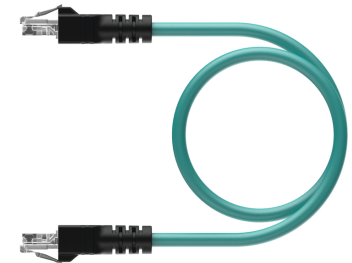
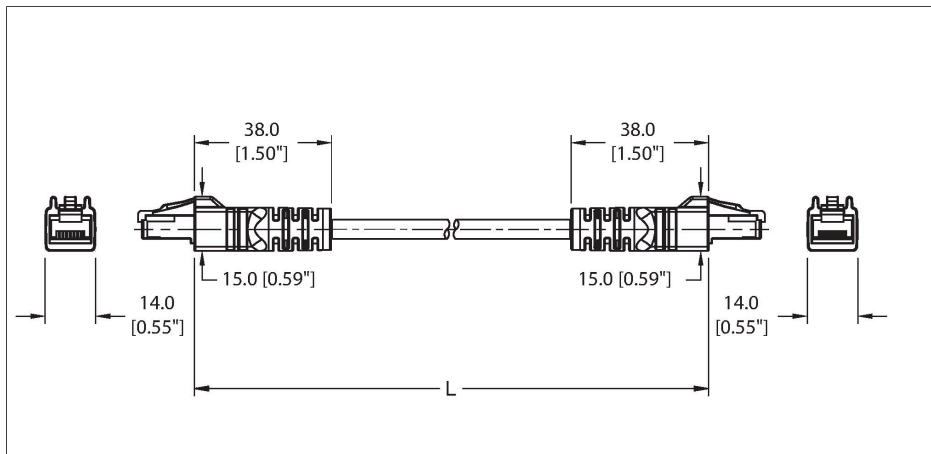


RJ45S RJ45S 841-1M

Industrial Ethernet Cable – Extension Cable



Technical data

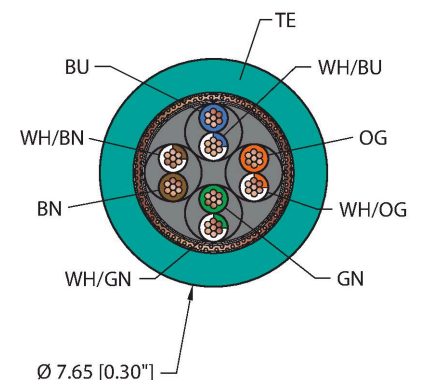
Type	RJ45S RJ45S 841-1M
ID	U8636-1
Connector A	Male, RJ45, Straight
Number of pins	8
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, PC, Transparent
Connector body	Plastic, TPU, Black
Protection class	IP20
	NEMA: 1
Connector B	Male, RJ45, Straight
Number of Pins	8
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, PC, Transparent
Connector body	Plastic, TPU, Black
Protection class	IP20
	NEMA: 1
Cable	
Cable ID	RF50893
Network protocol	Ethernet, 841
Number of cores	8
Cable diameter	Ø 7.65 mm
Cable length	1 m
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (OUT), 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

Features



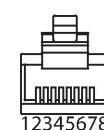
- Cable length: 1.0 m
- RJ45 male connector, straight, 8-pin
- RJ45, Male, Straight, 8-pin, Shielded
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT5E, TPE jacket, teal, shielded, 4UTP × 24 AWG
- -40 °C cold bending strength
- Fire classes: UL 1685, UL1061
- Flexlife and C-Track approved

Cable Cross-Section



Contact assignment

Connector A Connector B



Technical data

Subassembly 1	
Description of assembly	UTP (unshielded twisted pair)
Number of pairs	4
Conductor diameter	0.046 "
Core insulation	HDPE
Core cross-section	2x24 AWG [Similar to 0.25 mm ²]
braid arrangement	7x32 AWG
Electrical properties at +20 °C	
Rated voltage	42 V
Current	1.5 A
Mechanical and chemical properties	
Bending radius (stationary installation)	≥ 4 x Ø
Bending radius (C-Track)	≥ 4 In.
Bending cycles (C-Track)	35 Million *
Torsional stress	± 270 °/m
Torsion cycles	Max. 3 million
Torsion speed	52 Cycles/min
Cold flexural strength	-40 °C
	When correctly installed at 20 °C, 50% RH
C-track	Yes
Ambient temperature (fixed)	-40...+80 °C
Ambient temperature (mobile)	5...+80 °C
Ambient temperature during installation	-10...+80 °C
Approval	
Approvals	UL Listed CE UKCA RoHS
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.

Circuit Diagram

