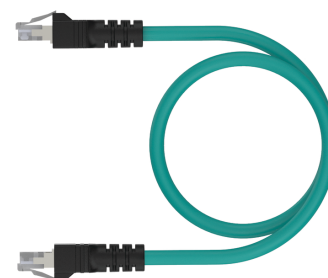
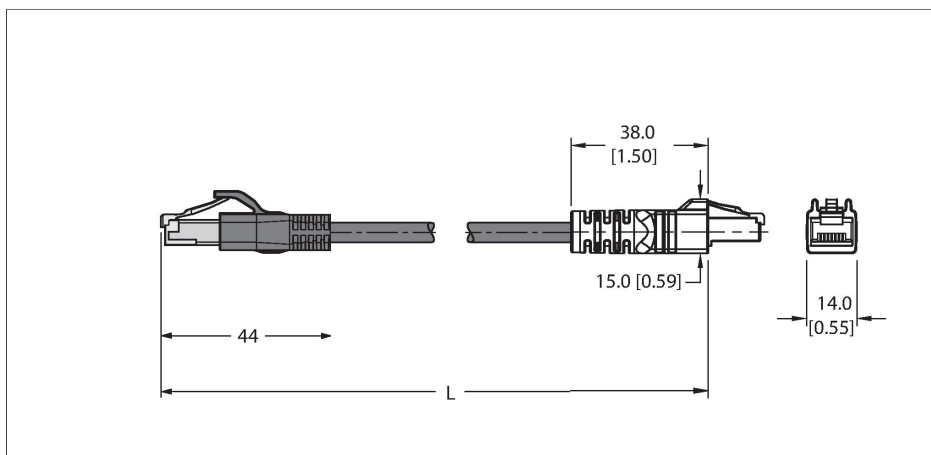


RJ45 RJ45 440-1M

Industrial Ethernet Cable – Extension Cable



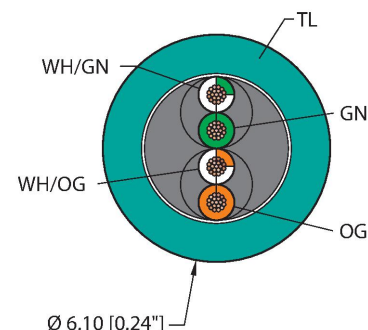
Technische Daten

Type	RJ45 RJ45 440-1M
ID	U-04973
Connector A	Male, RJ45, Straight
Number of contacts	4
Contacts	Metal, CuSn, Gold-plated
Contact carriers	Plastic, PC, Black
Connector body	Plastic, TPU, Black
Protection class (When coupled)	IP20
	NEMA: 1
Connector B	Male, RJ45, Straight
Number of contacts	8
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, PC, Transparent
Connector body	Plastic, TPU, Black
Pollution degree	2
Protection class (When coupled)	IP20
	NEMA: 1
Cable data	
Cable ID	RF51210
Fieldbus	Ethernet, 440
Total number of conductors	4
Cable diameter	Ø 6.1 mm
Length (L)	1 m
Cable jacket	TPE, Teal

Features

- RJ45 male connector, straight, 8-pin
- Ethernet cable: 4-pin, AWG 24, CAT 5e
- Jacket material: TPE
- Jacket color: green
- Jacket diameter: 6.1 mm
- Cable length: 1.0 m
- Protection class: IP20
- Cable length: 1.0 m
- RJ45, Male, Straight, 8-pin
- RJ45, Male, Straight, 8-pin
- Unshielded Twisted Pair
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, TPE jacket, Teal, 2UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-Track Approved

Cable cross section

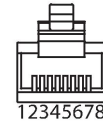


Technische Daten

Conductor material	TC (tinned copper)
Conductor colors	WH/GN, GN, WH/OG, OG
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	2
Conductor diameter	0.042 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x24 AWG [Similar to 0.25 mm²]
Number of strands x O.D.	7x32 AWG
Electrical properties at +20 °C	
Rated voltage	42 V
Current	1.5 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
Approval	
Approvals	UL Listed 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.	

Contact assignment

Connector A



Connector B



Pin Assignment Left



1 = TX +
2 = TX -
3 = RX +
4 = n.c.
5 = n.c.
6 = RX -
7 = n.c.
8 = n.c.

Circuit Diagram

