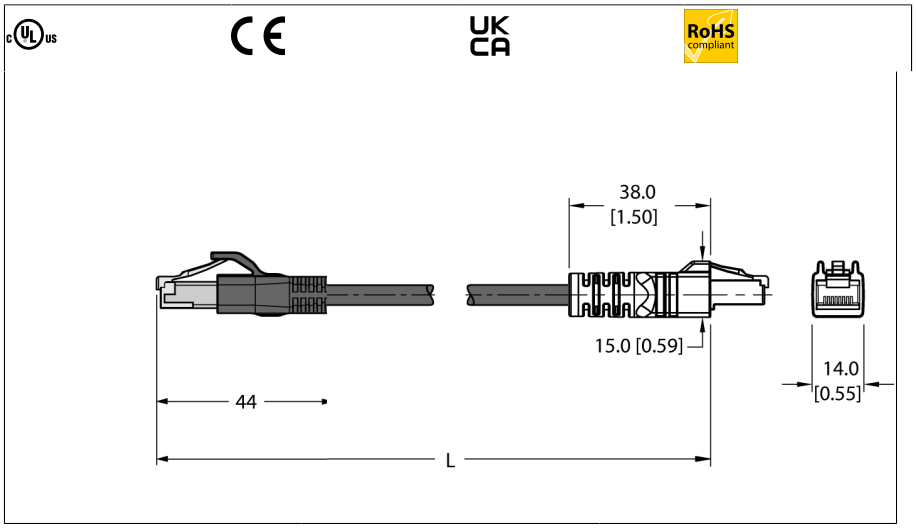
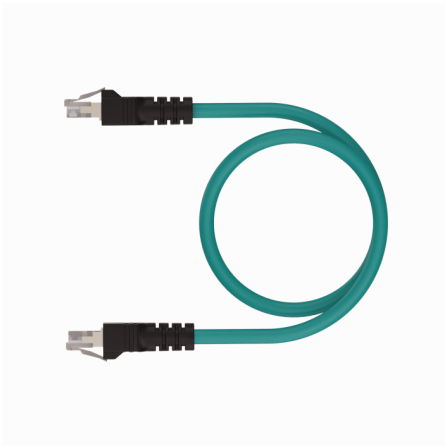
Industrial Ethernet Cable
Verbindungsleitung
RJ45 RJ45 440-2M





- Cable length: 2.0 m
- RJ45 male connector, straight, 8-pin
- RJ45, Male, Straight, 8-pin, Shielded
- Litzen paarverseilt; ungeschirmt
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT5E, TPE jacket, turquoise, 2UTP × 24 AWG
- -40 °C cold bending strength
- Fire classes: UL 1685, UL 1061
- Flexlife and C-Track approved

Type	RJ45 RJ45 440-2M
ID	U-04974

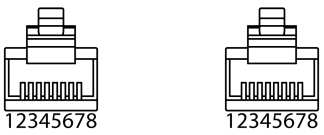
Connector A	Male, RJ45, Straight
Number of pins	4
Contact carriers	Plastic, PC, Black
Connector body	Plastic, TPU, Black
Protection class	IP20
	NEMA: 1

Connector B	Male, RJ45, Straight
Number of Pins	8
Contact carriers	Plastic, PC, Transparent
Connector body	Plastic, TPU, Black
Pollution degree	2
Protection class	IP20
	NEMA: 1

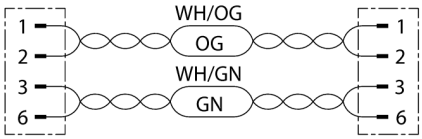
Cable	

Cable ID	RF51210
Network protocol	Ethernet, 440
Number of cores	4
Cable diameter	Ø 6.1mm
Cable length	2 m m
Cable jacket	TPE, Teal
Conductor material	TC (tinned copper)
Core colors	WH/GN, GN, WH/OG, OG

Description of assembly	UTP (unshielded twisted pair)
Number of pairs	2
Conductor diameter	0.042 ”
Core insulation	HDPE
Core cross-section	2x24 AWG [Similar to 0.25 mm²]
braid arrangement	7x32AWG



Circuit Diagram



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Electrical properties at +20 °C	
Rated voltage	42V
Current	1.5AA

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
Torsion cycles	Max. 3 million
Torsion speed	52 Cycles/min
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 (fixed)	-40…+80°C
Ambient temperature (mobile)	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.

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