

ARTISAN®
TECHNOLOGY GROUP

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Full-service, independent repair center
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We buy your excess, underutilized, and idle equipment
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Custom engineering
so your equipment works exactly as you specify.

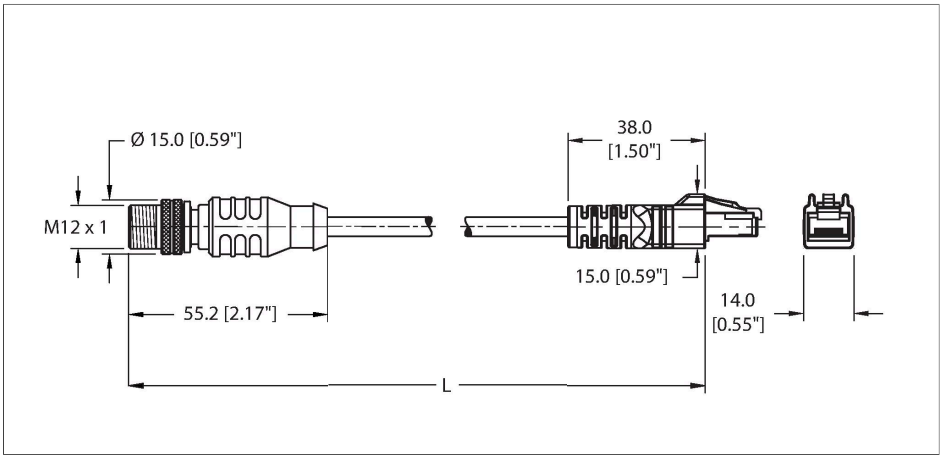
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- In stock / Ready-to-ship
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- ITAR-certified secure asset solutions

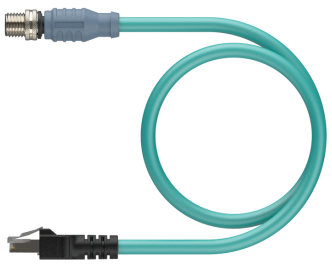
Expert team | Trust guarantee | 100% satisfaction

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RSSD RJ45 441-xM
– Extension Cable





Technical data

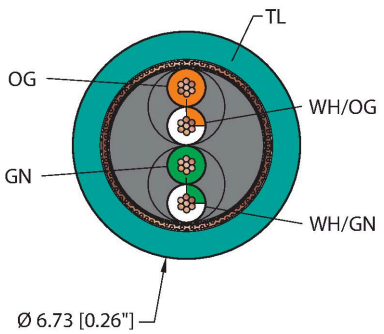
Type	RSSD RJ45 441-xM
ID	777011861
Connector A	Male, M12 × 1, Straight, D-code
Number of contacts	4
Contacts	Bronze, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 … 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67
Connector B	Male, 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
Cable data	
Cable ID	RF51211
Fieldbus	441
Total number of conductors	4

Features

IP67/IP68
IP69/IP69K
DEGREE OF PROTECTION

- M12, Male, Straight, 4-pin, D-code
- RJ45, Male, Straight, 8-pin
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Teal TPE jacket, shielded, 2UTPX24 AWG
- -40 Cold Bend Rating
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-Track Approved

Cable cross section



Contact assignment

RSSD RJ45 441-xM| 06/06/2023 21-35 | technical changes reserved

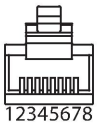
Technical data

Cable diameter	Ø 6.73 mm
Cable jacket	TPE, Teal
Shield	Aluminum/polyester (OUT)
Braided material	38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	OG, WH/OG, GN, WH/GN
Sub assembly 1	
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	2
Conductor diameter	0.048 ”
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	48 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 @ 52 Cycles/min
Torsion rating	3 million cycles *
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 °C…+80 °C
Ambient temperature range (dynamic)	5 °C…+80 °C
Temperature range (installation)	-10 °C…+80 °C
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

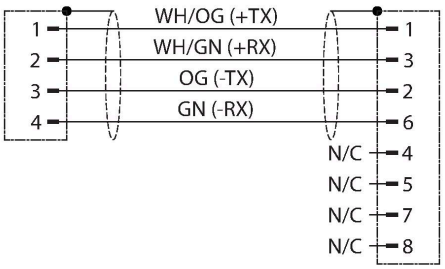
Connector A



Connector B



Circuit Diagram



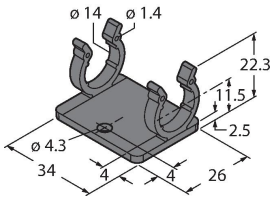
RSSD RJ45 441-xM| 06/06/2023 21-35 | technical changes reserved

Technical data

	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.

Accessories

M12-CORDSETS-MOUNTING-CLIP-(10/BAG)	100016882



10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.

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