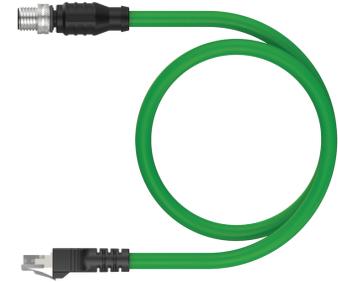
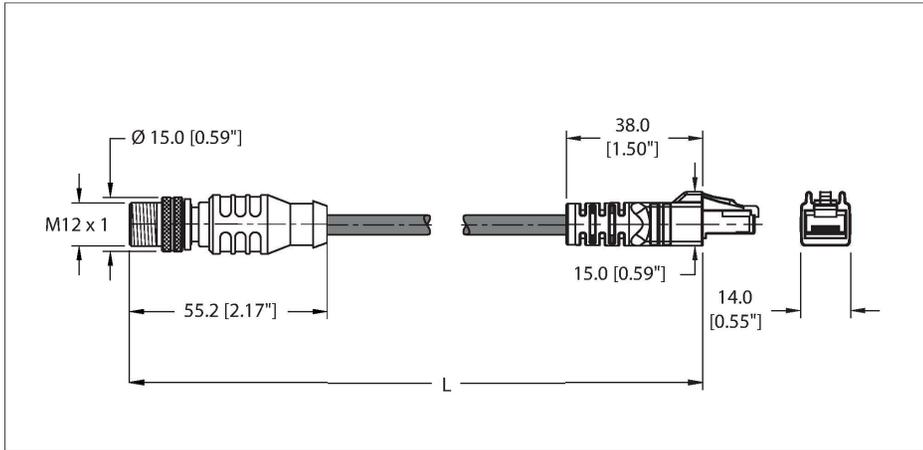


RSSD RJ45S 423-50M PROFINET Cordset – Patch Cable



Technical data

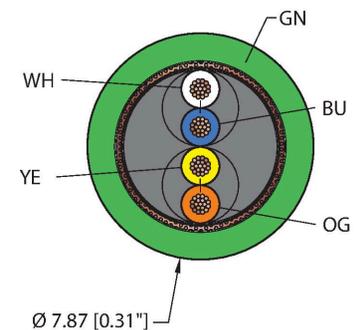
Type	RSSD RJ45S 423-50M
ID	U-41386
Connector A	Male, M12 × 1, Straight, D-code
Number of contacts	4
Contacts	Brass, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (note max. torque 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
Protection class (When coupled)	IP20
	NEMA: 1
Cable data	
Cable ID	RF52558
Fieldbus	PROFINET, 423/420
Total number of conductors	4

Features



- Cable length: 50 m
- M12, Male, Straight, 4-pin
- Shield to coupling nut
- D-code
- RJ45, Male, Straight, 8-pin, Shielded
- Unshielded Twisted Pair
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Green TPE jacket, shielded, 2UTPX22 AWG
- Sunlight Resistant
- Oil Resistant
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-track rated

Cable cross section



Contact assignment

Technical data

Cable diameter	Ø 7.87 mm
Length (L)	50 m
Cable jacket	TPE, Green
Shielding	Aluminum/polyester (OUT), 38 AWG, TC (Tinned Copper), 75% coverage
Conductor material	TC (tinned copper)
Conductor colors	WH, BU, YE, OG
Description of assembly	UTP (Unshielded Twisted Pair)
Number of pairs	2
Conductor diameter	0.058 "
Conductor insulation material	HDPE
Cable conductor cross-section	2x22 AWG [Similar to 0.34 mm ²]
Number of strands x O.D.	19x0.0058 "

Electrical properties at +20 °C

Rated voltage	42 V
Rated voltage	30 V _{AC} /42 V _{DC}
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	± 180 °/m
Torsion rating	Max. 5 million
Torsional stress	52 Cycles/min

*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

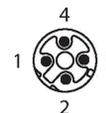
Approval

Approvals	UL 1863 FM Div.2 CE UKCA RoHS
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Note

- Flex ratings may be reduced if used in extreme temperatures, exposure to

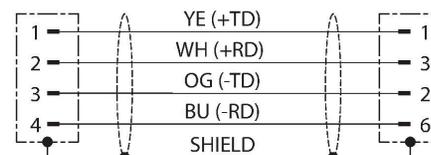
Connector A



Connector B



Circuit Diagram



Technical data

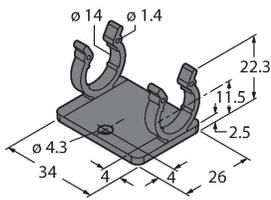
certain chemicals, operating above the rated cycle speed, or operating below the rated cable bend radius.

- 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.