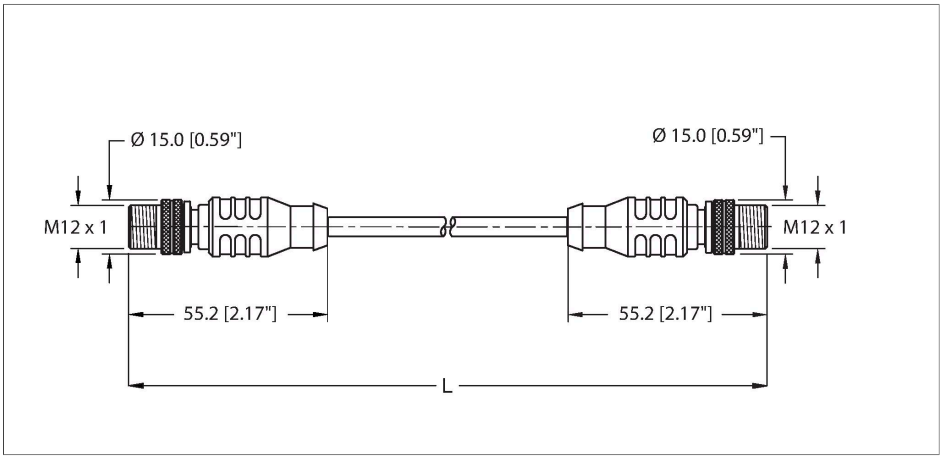
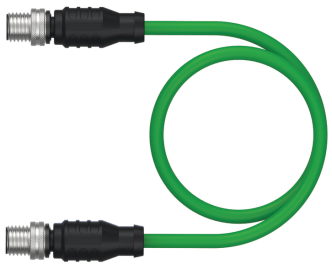
RSSD RSSD 423-1M
PROFINET Cordset – Patch Cable





Technical data

Type	RSSD RSSD 423-1M
ID	U-38542
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, M12 × 1, Straight, D-code
Design specification	Acc. to IEC 61076-2-101
Number of contacts	4
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut	Brass, CuZn, Nickel-plated
Tightening torque	0.8 … 1 Nm (note max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class (When coupled)	IP67

Features

IP67/IP68 IP69/IP69K DEGREE OF PROTECTION

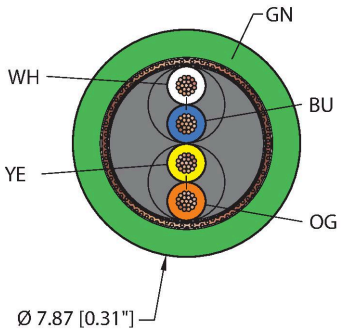
- Cable length: 1.0 m
- M12, Male, Straight, 4-pin
- Shield to coupling nut
- D-code
- M12, Male, Straight, 4-pin
- Shield to coupling nut
- D-code
- Unshielded Twisted Pair
- Industrial Ethernet Cable
- fieldbus type: Ethernet CAT5E, Green TPE jacket, shielded, 2UTPX22 AWG
- Sunlight Resistant
- Oil Resistant
- Flame Ratings: UL 1685, UL1061
- Flexlife® and C-track rated

Cable cross section

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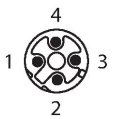
Technical data

Cable data	
Cable ID	RF52558
Fieldbus	PROFINET, 423/420
Total number of conductors	4
Cable diameter	Ø 7.87 mm
Length (L)	1 m
Cable jacket	TPE, Green
Shielding	Aluminum/Polyester Shield (Foil Out) 38 AWG Tinned Copper Braided Shield (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 mm²]
Number of strands x O.D.	19x0.0058 "
Electrical properties at +20 °C	
Rated voltage	30 V_{AC}/42 V_{DC}
Current	4 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

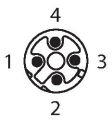


Contact assignment

Connector A



Connector B



Circuit Diagram



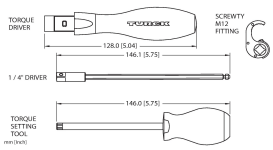
RSSD RSSD 423-1M| 06/30/2026 14-38 | technical changes reserved

Technical data

	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.

Accessories

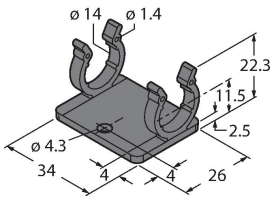
TORQUE-WRENCH-SET-M12-LEGACY **A900153**



Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit

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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