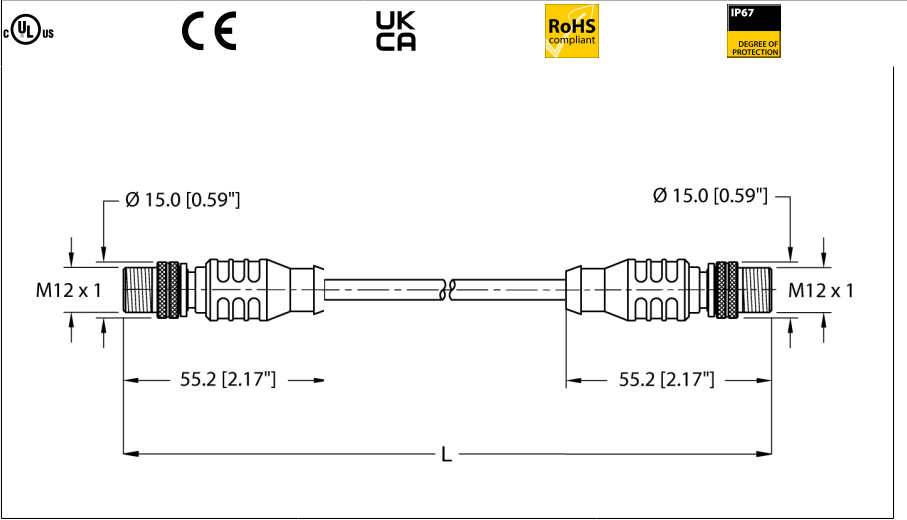
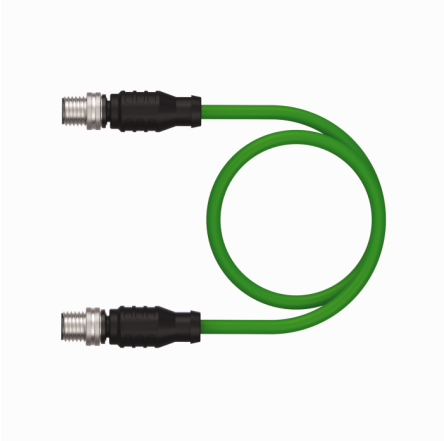


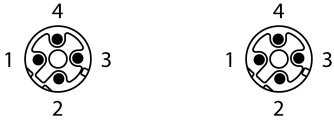
PROFINET Cordset
Verbindungsleitung
RSSD RSSD 423-2M



Type	RSSD RSSD 423-2M
ID	U-45540
Connector A	Male, M12 × 1, Straight, D-coded
Number of pins	4
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut/screw	Brass, CuZn, Nickel-plated
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67
Connector B	Male, M12 × 1, Straight, D-coded
Design specification	acc. to IEC 61076-2-101
Number of Pins	4
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67
Cable	



- Cable length: 2.0 m
- M12 male connector, straight, 4-pin
- Shielding on coupling nut/retaining screw
- D-coded
- M12 male connector, straight, 4-pin
- D-coded
- Litzen paarverseilt; ungeschirmt
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT5E, TPE jacket, green, shielded, 2UTP × 22 AWG
- UV resistant
- Oil resistant
- Fire classes: UL 1685, UL 1061
- Flexlife



Circuit Diagram



Cable ID	RF52558
Network protocol	PROFINET, 423/420
Number of cores	4
Cable diameter	Ø 7.87mm
Cable length	2 m m
Cable jacket	TPE, Green
Shielding	Aluminum/polyester (OUT), 38 AWG, TC (tinned copper), 75% covered
Conductor material	TC (tinned copper)
Core colors	WH, BU, YE, OG

Description of assembly	UTP (unshielded twisted pair)
Number of pairs	2
Conductor diameter	0.058 "
Core insulation	HDPE
Core cross-section	2x22 AWG [Similar to 0.34 mm ²]
braid arrangement	19x0.0058"

Electrical properties at +20 °C	
Rated voltage	30V _{AC} /42V _{DC}
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	± 180 °/m
Torsion cycles	Max. 5 million
Torsion speed	52 Cycles/min
	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.