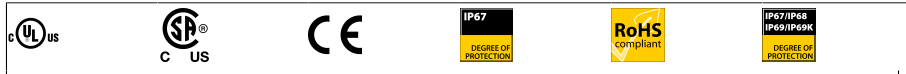
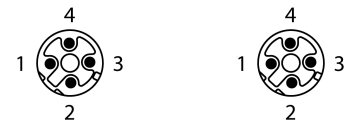
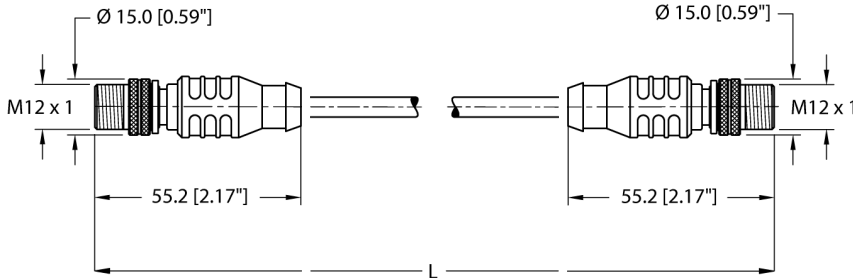


Verbindungsleitung
RSSD RSSD 441-2M

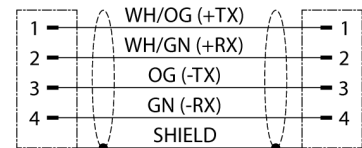


- M12 male connector, straight, 4-pin, D-coded
- M12 male connector, straight, 4-pin
- Industrial Ethernet cable
- Fieldbus type: Ethernet CAT5E, TPE jacket, turquoise, shielded, 2UTP × 24 AWG
- -40 °C cold bending strength
- Fire classes: UL 1685, UL 1061
- Flexlife and C-Track approved
- Cable length: 2 m



Type designation	RSSD RSSD 441-2M
Ident no.	U-02482
Connector A	Male, M12 × 1, Straight, D-coded
Number of Pins	4
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut/screw	Brass, CuZn, Nickel-plated
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Protection class	IP67
Tightening torque (range)	0.8 ... 1 Nm (observe max. torque of mating connector!)
Connector B	Male, M12 × 1, Straight, D-coded
Number of pins	4 pins
Contacts	Bronze, CuSn, Gold-plated
Contact carriers	Plastic, Nylon or TPU, Black
Connector body	Plastic, TPU, Blue gray
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Mechanical life	> 100 Mating cycles
Pollution degree	3
Protection class	IP67
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)
Cable	
Cable ID	RF51211
Network protocol	441
Cable diameter	6.73
Cable length	2 m, (+ 50 mm or 4 % of the length/-0.0, depending on which value is larger) m
Cable jacket	TPE, Teal
Shielding	Aluminum/polyester (OUT)
Conductor material	TC (tinned copper)
Core colors	OG, WH/OG, GN, WH/GN
Electrical properties at +20 °C	
Rated voltage	48VV
Current	4 A

Circuit Diagram



Verbindungsleitung RSSD RSSD 441-2M

Mechanical and chemical properties

Bending radius (stationary installation)	≥ 4 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Torsional stress	± 270 °/m
Torsion cycles	3 million Cycles
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 range (stationary)	-40...+80°C
Ambient temperature range (In motion)	5...+80°C
Ambient temperature during installation	-10...+80 °C

Approvals

UL 1863
CSA C22.2 No. 233-09
CE
UKCA
RoHS

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.