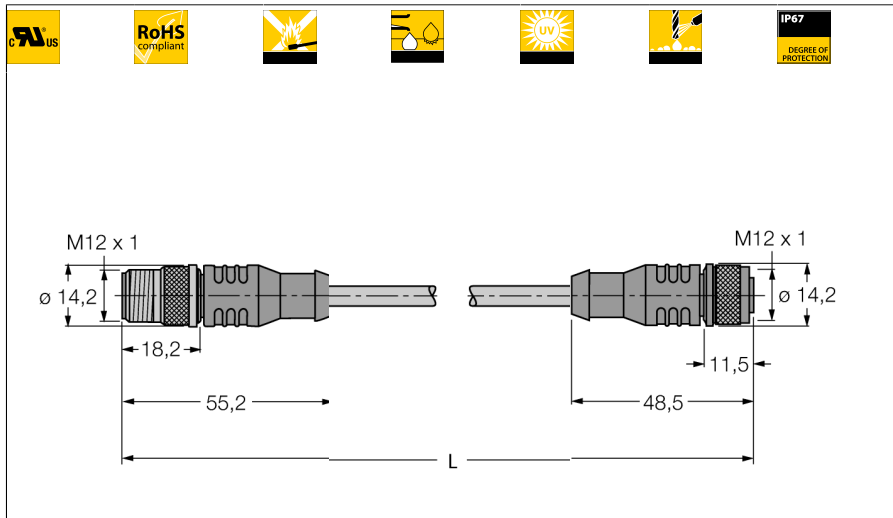




- PROFIBUS cable: 2 x 0.34 mm²
- Jacket material: PUR, color: purple
- Jacket diameter: 7.6 mm
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame-retardant acc. to DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
- Halogen-free acc. to DIN EN 50267-2-1, VDE 0482-267-2-1, IEC 60754-1
- Free from silicone, PVC and LABS
- Resistant to microbes and hydrolysis
- RoHS-compliant
- UL-approved
- M12 female, straight, reverse-keyed
- M12 male, straight, reverse-keyed
- Cable length: 10 m

Type designation	RSSW-RKSW451-10M
Ident no.	6914122

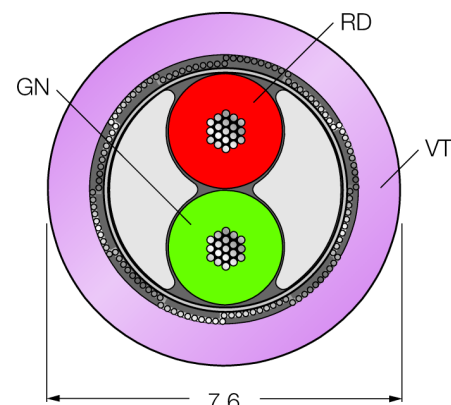
Connector A	Male, M12×1, Straight
Number of pins	5
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Coupling nut/screw	Brass, CuZn, Nickel-plated
Protection class	IP67, A + B side screwed together
Mechanical lifespan	> 100 Mating cycles
Pollution degree	3
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)

Connector B	Female, M12×1, Straight
Number of pins	5 pins
Contacts	Metal, CuZn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	plastic, PUR, Black
Seal	plastic, FPM/FKM
Coupling nut/retaining screw	Brass, CuZn, Nickel-plated
Protection class	IP67, Only when screwed tight
Mechanical lifespan	> 100 Mating Cycles
Pollution degree	3
Tightening torque	0.8 ... 1 Nm (observe max. torque of mating connector!)

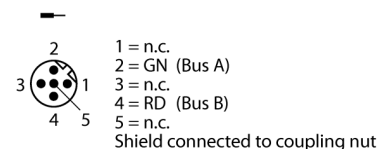
General data	
Cable diameter	7.6 ± 0.30mm
Cable length	10 m
Cable quality	PUR
Cable color	Violet
Conductor insulation	PE
Conductor colors	GN, RD
Core cross-section	2x0.34
Arrangement of strands	19x0.15
Shielding	Aluminum foil, tinned copper wire

Electrical properties at +20 °C	
Current	4 A
Rated voltage	250 V
Nom. impedance	160 (16 MHz) Ω
DC resistance (loop)	110 Ω/km
Nom. Inductance	0.78 mH/km
Nom. capacitance	28 pF/m
Test voltage	2000 V

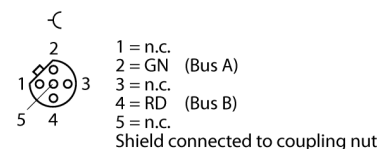
Cable Cross-section



Pin Assignment Left



Pin Assignment Right



PROFIBUS Cable
PUR Cable Jacket
RSSW-RKSW451-10M

Mechanical and chemical properties

Max. tensile strength (static)	$\leq 50 \text{ N/mm}^2$
Max. tensile strength (dynamic)	$\leq 20 \text{ N/mm}^2$
Bending cycles	$> 1 \text{ mil.}$
Bending radius (stationary laying)	$> 5 \times \varnothing$
Bending radius (flexible use)	$> 10 \times \varnothing$
Admissible acceleration	max. 5 m/s^2
Admissible travel path, horizontal	5 m (at 5 m/s^2)
Admissible travel path, vertical	2 m (at 5 m/s^2)
Admissible traversing speed	3.33 m/s
Ambient temperature	
Stationary	$-50 \dots +80^\circ\text{C}$
In motion	$-25 \dots +80^\circ\text{C}$
Drag chain operation	$-25 \dots +60^\circ\text{C}$