

- PROFIBUS cable: 2 x 0.34 mm²
- Sheath material: PUR, color: purple
- Sheath diameter: 7.6 mm
- Qualified 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 conform
- UL approved
- M12 x 1 female, straight, reverse-keyed
- M12 male, angled, reverse-keyed
- Cable length: 1.0 m

Type designation WSSW-RKSW451-1M
Ident no. 6914245

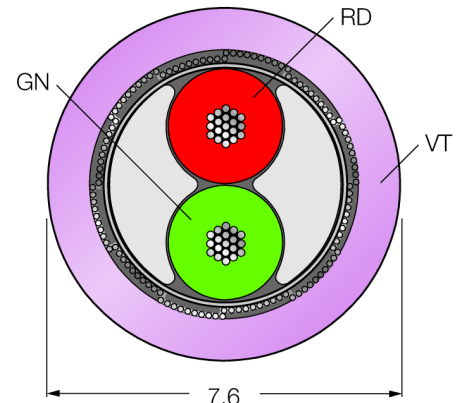
Connector A side
Number of pins 5
Contacts Metal, CuZn, Gold-plated
Contact carriers Plastic, TPU, Black
Grip Plastic, TPU, Black
Coupling nut/screw Brass, CuZn, Nickel-plated
Protection class IP67, A + B side screwed together
Mechanical lifespan > 100 Mating cycles
Pollution degree 3
Tightening torque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

Connector B side
Number of pins 5 pins
Contacts metal, CuZn, Gold-plated
Contact carriers Plastic, TPU, Black
Grip plastic, PUR, black
Seal plastic, FPM/FKM
Coupling nut/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 counter piece!)

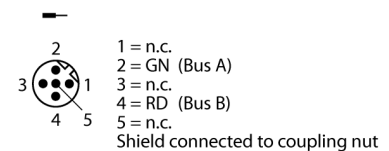
General data
Cable diameter 7.6 + 0.30mm
Cable length 1 m
Cable quality PUR
Cable color Purple
Core insulation PE
Core colors GN, RD
Core cross-section 2x0.34mm²
Arrangement of strands 19x0.15 mm
Shielding Aluminum foil, tinned copper wire

Electrical features 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

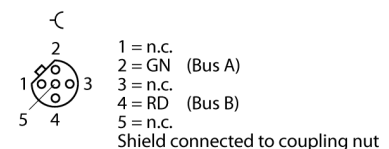
Cable Cross-section



Pin Assignment Left



Terminal assignment right



Mechanical and chemical properties

Max. tensile strength (static)	≤ 50 N/mm ²
Max. tensile strength (dynamic)	≤ 20 N/mm ²
Bending cycles	> 1 mil.
Bending radius (stationary laying)	> 5 x Ø
Bending radius (flexible use)	> 10 x Ø
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...+80°C
In motion	-25...+80°C
Drag chain operation	-25...+60°C