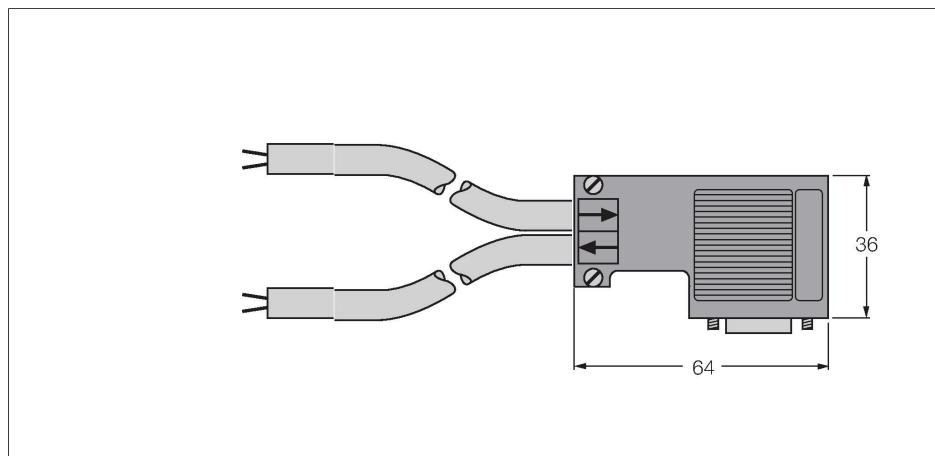


# D9-451-1M-1M

## PROFIBUS Cable – PUR Cable Jacket



### Features

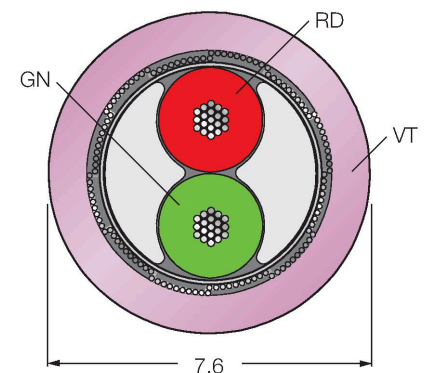


- PROFIBUS cable: 2 x 0.34 mm<sup>2</sup>
- Jacket material: PUR, color: purple
- Jacket diameter: 7.6 mm
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame-retardant acc. to DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
- Halogen-free acc. to DIN EN 50267-2-1, VDE 0482-267-2-1, IEC 60754-1
- Free from silicone, PVC and LABS
- Resistant to microbes and hydrolysis
- RoHS-compliant
- UL-approved
- 2 x open cable end
- SUB-D with 2 cable exits
- Cable length: 2 x 1.0 m

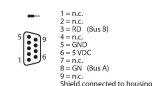
### Technical data

Type	D9-451-1M-1M
ID	6915748
Protection class	Only in screwed condition
Connector B	Male, D-Sub, Angled
Number of pins	9
Connector body	Black
Protection class	IP20, Only when screwed together
<b>Cable</b>	
Network protocol	PROFIBUS-DP, 451
Cable diameter	Ø 7.6 mm +0.30
Cable length	1 m, 1 m
Cable jacket	PUR, Violet
Shielding	Aluminum foil, tinned copper wire
Core insulation	PE
Core cross-section	2 x 0.34 mm <sup>2</sup>
Arrangement of strands	19 x 0.15 mm
Core colors	GN, RD
<b>Electrical properties at +20 °C</b>	
Rated voltage	250 V
Test voltage	2000 V
Current	4 A
DC resistance (loop)	110 Ω/km
Nom. impedance	160 Ω (16 MHz)
Nom. capacitance	28 pF/m
Nom. Inductance	0.78 mH/km
Damping	< 43.60 dB/km at 16.0 MHz

### Cable Cross-Section



### Contact assignment



## Technical data

Mechanical and chemical properties	
Max. tensile strength (static)	≤ 50 N/mm <sup>2</sup>
Max. tensile strength (dynamic)	≤ 20 N/mm <sup>2</sup>
Bending radius (stationary installation)	≥ 5 x Ø
Bending radius (flexible use)	≥ 10 x Ø
Bending cycles	≥ 1 million
Admissible acceleration	max. 5 m/s <sup>2</sup>
Admissible travel path, horizontal	5 m (at 5 m/s <sup>2</sup> )
Admissible travel path, vertical	2 m (at 5 m/s <sup>2</sup> )
Admissible traversing speed	3.33 m/s
Ambient temperature range (stationary)	-50 °C...+80 °C
Ambient temperature range (In motion)	-25 °C...+80 °C
Ambient temperature during drag chain operation	-25 °C...+60 °C
Other Features	
Qualified for drag chain use	yes
Halogen-free	yes
Silicone-free	yes
LABS free	yes
PVC-free	yes
Resistant to chemicals	yes
UV resistance	yes
Oil-resistant	yes
Flame-retardant	yes
Approvals	UL CSA