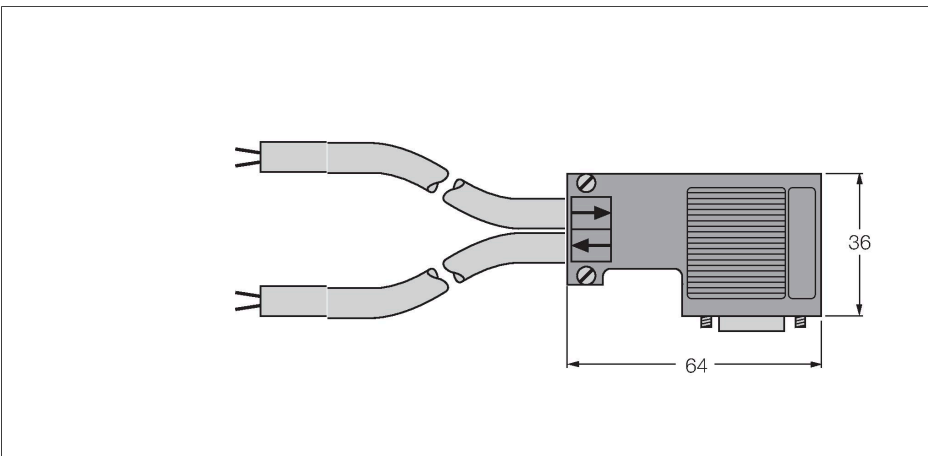


D9-451-1M-1M

PROFIBUS Cable – PUR Cable Jacket



Technical data

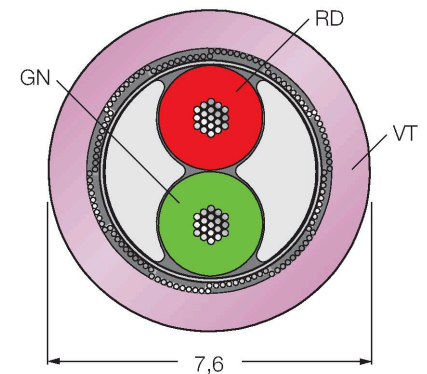
Type	D9-451-1M-1M
ID	6915748
Protection class	Only in screwed condition
Connector B	Male, D-Sub, Angled
Number of pins	9
Connector body	Black
Protection class	IP20, Only when screwed together
Cable	
Network protocol	PROFIBUS-DP, 451
Cable diameter	Ø 8.2 mm +0.30
Cable length	1 m, 1 m
Cable jacket	PUR, Violet
Shielding	Aluminum foil, tinned copper wire
Core insulation	PE
Core cross-section	2 x 0.34 mm ²
Arrangement of strands	19 x 0.15 mm
Core colors	GN, RD
Electrical properties at +20 °C	
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

Features

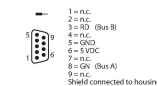


- PROFIBUS cable: 2 x 0.34 mm²
- Jacket material: PUR, color: purple
- Jacket diameter: 8.2 mm
- Suitable for drag chain use
- Resistant to chemicals, UV radiation and oils
- Flame retardant acc. to DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
- Halogen free acc. to DIN EN 50267-2-1, VDE 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

Cable Cross-Section



Contact assignment



Technical data

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 radius (stationary installation)	$\geq 5 \times \varnothing$
Bending radius (flexible use)	$\geq 10 \times \varnothing$
Bending cycles	$\geq 3 \text{ million}$
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 range (stationary)	$-50 \dots +80 \text{ }^\circ\text{C}$
Ambient temperature range (In motion)	$-25 \dots +80 \text{ }^\circ\text{C}$
Ambient temperature during drag chain operation	$-25 \dots +60 \text{ }^\circ\text{C}$
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