

PROFIBUS

Profibus cable

DESIGN



- 1 | Copper conductor, round solid
- 2 | Core insulation (PE), cores stranded to pair
- 3 | Taping (plastic foil)
- 4 | Screen (plastic laminated aluminium tape and braided with tinned copper wires sreen)
- 5 | Sheath (PVC violet RAL 4001)

APPLICATION

Connecting cable in machine controls, e.g. as a connecting cable between bus segments.

TECHNICAL DATA



Standard:
EN 50170



Operating voltage:
max. 250 V



Test voltage:
1.5 kV / 50 Hz



Temperature range:
laying temperature: min. -10 °C up to 80 °C
operating temperature: -30 °C up to 80 °C



Bending radius (min.):
75 mm



Core identification:
red, green



Fire properties:
EN 60332-1-2: flame retardant
CPR classification: E_{ca}

ELECTRICAL PARAMETERS

Conductor diameter	(mm)	0.64
Loop resistance, max.	(Ω/km)	133
Insulation resistance, min. at 20 °C	(MΩ.km)	1000
Mutual capacitance	(nF/km)	appr. 30
Characteristic impedance, ± 10%	(Ω)	150

Number of pairs x nominal diameter (mm)	Outer diameter (mm) appr.	Total weight (kg/km) appr.	Standard lengths/packing (m)
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1 x 2 x 0.64	7.9	57	1000 Sp

Technical changes reserved. All figures are therefore without guarantee.

30.8.2022, 13:41