



Construction

Conductor	Bare copper wire Diameter: 1x0,64mm (AWG22)
Insulation	Foam polyolefin (Foam-Skin) Diameter: 2,5mm Colours: Red, Green
General assembly	Two insulated conductors twisted together as a pair
Screen	Aluminium/polyester tape Coverage: 100% + Tinned copper wire braid Coverage: 85%
Outer sheath	Halogen free compound Colour: Violet (RAL 4001)

Technical characteristics

Operating voltage	30 V
Test Voltage	1000 V
Operating T^a	-20°C +80°C
Min. bending radius	5xD
Mutual capacitance	30 pF/m Max.
Characteristic Impedance	150 ± 15 Ohm
Transmission speed	12 Mbit/s (200m maximum length) 0,6 kbit/s (1000m maximum length)
Conductor resistance	60 Ohm/Km Max.
Insulation resistance	200 MOhm*Km Min.

Application

Bus cable for data transmission systems (Profibus DP) in industrial processes in fixed installations. When zero halogen emission is required in case of fire.

Standards / Properties

Standards	UL 80°C 30V - CSA AWM I/II A/B 80°C 30V
Flame Retardant	UL VW-1 - CSA FT1 - IEC 60332-1 - CEI 20-35



Constructive data

Code	Composición	Ø (mm)	Weight (kg/km)
35100003	1x2x0,64 mm	8,0	72

Legend

Code	Cervi codification
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)