



## Construction

<b>Conductor</b>	Bare copper wire Diameter: 1x0,64mm (AWG22)
<b>Insulation</b>	Foam polyolefin Diameter: 2,5mm Colours: Red, Green
<b>General assembly</b>	Two insulated conductors twisted together as a pair
<b>Screen</b>	Aluminium/polyester tape Coverage: 100% + Tinned copper wire braid Coverage: 60%
<b>Outer sheath</b>	PVC Colour: Violet (RAL 4001)

## Technical characteristics

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

## Application

Bus cable for data transmission systems (Profibus DP) in industrial processes in fixed installations.

## Standards / Properties

<b>Standards</b>	UL 80°C 30V - CSA AWM I/II A/B 80°C 30V
<b>Flame Retardant</b>	UL VW-1 - CSA FT1 - IEC 60332-1 - CEI 20-35
<b>Hydrocarbon resistant</b>	UL 1581 - VDE 0472 part 803 A/B - HD 22.10 S1 - CNOMO E.03.40.150N
<b>Water resistant</b>	UL 1581 - IEC 60811



flame retardant



electromagnetic  
protection



hydrocarbon  
resistant



water resistant



UL<sup>®</sup> US



## Constructive data

Code	Composición	Ø (mm)	Weight (kg/km)
35100001	1x2x0,64 mm	7,90	66.1

### Legend

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