



Construction

Fixed installations (PVC) and dynamic applications (PUR)

Conductor	Flexible bare copper wires Class V Acc. to UNE-EN 60228 for fixed applications and extra-flexible (Clase VI) for dynamic applications
Insulation	Polyolefin Identification: <ul style="list-style-type: none">· 1x2: White, Brown· 2x2: White+Brown, Green+Yellow
Assembly	Twisted pairs laid-up together + Polyester tape
Overall screen	· Fixed applications: Tinned copper wire braid Coverage: 85% Min. · Dynamic applications: Aluminium/polyester tape + Tinned copper wire braid Coverage: 85% Min.
Outer sheath	PVC for fixed applications and Polyurethane(PUR) for dynamic applications Colour: Violet (RAL 4001) according DESINA

Technical characteristics

Operating voltage	30 V / 300V
Test Voltage	1000V / 2000V
Operating T^a (conductor)	· Fixed applications: -20°C +80°C · Dynamic applications: -40°C +80°C
Mutual capacitance	60 pF/m Max.
Characteristic Impedance	120±15 Ohm
Transmission speed	1000 kbit/s (Longitud Max. 40m) 500 kbit/s (Longitud Max. 300) 100 kbit/s (Longitud Max. 600) 50 kbit/s (Longitud Max. 1000)
Min. bending radius	· Fixed applications: 5xD · Dynamic applications: 7,5xD

· CABLE FOR DYNAMIC APPLICATIONS:

Maximum chain speed	300 m/min
Maximum acceleration	50 m/s ²
Maximum chain length	15m (horizontal)
Flexible life	6.000.000 cycles

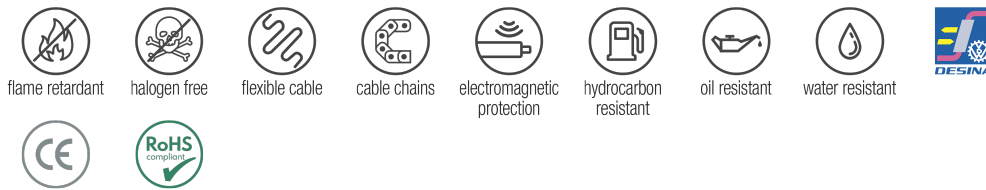
Application

CAN OPEN/CAN BUS

The version with high mechanical strength PUR-jacket is especially recommended for highly flexible applications and is suitable for dynamic applications in cable trays.

Standards

Ref. standard for drawing	UL 80°C 300V - CSA AWM I/II A/B 80°C 300V UL 80°C 30V - CSA AWM I/II A/B 80°C 30V
Flame Retardant	CEI 20-35 ; EN/IEC 60332-1 ; UL VW-1 ; CSA FT1
Oil and hydrocarbon resistant	UL 1581 ; VDE 0472 part 803 A/B ; HD 22.10 S1 ; CNOMO E.03.40.150N
Water resistant	UL 1581 - IEC 60811
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- CABLE FOR DYNAMIC APPLICATIONS:	
Halogen free	CEI 20-37 ; EN/IEC 60754-1



Constructive Data

Code	Version	NxS (mm2)	Ø (mm)	Weight (kg/km)
35100040	PVC	1x2x0,22	6	38
35100044	PVC	2x2x0,22	7.5	70
35100041	PVC	1x2x0,34	6.5	55
35100045	PVC	2x2x0,34	8.7	90
35100042	PVC	1x2x0,50	7.3	83
35100046	PVC	2x2x0,50	9	106
35100043	PVC	1x2x0,75	8.9	108
35100047	PVC	2x2x0,75	12.4	141
35100051	PUR	2x2x0,25	8.4	64
35100076	PUR	2x2x0,34	9.6	88
35100050	PUR	1x2x0,50	8.2	72
35100079	PUR	2x2x0,50	10.8	106

Legend

Code	Cervi codification
Version	Cable version
NxS (mm2)	Number of conductors x Section (mm2)
Ø (mm)	Aprox. outer diameter (mm)
Weight (kg/km)	Approximate cable weight (kg/km)