

## Bus-Can 1x2x0,5

### Design

- Wire: Stranded bare copper wire 7x0,32 Ø 0,94mm  
Insulation of foamed Polyethylene (PE) with skin Ø2,4mm
- Core: 2 wires, WH and BN twisted to a pair with fillers in gaps  
plastic tape, overlapped  
Shield braiding of tinned copper wires 0.13 mm dia  
coverage about 85% Ø 5,4mm
- Jacket: Polyvinylchloride (PVC) VT  
Wall thickness about 1.0 mm Ø (7,5  $\pm$ 0.3)mm (0,295 $\pm$ 0,012)

Printing: "sequential length in metres" letronic L Can Cable 1x2x0,5 AWM Style 20200

### Electrical data at 20°C

- Conductor resistance:  $\leq$  34.4 Ohm/km
- Insulation resistance:  $\geq$  5 GOhm\*km
- Capacitance (1kHz):  $\sim$  40 nF/km
- Characteristic impedance (1MHz): (120 $\pm$ 18) Ohm
- Surface transfer impedance of screen up to 30 MHz:  $\leq$  250 mOhm/m
- Relative velocity of propagation:  $\sim$  76 %
- Operating voltage (peak):  $\leq$  300 V
- Test voltage (wire/wire/screen rms 50Hz 1min) 2000 V

Frequency (MHz)	0,1	1	5	10	20
Attenuation typ. (dB/100m)	0,3	1,1	2,8	3,9	5,7
(dB/100ft)	(0,1)	(0,3)	(0,9)	(1,2)	(1,7)

### Mechanical and thermal characteristics:

Conductor material acc. to DIN EN 13602 Cu-ETP-A...  
Screen material acc. to DIN EN 13602 Cu-ETP-A...-B  
Insulating material acc. to DIN EN 50290-2-23(VDE 0819), table 2/A(HD624.3)  
Jacket material acc. to DIN EN 50290-2-22(VDE 0819), compoundtype TM52(HD 624.2)  
Flame retardant acc. to IEC 60332-1  
UL-Style 20200, 10233

### Other characteristics:

RoHS compliant (Directive 2011/65/EC)

- Permissible temperature range: -30°C (-22°F) up to 80°C (176°F)
- Min. bending radius allowed: repeated 7X Ø, single 5X Ø
- Weight about: 64 kg/km (42,9 lb/1000ft)

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- Weitere Anfertigungen auf Anfrage
- Alle Angaben ohne Gewähr