

Data sheet

chainflex® CFBUS.PVC



Bus cable (Class 4.3.2.1) ● For medium duty applications ● PVC outer jacket ● Shielded
 ● Oil-resistant ● Flame retardant



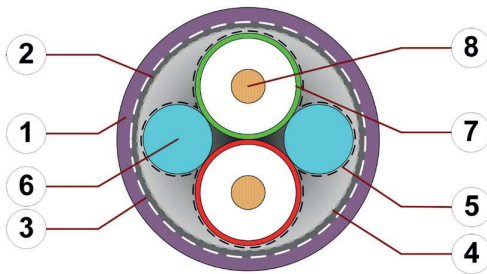
Example image

Profibus

CFBUS.PVC.001

Cable structure

(Electrical information please see next page)



1. Outer jacket: Pressure extruded, oil-resistant PVC mixture
2. Overall shield: Bending-resistant braiding made of tinned copper wires
3. Overall banding: Plastic fleece
4. Shield foil: Aluminium clad plastic foil
5. Banding: Plastic foil
6. Filler: Plastic dummy
7. Core insulation: Mechanically high quality TPE mixture (according to bus specification)
8. Conductor: Fine-wire strand in especially bending-stable version consisting of bare copper wires

Example image

For detailed overview please see design table

Design table

Part No.	Core group	Colour code	Core design
CFBUS.PVC.001	(2x0.25)C	red, green	



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Example image

Profibus

CFBUS.PVC.001

Electrical information

(Cable structure please see previous page)

Part No.	CFBUS.PVC.001
Nominal voltage	50 V
Testing voltage (following DIN EN 50289-1-3)	500 V
Characteristic wave impedance (following DIN EN 50289-1-11)	150 ± 15 Ω (≥ 1 MHz)
Operating capacity	30 pF/m

Line attenuation approx. [dB/100m]

Part No.	9.6 kHz	38.4 kHz	4 MHz	16 MHz
CFBUS.PVC.001	0.3	0.5	2.5	2.9

Conductor nominal cross section	Maximum conductor resistance at 20 °C (following DIN EN 50289-1-2)	Maximum current rating at 30 °C (following DIN VDE 0298-4)
[mm ²]	[Ω/km]	[A]
0.25	78.0	5

The final maximum current rating depends among other things on the ambient conditions, the type of the installation and the number of loaded cores.

