PUR Bus cable | CFBUS.PUR

Image exemplary.

- for medium load requirements
- PUR outer jacket
- shielded
- oil-resistant and coolant-resistant
- notch-resistant
- PVC-free/halogen-free
- flame-retardant
- hydrolysis-resistant and microbe-resistant

Conductor	Stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).	
Core insulation	According to bus specification.	
Core stranding	According to bus specification.	
Core identification	According to bus specification ▶ Schedule delivery program	
Overall shield	Bending-resistant braiding made of tinned copper wires. Coverage approx. 55% linear, approx. 80% optical.	
Outer jacket	Low-adhesion, highly abrasion-resistant mixture on the basis of PUR, adapted to suit the requirements in energy chains® (following DIN VDE 0282 Part 10). Colour: Red lilac (similar to RAL 4001)	
Bending radius	**moved**	minimum 12,5 x d
	fixed	minimum 7,5 x d
Temperature	**moved**	-20 °C to +70 °C
	fixed	-40 °C to +70 °C
v max. unsupported/gliding	3 m/s, 2 m/s	
a max.	30 m/s²	
Travel distance	Freely suspended travel distances and up to 20 m for gliding applications, Class 2	
UV-resistant	Medium	
Nominal voltage	50 V	
Testing voltage	500 V	
Oil	Oil-resistant (following DIN EN 50363-10-2), Class 3.	
Offshore	MUD-resistant following NEK 606 – status 2009.	
Flame-retardant	According to IEC 60332-1-2, CEI 20-35, FT1, VW-1	
Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).	
Halogen-free	Following EN 50267-2-1.	

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Class 4.2.3 (4 medium load requirements 2 travel distance up to 20 m 3 oil-resistant)

UL/CSA	Style 1598 and 20236, 30 V, 80 °C
NFPA	Following NFPA 79-2012 chapter 12.9
CEI	Following CEI 20-35
CE	Following 2006/95/EG
DESINA	According to VDW, DESINA standardisation
Lead free	Following 2011/65/EC (RoHS-II)
Clean room	According to ISO Class 1. Outer jacket material complies with CF77.UL.05.12.D, tested by IPA according to standard 14644-1
CTP	Certified according to N° C-DE.PB49.V.00396
EAC	Certified according to N° TC RU C-DE.ME77.B.00963

New! **Guaranteed lifetime for this series according to the "chainflex® guarantee club" conditions** ▶ Page 22-25

Double strokes*					5 million	7,5 million	10 million
Temperature, from/to [°C]	v max. [m/s] unsupported	v max. [m/s] gliding	a max. [m/s²]	Travel distance [m]	*R* min. [factor x d]	*R* min. [factor x d]	*R* min. [factor x d]
-20 / -10					15	16	17
-10 / +60	3	2	30	≤ 20	12,5	13,5	14,5
+60 / +70					15	16	17

* higher number of double strokes possible

Typical application area

- for medium load requirements
- almost unlimited resistance to oil
- indoor and outdoor applications without direct sun radiation
- freely suspended travel distances and up to 20 m for gliding applications
- Bus connection cable for machining units/machine tools, low-temperature applications

CFBUS.PUR
PUR
12,5 x d

PUR Bus cable | CFBUS.PUR

Class 4.2.3 (4 medium load requirements 2 travel distance up to 20 m 3 oil-resistant)

CFBUS.PUR
PUR
12,5 x d

Image exemplary.

Delivery program Part No.	Number of cores and conductor nominal cross section [mm²]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
Profibus				
CFBUS.PUR.001	(2x0,25)C	8,5	27	74
CAN-Bus				
CFBUS.PUR.021	(2x0,5)C	8,5	33	83
CFBUS.PUR.022[2]	(4x0,5)C	8,5	46	93
Ethernet/CAT5/GigE				
CFBUS.PUR.040[2]	(4x0,25)C	6,5	30	68
CFBUS.PUR.045	(4x(2x0,15))C	7,5	35	68
Ethernet/CAT6$_A$				
CFBUS.PUR.050	4x(2x0,20)C	9,5	69	122
FireWire IEEE 1394b				
CFBUS.PUR.056	(2x(2x0,15)C+2x0,38)C	9,0	62	94
Profinet				
CFBUS.PUR.060[2/16]	(4x0,38)C	7,0	35	66
USB 3.0				
CFBUS.PUR.068	(2x(2xAWG28)+2x(2xAWG28)C)C	7,0	41	66

Delivery program Part No.	Characteristic wave impedance approx. [Ω]	Core group	Colour code
Profibus			
CFBUS.PUR.001	150	(2x0,25)C	red, green
CAN-Bus			
CFBUS.PUR.021	120	(2x0,5)C	white, brown
CFBUS.PUR.022[2]	120	(4x0,5)C	white, green, brown, yellow (star-quad stranding)
Ethernet/CAT5/GigE			
CFBUS.PUR.040[2]	100	(4x0,25)C	white, green, brown, yellow (star-quad stranding)
CFBUS.PUR.045	100	(4x(2x0,15))C	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
Ethernet/CAT6$_A$			
CFBUS.PUR.050	100	4x(2x0,20)C	white/blue, white/orange, white/green, white/brown
FireWire IEEE 1394b			
CFBUS.PUR.056	100	(2x(2x0,15)C 2x0,38	orange/blue, blue/red black, white
Profinet			
CFBUS.PUR.060[2/16]	100	(4x0,38)C	white, orange, blue, yellow (star-quad stranding)
USB 3.0			
CFBUS.PUR.068	90	2x(2xAWG28) 2x(2xAWG28)C	red/black, green/white-green blue/yellow, red/fioletowy

The chainflex® types marked with (2) are cables designed as a star-quad.
(16) Colour outer jacket: Yellow green (similar to RAL 6018)
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with green-yellow earth core **x =** without earth core

Order example: CFBUS.PUR.001 – in your desired length (0,5 m steps)
CFBUS.PUR chainflex® series .001 Code BUS-type

prices **price list online**
www.chainflex.eu/CFBUSPUR

delivery time **despatched in 24 hours or today**

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1030 types from stock no cutting costs ...
(for up to 10 cuts of the same type)

... no minimum order quantity ...