


















PUR Control cable | CF2












- for maximum load requirements
- PUR outer jacket
- shielded
- oil-resistant and coolant-resistant
- flame-retardant
- notch-resistant
- hydrolysis-resistant and microbe-resistant

	Conductor	Stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).
	Core insulation	Cores < 0,5 mm²: Mechanically high-quality PP mixture. Cores ≥ 0,5 mm²: Mechanically high-quality PVC mixture (following DIN VDE 0207 Part 4).
	Core stranding	Number of cores < 12: cores stranded in a layer with short pitch length. Number of cores ≥ 12: cores combined in bundles and stranded together around a centre for high tensile stresses with adapted, short pitch lengths and pitch directions, especially low-torsion structure.
	Core identification	Cores < 0,5 mm²: Colour code in accordance with DIN 47100 Cores ≥ 0,5 mm²: cores black with white numerals, one core green-yellow
	Inner jacket	PVC mixture adapted to suit the requirements in energy chains®.
	Overall shield	Extremely bending-resistant braiding made of tinned copper wires. Coverage approx. 70% linear, approx. 90% 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: Anthracite grey (similar to RAL 7016)
	Bending radius	moved minimum 5 x d fixed minimum 4 x d
	Temperature	moved -20 °C to +80 °C fixed -40 °C to +80 °C
	v max.	10 m/s, 5 m/s
	unsupported/gliding	
	a max.	80 m/s²
	Travel distance	Freely suspended travel distances and up to 100 m for gliding applications, Class 4
	UV-resistant	High
	Nominal voltage	300/500 V (following DIN VDE 0245).
	Testing voltage	2000 V (following DIN VDE 0281-2).
	Oil	Oil-resistant (following DIN EN 50363-10-2), Class 3.

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

Class 6.4.3 (6 maximum load requirements 4 travel distance up to 100 m 3 oil-resistant)

	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).
	UL/CSA	< 0,5 mm²: Style 10493 and 20317, 300 V, 80 °C ≥ 0,5 mm²: Style 1007 and 20317, 300 V, 80 °C
	NFPA	Following NFPA 79-2012 chapter 12.9
	CEI	Following CEI 20-35
	CE	Following 2006/95/EG
	Lead free	Following 2011/65/EC (RoHS-II)
	Clean room	According to ISO Class 1. Outer jacket material complies with CF27.07.05.02.01.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.00960

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

Temperature, from/to [°C]	Double strokes*		Travel distance [m]	5 million	7,5 million	10 million
	v max. unsupported [m/s]	a max. gliding [m/s²]		R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-20 / -10			≤ 100	6,8	7,5	8,5
-10 / +70	10	5		5	6,8	7,5
+70 / +80				6,8	7,5	8,5

* higher number of double strokes possible

Typical application area

- for maximum load requirements
- almost unlimited resistance to oil
- Indoor and outdoor applications
- freely suspended travel distances and up to 100 m for gliding applications
- Storage and retrieval units for high-bay warehouses, machining units/packaging machines, quick handling, indoor cranes, refrigerating sector

... no minimum order quantity ...

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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]
CF2.01.04	(4 x 0,14)C	6,0	17	40
CF2.01.08	(8 x 0,14)C	8,0	29	65
CF2.01.12	(12 x 0,14)C	9,0	49	101
CF2.01.18	(18 x 0,14)C	10,0	53	125
CF2.01.24 ⁽³⁾	(24 x 0,14)C	11,5	65	135
CF2.01.36	(36 x 0,14)C	14,0	88	200
CF2.01.48	(48 x 0,14)C	16,0	135	310
CF2.02.04	(4 x 0,25)C	7,0	24	53
CF2.02.08	(8 x 0,25)C	8,0	41	83
CF2.02.18	(18 x 0,25)C	13,0	96	190
CF2.02.24 ⁽³⁾	(24 x 0,25)C	14,0	120	220
CF2.02.48	(48 x 0,25)C	18,0	230	450

The chainflex® types marked with a (3) refer to cables that are based on a bundling of 4 cores each. Due to their excellent electrical properties (star-quad with especially minimum crosstalk), these cables can virtually be used in all cases in which otherwise twisted-pair cables are required.
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: CF2.02.18 – in your desired length (0,5 m steps)**
CF2 chainflex® series .02 Code nominal cross section .18 Number of cores

 **prices** **price list online**
www.chainflex.eu/CF2

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



chainflex® cables are resistant to oil and coolants. e-chain®: System E4/00

... no minimum order quantity ...

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