




















PUR Control cable | CF170.D

- for medium load requirements
- PUR outer jacket
- oil-resistant and coolant-resistant
- PVC-free/halogen-free
- low-temperature-flexible






	Conductor	Fine-wire stranded conductor consisting of bare copper wires (following EN 60228).
	Core insulation	Mechanically high-quality TPE mixture.
	Core stranding	Cores stranded in layers with short pitch length.
	Core identification	Cores black with white numerals, one core green-yellow.
	Outer jacket	Low-adhesion mixture on the basis of PUR, adapted to suit the requirements in energy chains® (following DIN VDE 0282 Part 10). Colour: Window grey (similar to RAL 7040)
	Bending radius	moved < 10 m travel moved minimum 7,5 x d ≥ 10 m travel moved minimum 10 x d fixed minimum 5 x d
	Temperature	moved -35 °C to +80 °C fixed -40 °C to +80 °C
	v max.	3 m/s, 2 m/s
	unsupported/gliding	
	a max.	20 m/s²
	Travel distance	Freely suspended travel distances and up to 20 m for gliding applications, Class 2
	UV-resistant	Medium
	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.
	Offshore	MUD-resistant following NEK 606 – status 2009.
	Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
	Halogen-free	Following EN 50267-2-1.
	CE	Following 2006/95/EG

 eplan download, configurator ► www.igus.eu/CF170D

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

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

-  **DESINA** According to VDW, DESINA standardisation
-  **Lead free** Following 2011/65/EC (RoHS-II)
-  **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

Double strokes*	Temperature, from/to [°C]	Travel distance [m]	5 million		7,5 million		10 million	
			R min. [factor x d] < 10 m	R min. [factor x d] ≥ 10 m	R min. [factor x d] < 10 m	R min. [factor x d] ≥ 10 m	R min. [factor x d] < 10 m	R min. [factor x d] ≥ 10 m
-35 / -25			10	12,5	11	13,5	12	14,5
-25 / +70	≤ 20		7,5	10	8,5	11	9,5	12
+70 / +80			10	12,5	11	13,5	12	14,5

* 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
- Machining units/machine tools, low temperature applications

... no minimum order quantity ...


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Image exemplary.

Delivery program Part No.	Number of cores and conductor nominal cross section [mm ²]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF170.05.12.D	12 G 0,5	9,0	64	129
CF170.05.18.D	18 G 0,5	10,5	96	186
CF170.05.30.D	30 G 0,5	13,0	150	296
CF170.07.03.D	3 G 0,75	6,0	24	49
CF170.07.05.D	5 G 0,75	7,0	40	81
CF170.07.07.D	7 G 0,75	8,0	56	106
CF170.07.12.D	12 G 0,75	10,0	93	164
CF170.07.18.D	18 G 0,75	11,5	143	242
CF170.07.20.D	20 G 0,75	12,0	152	260
CF170.10.03.D	3 G 1,0	6,5	32	58
CF170.10.04.D	4 G 1,0	7,0	43	76
CF170.10.05.D	5 G 1,0	7,5	53	92
CF170.10.07.D	7 G 1,0	8,5	74	124
CF170.10.12.D	12 G 1,0	10,5	121	197
CF170.10.18.D	18 G 1,0	12,5	184	291
CF170.10.25.D	25 G 1,0	15,0	264	397
CF170.15.03.D	3 G 1,5	7,0	48	85
CF170.15.04.D	4 G 1,5	7,5	61	106
CF170.15.05.D	5 G 1,5	8,0	80	119
CF170.15.07.D ⁽¹⁷⁾	7 G 1,5	10,0	112	176
CF170.15.12.D	12 G 1,5	12,5	191	287
CF170.15.18.D	18 G 1,5	14,0	285	413
CF170.15.25.D	25 G 1,5	17,5	396	579
CF170.25.04.D	4 G 2,5	9,0	106	168
CF170.25.05.D	5 G 2,5	10,0	132	201
CF170.25.07.D ⁽¹⁷⁾	7 G 2,5	12,5	185	288
CF170.40.04.D	4 G 4,0	11,0	169	258
CF170.60.04.D	4 G 6,0	13,0	253	393
CF170.100.04.D	4 G 10,0	17,5	423	604

⁽¹⁷⁾ Using the cables with "7 G 1,5 mm²" and "7 G 2,5 mm²" it is essential: bending radius 17 x d with travel distance ≥ 5 m. When the travel distance is not less than 5 m, a bending radius not less than 17 x d has to be used.
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: CF170.10.05.D – in your desired length (0,5 m steps)
CF170.D chainflex® series .10 Code nominal cross section .05 Number of cores

 prices price list online
www.chainflex.eu/CF170D

 delivery time despatched in
24 hours or today

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... no minimum order quantity ...
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