# 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 mm<sup>2</sup>: Mechanically high-quality PP mixture. (0) Cores ≥ 0,5 mm<sup>2</sup>: 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 lowtorsion structure. Core identification Cores < 0,5 mm<sup>2</sup>: Colour code in accordance with DIN 47100

Cores ≥ 0,5 mm<sup>2</sup>: cores black with white numerals, one core

(following DIN VDE 0282 Part 10).

minimum 4 x d -20 °C to +80 °C

-40 °C to +80 °C

300/500 V (following DIN VDE 0245).

2000 V (following DIN VDE 0281-2).

Oil-resistant (following DIN EN 50363-10-2), Class 3.

moved minimum 5 x d

moved

80 m/s<sup>2</sup>

High

10 m/s, 5 m/s

applications, Class 4

Colour: Anthracite grey (similar to RAL 7016)

PVC mixture adapted to suit the requirements in energy chains®.

Extremely bending-resistant braiding made of tinned copper wires. Coverage approx. 70% linear, approx. 90% optical.

Low-adhesion, highly abrasion-resistant mixture on the basis of PUR, adapted to suit the requirements in energy chains®

Freely suspended travel distances and up to 100 m for gliding

Inner jacket

Overall shield

Outer jacket

Bending radius

Temperature

Nominal voltage

Testing voltage

v max. unsupported/gliding

Travel distance

**UV-resistant** 

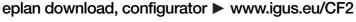
ZUV







HAINFLEX" CF2



# 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 mm<sup>2</sup>: Style 10493 and 20317, 300 V, 80 °C ≥ 0,5 mm<sup>2</sup>: Style 1007 and 20317, 300 V, 80 °C

**NFPA** Following NFPA 79-2012 chapter 12.9 **HEPA** 

CEI Following CEI 20-35

CE Following 2006/95/EG

Following 2011/65/EC (RoHS-II) Lead free

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 № 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										
Double strokes*					5 million	7,5 million	10 million			
Temperature,	v max. [r	n/s]	a max.	Travel distance	R min.	R min.	R min.			
from/to [°C]	unsupported	gliding	$[m/s^2]$	[m]	[factor x d]	[factor x d]	[factor x d]			
-20 / -10					6,8	7,5	8,5			
-10 / +70	10	5	80	≤ 100	5	6,8	7,5			
+70 / +80					6,8	7,5	8,5			

<sup>\*</sup> 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













### IGUS" CHAINFLEX" CF2

Image exemplary.

Delivery program	Number of cores and	External	Copper	Weight	
Part No.	conductor nominal	diameter	index	[kg/km]	
	cross section [mm²]	max. [mm]	[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 <sup>(3)</sup>	(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 <sup>(3)</sup>	(24 x 0,25)C	14,0	120	220	
CF2.02.48	(48 x 0,25)C	18,0	230	450	



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 despatched in time 24 hours or today



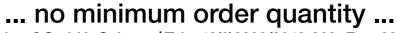
chainflex® cables are resistant to oil and coolants. e-chain®: System E4/00



eplan download, configurator ▶ www.igus.eu/CF2

1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)



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