

PUR Measuring system cable | CF111.D

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

Bending radius is reduced by 20%!

- Conductor** Very finely stranded special cores of particularly high-flex design made of tinned copper wires.
- Core insulation** Mechanically high-quality PP mixture.
- Core stranding** According to measuring system specification.
- Core identification** According to measuring system specification
▶ Schedule delivery program
- Element shield** Extremely bending-resistant, tinned copper cover. Coverage approx. 90% optical.
- Intermediate layer** Foil taping over the external layer.
- 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) – starting from manufacturing date 5/2012.
Colour: Yellow green (similar to RAL 6018)
- Bending radius**
moved minimum 10 x d
fixed minimum 5 x d
- Temperature**
moved -20 °C to +80 °C
fixed -40 °C to +80 °C
- v max.** 5 m/s, 3 m/s
- unsupported/gliding**
- a max.** 30 m/s²
- Travel distance** Freely suspended travel distances and up to 10 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.

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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 10 m 3 oil-resistant)

- 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** Style 1589 and 21371, 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 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

Double strokes*				5 million	7,5 million	10 million
Temperature, from/to [°C]	v max. [m/s]	a max. [m/s²]	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-20 / -10				12,5	13,5	14,5
-10 / +70	5	3	30 ≤ 10	10	11	12
+70 / +80				12,5	13,5	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 10 m for gliding applications
- Machining units/machine tools, low temperature applications



The readychain® systems from igus® are completely pre-harnessed with chainflex® cables, hoses, screw attachments, metal parts etc.

... 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]	Delivery program Part No.	Core group	Colour code
CF111.001.D	(3x(2x0,14)C)+(4x0,14)+(2x0,5)C	9,0	63	104	CF111.001.D	3x(2x0,14)C (4x0,14) (2x0,5)	green/yellow, black/brown, red/orange grey/blue/white-yellow/white-black brown-red/brown-blue
CF111.004.D	(2x(2x(2x0,14)))+(4x0,14)C+(4x0,5)C	10,5	74	122	CF111.004.D	2x(2x(2x0,14)) (4x0,14)C (4x0,5)	(brown/green)/(yellow/fioletowy), (grey/pink)/(red/black) yellow-black/red-black/green-black/blue-black brown-green/white-green/blue/white
CF111.006.D	(3x(2x0,14)C)+(4x0,14)+(4x0,25)+(2x0,5)C	10,0	80	126	CF111.006.D	3x(2x0,14)C (4x0,14) (4x0,25) (2x0,5)	green/yellow, black/brown, red/orange grey/blue/white-yellow/white-black brown-yellow/brown-grey/green-black/green-red brown-red/brown-blue
CF111.011.D	(4x(2x0,34))+4x0,5)C	9,0	72	108	CF111.011.D	4x(2x0,34) 4x0,5	black/brown, red/orange, green/yellow, blue/fioletowy black-white, red-white, yellow-white, blue-white
CF111.015.D	(4x(2x0,14))+4x0,5)C	8,0	49	76	CF111.015.D	4x(2x0,14) 4x0,5	brown/green, yellow/fioletowy, grey/pink, red/black blue, white, brown-green, white-green
CF111.020.D	(3x(2x0,14))+2x(4x0,14)+(2x0,5)C)C	8,5	54	92	CF111.020.D	3x(2x0,14) 2x(4x0,14) (2x0,5)	blue/red, black/fioletowy, grey-pink/red-blue green/grey/yellow/pink, white-green/white-yellow/brown-green/brown-yellow white/brown
CF111.021.D	((4x0,25)+3x(2x0,25+2x0,5)C	9,5	81	120	CF111.021.D	(4x0,25) 3x(2x0,25+2x0,5)	white/brown/grey/black black no.1/white/black no. 2/yellow, black no. 3/white/black no. 4/grey, black no. 5/black/black no. 6/orange
CF111.022.D	((2x0,25)+5x0,5)C	7,0	47	74	CF111.022.D	(2x0,25) 5x0,5	white/brown green, yellow, grey, pink, blue
CF111.024.D	((4x0,14)+2x(2x0,34))C	7,0	37	63	CF111.024.D	(4x0,14) 2x(2x0,34)	yellow/grey/fioletowy/pink white-green/white, brown-green/blue
CF111.027.D	(5x(2x0,14))+2x0,5)C	8,0	46	78	CF111.027.D	5x(2x0,14) 2x0,5	brown/green, yellow/grey, white/fioletowy, red-black, pink/blue white-green, white-red
CF111.028.D	(2x(2x0,20)+(2x0,38))C	8,0	37	75	CF111.028.D	(2x(2x0,15) (2x0,38)	green/yellow, pink/blue red/black
CF111.035.D	(4x(2x0,25)C+2x(2x0,5)C	11,0	90	144	CF111.035.D	4x(2x0,25)C 2x(2x0,5)	white/brown, green/yellow, grey/pink, blue/red black no.1/black no.2, black no.3/black no.4

(1) Delivery time upon inquiry.
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

 eplan download, configurator ► www.igus.eu/CF111D

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

 **Order example: CF111.021.D – in your desired length (0,5 m steps)**
 CF111.D chainflex® series .021 Code Measuring system

 **prices** price list online
www.chainflex.eu/CF111D

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

... no minimum order quantity ...
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