

PUR Measuring system cable | CF113.D

- for maximum 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 25%!



	Conductor	Stranded conductor in especially bending-resistant version consisting of tinned copper wires (following EN 60228).
	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 braiding made of tinned copper wires. Coverage approx. 70% linear, approx. 90% optical.
	Inner jacket	TPE 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: Yellow-green (similar to RAL 6018)
	Bending radius	moved minimum 7,5 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.	50 m/s²
	Travel distance	Freely suspended travel distances and up to 100 m for gliding applications, Class 4
	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 6.4.3 (6 maximum load requirements 4 travel distance up to 100 m 3 oil-resistant)

	Flame-retardant	According to IEC 60332-1-2, CEI 20-35, FT1, VW-1
	Halogen-free	Following EN 50267-2-1.
	Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
	UL/CSA	Style 1589 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 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] unsupported	a max. [m/s²] gliding	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-20 / -10				10	11	12
-10 / +70	10	5	≤ 100	7,5	8,5	9,5
+70 / +80				10	11	12

* higher number of double strokes possible

Typical application area

- for maximum load requirements
- almost unlimited resistance to oil
- indoor and outdoor applications without direct sun radiation
- freely suspended travel distances and up to 100 m for gliding applications
- Storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, indoor cranes, low-temperature applications

... no minimum order quantity ...

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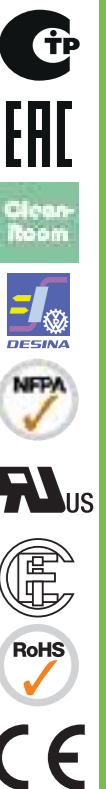




Image exemplary.

Delivery program Part No.	Number of cores and conductor nominal cross section [mm²]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]	Delivery program Part No.	Core group	Colour code
CF113.001.D	(3x(2x0,14)C)+(4x0,14)+(2x0,5)C	10,5	80	180	CF113.001.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
CF113.002.D	(3x(2x0,14)C)+2x(0,5)C	10,5	82	193	CF113.002.D	3x(2x0,14)C 2x(0,5)C	green/yellow, black/brown, red/orange black, red
CF113.003.D	(3x(2x0,14))+2x1,0C	8,5	61	130	CF113.003.D	3x(2x0,14) 2x1,0	white/brown, green/yellow, grey/pink blue, red
CF113.004.D	(2x(2x(2x0,14)))+(4x0,14)C+(4x0,5)C	11,5	91	204	CF113.004.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
CF113.005.D	(4x(2x0,14))+4x0,5C	9,5	68	151	CF113.005.D	4x(2x0,14) 4x0,5	white/brown, green/yellow, grey/pink, blue/red black, fioletowy, grey-pink, red-blue
CF113.006.D	(3x(2x0,14)C)+(4x0,14)+(4x0,25)+(2x0,5)C	11,0	93	206	CF113.006.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
CF113.007.D ⁽²⁾	(4x0,34)C	6,0	32	67	CF113.007.D ⁽²⁾	4x0,34	white, green, brown, yellow (star-quad stranding)
CF113.008.D	(3x(2x0,25))C	8,0	37	85	CF113.008.D	3x(2x0,25)	white/brown, green/yellow, grey/pink
CF113.009.D	(4x(2x0,25))+2x0,5C	9,5	66	143	CF113.009.D	4x(2x0,25) 2x0,5	brown/green, blue/fioletowy, grey/pink, red/black white, brown
CF113.010.D ⁽¹⁾	(4x(2x0,25))+2x1,0C	9,5	80	167	CF113.010.D ⁽¹⁾	4x(2x0,25) 2x1,0	brown/green, blue/fioletowy, grey/pink, red/black white, brown
CF113.011.D ⁽¹⁾	(4x(2x0,34))+4x0,5C	10,5	96	208	CF113.011.D ⁽¹⁾	4x(2x0,34) 4x0,5	black/brown, red/orange, green/yellow, blue/fioletowy black-white, red-white, yellow-white, blue-white
CF113.012.D ⁽¹⁾	(3x(2x0,14)C)+(3x0,14)C+(4x0,14)+(2x0,14+2x0,5)C	11,5	99	229	CF113.012.D ⁽¹⁾	3x(2x0,14)C (3x0,14)C (4x0,14) (2x0,14+2x0,5)	green/yellow, white/grey, blue/red red/green/brown grey/yellow/pink/fioletowy blue/brown-blue/grey/brown-red
CF113.013.D	(3x(2x0,14)C)+2x0,5C	9,5	70	160	CF113.013.D	3x(2x0,14)C 2x0,5	white/brown, green/yellow, grey/pink blue, red
CF113.014.D	(4x(2x0,25)C)+(2x0,5)C	11,5	95	219	CF113.014.D	4x(2x0,25)C (2x0,5)	white/brown, green/yellow, grey/pink, blue/red black no.1/black no.2
CF113.015.D	(4x(2x0,14))+4x0,5C	9,5	68	147	CF113.015.D	4x(2x0,14) 4x0,5	brown/green, yellow/fioletowy, grey/pink, red/black blue, white, brown-green, white-green
CF113.016.D	(3x(2x0,25)C)C	9,5	65	147	CF113.016.D	3x(2x0,25)C	white/brown, green/yellow, grey/pink

(1) Delivery time upon inquiry.
The chainflex® types marked with (2) are cables designed as a star-quad.
Other types available on request.
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

Other types ► Page 220-223

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... no minimum order quantity ...

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



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
CF113.017.D ⁽⁴⁾	(4x(2x0,14)+(4x0,14)C+4x1,0)C	11,5	116	252	CF113.017.D ⁽⁴⁾	4x(2x0,14) (4x0,14)C 4x1,0	red/black, green/brown, yellow/fioletowy, pink/grey blue-black/yellow-black/red-black/green-black white-green, brown-green, blue, white
CF113.018.D ^{(1)/(4)}	(2x(2x0,25)+2x0,5)C	7,0	40	81	CF113.018.D ^{(1)/(4)}	2x(2x0,25) 2x0,5	red/black, grey/pink white, brown
CF113.019.D ⁽⁴⁾	(3x(2x0,25)C+(3x0,25)+2x1,0)C	11,5	106	235	CF113.019.D ⁽⁴⁾	3x(2x0,25)C (3x0,25) 2x1,0	brown/green, grey/pink, red/black blue/fioletowy/yellow white, brown
CF113.021.D ⁽¹⁾	((4x0,25)+3x(2x0,25+2x0,5)C	11,0	102	220	CF113.021.D ⁽¹⁾	(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
CF113.022.D	((2x0,25)+5x0,5)C	8,5	55	126	CF113.022.D	(2x0,25) 5x0,5	white/brown green, yellow, grey, pink, blue
CF113.025.D	(3x(2x0,14)C+(2x0,5)C)C	11,0	81	188	CF113.025.D	3x(2x0,14)C (2x0,5)C	green/yellow, blue/red, grey/pink white/brown
CF113.027.D	(5x(2x0,14)+2x0,5)C	9,0	58	127	CF113.027.D	5x(2x0,14) 2x0,5	brown/green, yellow/grey, white/fioletowy, red-black, pink/blue white-green, white-red
CF113.028.D ⁽⁴⁾	(2x(2x0,20)+(2x0,38)C	7,5	47	74	CF113.028.D ⁽⁴⁾	2x(2x0,20) (2x0,38)	green/yellow, pink/blue red/black
CF113.029.D	(5x(2x0,25)C+(2x0,25+2x0,5)C	13,0	119	278	CF113.029.D	5x(2x0,25)C (2x0,25+2x0,5)	white/brown, green/yellow, grey/pink, blue/red, black/fioletowy grey-pink/brown-green/white-green/red-blue
CF113.031.D	(2x(2x0,25)C+2x1,0)C	9,0	76	161	CF113.031.D	2x(2x0,25)C 2x1,0	white/brown, green/yellow black no. 1, black no. 2
CF113.032.D ⁽¹⁵⁾	3x(2x0,14)C+(3x0,14)C	9,5	68	155	CF113.032.D ⁽¹⁵⁾	3x(2x0,14)C (3x0,14)C	green/black, yellow/black, red/black grey/pink/black
CF113.033.D ⁽¹⁵⁾	4x(2x0,14)C+2x(1,0)C	11,5	107	247	CF113.033.D ⁽¹⁵⁾	4x(2x0,14)C 2x(1,0)C	yellow/black, red/black, blue/black, green/black white, brown

(1) Delivery time upon inquiry.

(4) manufactured without inner jacket.

(15) manufactured without overall shield

Other types available on request.

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

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Other types ► Page 218-219, 222-223

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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
CF113.034.D ⁽¹⁵⁾	3x(2x0,14)C+(4x0,14)C+2x(2x0,5)C	12,5	116	201	CF113.034.D ⁽¹⁵⁾	3x(2x0,14)C (4x0,14)C 2x(2x0,5)C	green/black, fioletowy/black, blue/black red/yellow/black-red/black-yellow black/white, black/brown
CF113.035.D	(4x(2x0,25)C+2x(2x0,5)C	12,5	114	261	CF113.035.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
CF113.036.D	(5x(2x0,25)C	9,5	58	108	CF113.036.D	5x(2x0,25)	white/brown, green/yellow, grey/pink, blue/red, black/fioletowy
CF113.037.D	(6x(2x0,25)C	10,0	69	120	CF113.037.D	6x(2x0,25)	white/brown, green/yellow, grey/pink, blue/red, black/fioletowy, grey-pink/redblue
CF113.038.D	(3x(2x0,14)+(2x0,34)C	8,0	36	71	CF113.038.D	3x(2x0,14) (2x0,34)	white/brown, green/yellow, grey/pink blue/red
CF113.040.D	(3x(4x0,14)+(2x0,14+2x0,34)+2x1,5)C	10,5	101	165	CF113.040.D	3x(4x0,14) (2x0,14+2x0,34) 2x1,5	black/red/white-black/white-red, green/blue/white-green/white-blue, yellow/brown/white-yellow/white-brown fioletowy/orange/white-fioletowy/white-orange white-grey, grey

(15) manufactured without overall shield

Other types available on request.

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: CF113.027.D – in your desired length (0,5 m steps)**
CF113.D chainflex® series .027 Code Measuring system

 **prices** price list online
www.chainflex.eu/CF113D

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



chainflex® measuring system cable in a double-spindle horizontal machining centre.

Other types ► Page 218-221

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