iguPUR

36 5,000,000

Double strokes guaranteed

• For flexing applications • iguPUR outer jacket

Measuring system cable | iguPUR | chainflex[®] CF894

Bend radius, e-chain[®]

膏 15 x d

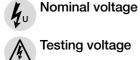
Basic requirements Travel distance Oil resistance Torsion

unsupported



 Oil-resistant Shielded Flame-retardant 			
Dynamic information			
Bend radius	e-chain [®] linear	minimum 15 x d	
	flexible	minimum 12 x d	
Turnatura	fixed	minimum 8 x d	
C Temperature	e-chain [®] linear flexible	-20°C up to +80°C	
⁽)	fixed	-40°C up to +80°C (following DIN EN 60811-504) -50°C up to +80°C (following DIN EN 50305)	
v max.	unsupported	3m/s	
	unsupported	011/3	
a max.	20m/s ²		
Travel distance	Unsupported trav	els up to 10m, Class 1	
Cable structure			
Conductor	Conductor consis	ting of bare copper wires (according to DIN EN 60228).	
Core insulation	Mechanically high-quality TPE mixture.		
Core structure	According to measuring system specification.		
Core identification	According to measuring system specification. Product range table		
Element shield	Foil taping of optimised, bending-resistant foil shield.		
	Coverage approx. 100% optical		
Overall shield	Braiding made of tinned copper wires.		
	Coverage approx	. 60% optical	
Outer jacket	acket Low-adhesion iguPUR mixture, adapted to suit the requirements in e-chains [®] .		
	Colour: Yellow-gre	een (similar to RAL 6018)	
Electrical information			

al informatior



50V 30V (following UL) 500V



Class 3.1.3.1

Properties and approvals	
UV resistance	Medium
Oil resistance	Oil-resistant (following DIN EN 5
Flame-retardant	According to IEC 60332-1-2, C
Silicone-free	Free from silicone which can affe 1992)
UL verified	Certificate No. B129699: "igu service life calculator based on
UL/CSA AWM	See data sheet for details ► w
	Following NFPA 79-2018, chap
EAC	Certificate No. RU C-DE.ME77.
REACH	In accordance with regulation (E
Rous Lead-free	Following 2011/65/EC (RoHS-II
CECE	Following 2014/35/EU
UK UKCA CA	In accordance with the valid reg
Guaranteed service life (det	ails see page 28-29)

Guaranteed service life (details see page 28-29)

Double strokes*	1 million	3 million
Temperature, from/to [°C]	R min. [factor x d]	R min. [factor x d]
-20/-10	17.5	18.5
-10/+70	15	16
+70/+80	17.5	18.5
* Higher number of double strok	es? Service life calculation of	online ► www.igus.eu/chainflexlife

Typical application areas

- For flexing applications, Class 3
- Especially for unsupported travels, Class 1
- With influence of oil, Class 3
- No torsion, Class 1

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- Indoor and outdoor applications without direct sun radiation
- Machining units/machine tools, low temperature applications

nple image

EPLAN download, configurators ► www.igus.eu/CF894



50363-10-2), Class 3

Cable Flame, VW-1, FT1, FT2 / Horizontal Flame

fect paint adhesion (following PV 3.10.7 – status

gus 36-month chainflex cable guarantee and n 2 billion test cycles per year" /ww.igus.eu/CF894

pter 12.9

7.B.00295/19

(EC) No. 1907/2006 (REACH)

-II/RoHS-III)

egulations of the United Kingdom (as at 08/2021)

R min.

[factor x d]

19.5

17

19.5





253

ainflex®	guarantee	www.i	gus.eu/u	I-verified
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CF894



















CE UK CA

Measuring system cable | iguPUR | chainflex[®] CF894

Basic requirements Travel distance Oil resistance Torsion

Colour code

iqus chainflex CF894

Example image

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF894.001	(3x(2x0.14)C+(4x0.14)+(2x0.5))C	8.5	41	80
CF894.006	(3x(2x0.14)C+(4x0.14)+(4x0.22) +(2x0.5))C	9.0	50	105
CF894.009	(4x(2x0.25)+2x0.5)C	8.0	44	80
CF894.011	(4x(2x0.34)+4x0.5)C	9.5	64	126
CF894.015	(4x(2x0.14)+4x0.5)C	8.5	44	84
CF894.022	((2x0.25)+5x0.5)C	8.0	44	78
CF894.028	(2x(2x0.15)+(2x0.38))C	7.5	41	57

CF894.001	3x(2x0.14)C	green/yellow, black
	4x0.14	grey, blue, white-ye
	2x0.5	brown-red, brown-
CF894.006	3x(2x0.14)C	green/yellow, black
	4x0.14	grey, blue, white-ye
	4 x 0.22	yellow-brown, grey
	2x0.5	brown-red, brown-
CF894.009	4x(2x0.25)	brown/green, blue/
	2x0.5	white/brown
CF894.011	4x(2x0.34)	black/brown, red/c
	4x0.5	blue-white, black-v
CF894.015	4x(2x0.14)	brown/green, yello
	4x0.5	blue, white, brown
CF894.022	2x0.25	white, brown
	5x0.5	green, yellow, grey
CF894.028	2x(2x0.15)	green/yellow, pink/
	2x0.38	red/black

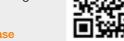
Core group

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. G = with green-yellow earth core x = without earth core



Cables available in the chainflex[®] CASE

Simple savings on delivery, storage space and re-ordering with the chainflex[®] CASE - ship'n store by igus[®].



回湖回

More on this on page 24/25 and online: www.igus.eu/cf-case

cost down...

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S

Class 3.1.3.1

Part No.



Reduce cost, improve technology, now! Do the chainflex[®] price check ... www.igus.eu/cf-price-check



Order example: CF894.011 - to your desired length (0.5m steps) CF894 chainflex[®] series .011 Code measuring system type

Order online ► www.igus.eu/CF894

Delivery time 24hrs or today.

Delivery time means time until goods are shipped.

EPLAN download, configurators ► www.igus.eu/CF894



CF894 iguPUR 15 x d



igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year

k/brown, red/orange ellow, white-black -blue ck/brown, red/orange yellow, white-black ey-brown, green-black, brown-red -blue e/violet, grey/pink, red/black

orange, yellow/green, blue/violet white, red-white, yellow-white ow/violet, grey/pink, red/black n-green, white-green

y, pink, blue /blue

... for example: Reduce bend radius with CF113.D ...

























