



















# TPE Control cable | CF99





- for maximum load requirements and especially small radii up to 4xd
- TPE outer jacket
- shielded
- oil-resistant, biooil-resistant
- PVC-free/halogen-free
- low-temperature-flexible
- hydrolysis-resistant and microbe-resistant

	<b>Conductor</b>	Conductor consisting of a highly flexible special alloy.
	<b>Core insulation</b>	Mechanically high-quality TPE mixture.
	<b>Core stranding</b>	Cores stranded in one layer with especially short pitch length.
	<b>Core identification</b>	Colour code in accordance with DIN 47100. <b>CF99.02.03.INI:</b> brown, blue, black <b>CF99.03.04.INI:</b> brown, blue, black, white
	<b>Inner jacket</b>	TPE mixture adapted to suit the requirements in energy chains®.
	<b>Overall shield</b>	Highly flexible alloyed special shield. Coverage approx. 70% linear, approx. 90% optical.
	<b>Outer jacket</b>	Low-adhesion mixture on the basis of TPE, especially abrasion-resistant and highly flexible, adapted to suit the requirements in energy chains®. Colour: Steel blue (similar to RAL 5011)
	<b>Bending radius</b>	<b>moved</b> minimum 4 x d <b>fixed</b> minimum 3 x d
	<b>Temperature</b>	<b>moved</b> -35 °C to +90 °C <b>fixed</b> -40 °C to +90 °C
	<b>v max. unsupported/gliding</b>	10 m/s, 6 m/s
	<b>a max.</b>	100 m/s <sup>2</sup>
	<b>Travel distance</b>	Short, very fast applications with small radii and tight design space, Class 4
	<b>UV-resistant</b>	High
	<b>Nominal voltage</b>	300/300 V
	<b>Testing voltage</b>	1500 V
	<b>Oil</b>	Oil-resistant (following DIN EN 60811-2-1), biooil-resistant (following VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4.
	<b>Halogen-free</b>	Following EN 50267-2-1.
	<b>Silicon-free</b>	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).

 eplan download, configurator ► [www.igus.eu/CF99](http://www.igus.eu/CF99)

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

## Class 7.4.4 (7 maximum load requirements 4 travel distance up to 100 m 4 oil-resistant)

	<b>CE</b>	Following 2006/95/EG
	<b>Lead free</b>	Following 2011/65/EC (RoHS-II)
	<b>Clean room</b>	According to ISO Class 1. Outer jacket material complies with CF9.15.07, tested by IPA according to standard 14644-1
	<b>EAC</b>	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	gliding	a max. [m/s <sup>2</sup> ]	Travel distance [m]	R min. [factor x d]	R min. [factor x d]
-35 / -25					5	5
-25 / +80	10	6	100	≤ 100	4	4
+80 / +90					5	5


\* higher number of double strokes possible

### Typical application area

- for maximum load requirements at 4xd
- almost unlimited resistance to oil, also with bio-oils
- Indoor and outdoor applications, UV-resistant
- especially for short, very fast applications with small radii and tight design space
- automatic insertion machines, automatic doors, clean room, very quick handling

Delivery program Part No.	Number of cores and conductor nominal cross section [mm <sup>2</sup> ]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF99.01.02	(2 x 0,14)C	5,5	14	33
CF99.01.03 <sup>(1)</sup>	(3 x 0,14)C	6,0	17	37
CF99.01.04	(4 x 0,14)C	6,0	21	43
CF99.01.07 <sup>(1)</sup>	(7 x 0,14)C	7,5	32	62
CF99.01.08	(8 x 0,14)C	8,0	36	69
CF99.02.03.INI <sup>(1)</sup>	(3 x 0,25)C	6,5	25	48
CF99.02.04	(4 x 0,25)C	6,5	30	56
CF99.02.07	(7 x 0,25)C	8,0	48	85
CF99.02.08 <sup>(1)</sup>	(8 x 0,25)C	8,5	54	93
CF99.03.03 <sup>(1)</sup>	(3 x 0,34)C	6,5	27	51
CF99.03.04.INI <sup>(1)</sup>	(4 x 0,34)C	7,0	35	62
CF99.03.08	(8 x 0,34)C	9,0	64	105

<sup>(1)</sup> 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

 **Order example: CF99.01.02 – in your desired length (0,5 m steps)**  
CF99 chainflex® series .01 Code nominal cross section .02 Number of cores

 **prices** price list online  
[www.chainflex.eu/CF99](http://www.chainflex.eu/CF99)

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

**... no minimum order quantity ...**

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