



















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

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

 eplan download, configurator ► 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)

	CE	Following 2006/95/EG
	Lead free	Following 2011/65/EC (RoHS-II)
	Clean room	According to ISO Class 1. Outer jacket material complies with CF9.15.07, tested by IPA according to standard 14644-1
	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/s ²]	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-35 / -25				5	5	5
-25 / +80	10	6	≤ 100	4	4	4
+80 / +90				5	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 ²]	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 ⁽¹⁾	(3 x 0,14)C	6,0	17	37
CF99.01.04	(4 x 0,14)C	6,0	21	43
CF99.01.07 ⁽¹⁾	(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 ⁽¹⁾	(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 ⁽¹⁾	(8 x 0,25)C	8,5	54	93
CF99.03.03 ⁽¹⁾	(3 x 0,34)C	6,5	27	51
CF99.03.04.INI ⁽¹⁾	(4 x 0,34)C	7,0	35	62
CF99.03.08	(8 x 0,34)C	9,0	64	105

⁽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

 **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

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

... no minimum order quantity ...

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