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

Inner jacket

Overall shield

Colour code in accordance with DIN 47100.

CF99.02.03.INI: brown, blue, black CF99.03.04.INI: brown, blue, black, white TPE mixture adapted to suit the requirements in energy chains[®].

Highly flexible alloyed special shield.

Coverage approx. 70% linear, approx. 90% optical

Low-adhesion mixture on the basis of TPE, especially abrasion-Outer jacket

resistant and highly flexible, adapted to suit the requirements in

energy chains®.

Colour: Steel blue (similar to RAL 5011)



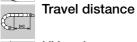
Bending radius **moved** minimum 4 x d minimum 3 x d

moved -35 °C to +90 °C Temperature -40 °C to +90 °C fixed

10 m/s, 6 m/s v max.

unsupported/gliding

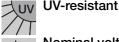
100 m/s²



Short, very fast applications with small radii and tight design

space, Class 4

High





Nominal voltage 300/300 V



Testing voltage 1500 V



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

Oil

Following EN 50267-2-1.



Free from silicon which can affect paint adhesion

(following PV 3.10.7 - status 1992).



6640

eplan download, configurator ▶ www.igus.eu/CF99

1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

 ϵ

Following 2006/95/EG

Lead free

Clean room

Following 2011/65/EC (RoHS-II)

According to ISO Class 1. Outer jacket material complies with CF9.15.07, tested

by IPA according to standard 14644-1

EAC

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,	v max. [m/s]	a max.	Travel distance	R min.	R min.	R min.			
from/to [°C]	unsupported	gliding	$[m/s^2]$	[m]	[factor x d]	[factor x d]	[factor x d]			
-35 / -25					5	5	5			
-25 / +80	10	6	100	≤ 100	4	4	4			
+80 / +90					5	5	5			

Certified according to N° TC RU C-DE.ME77.B.00960

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	Number of cores and	External	Copper	Weight	
Part No.	conductor nominal	diameter	index	[kg/km]	
	cross section [mm²]	max. [mm]	[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	

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



price list online prices www.chainflex.eu/CF99



delivery despatched in 24 hours or today

... no minimum order quantity ...

igus® GmbH Cologne | Tel. +49(0)2203/9649-800 Fax -222 | info@igus.de | www.chainflex.eu















^{*} higher number of double strokes possible

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