## PUR Fibre optic cable (FOC) | CFLK

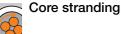
 POF fibres for high load requirements and interference-free transmission

PUR outer jacket

oil-resistant and coolant-resistant



**Fibre cable** 980/1000 μm fibre with PE isolation.



POF fibre with stranded high-tensile plastic reinforcement.



Core identification Core black.



Outer jacket Low-adhesion mixture on the basis of PUR, adapted to suit the

requirements in energy chains® (following DIN VDE 0282 Part 10).

Colour: Red lilac (similar to RAL 4001)



Bending radius

**moved** minimum 12,5 x d

**fixed** minimum 7,5 x d

Temperature

**moved** -20 °C to +60 °C

v max.

ed -25 °C to +60 °C

v u

10 m/s, 5 m/s

Medium

unsupported/gliding

**max.** 20 m/s<sup>2</sup>

**Travel distance** Freely suspended travel distances and up to 20 m for gliding

applications, Class 2



UV-resistant

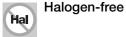
Oil-resistant (following DIN EN 50363-10-2), Class 3.



Silicon-free Free from silicon which can affect paint adhesion

(1

(following PV 3.10.7 – status 1992). Following EN 50267-2-1.





CE Following 2006/95/EG

Lead free

Following 2011/65/EC (RoHS-II)

## Typical application area

- for high load requirements
- maximum EMC protection
- almost unlimited resistance to oil
- preferably indoor applications
- freely suspended travel distances and up to 20 m for gliding applications
- Wood/stone processing, packaging industry, supply system, handling, adjusting equipment



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

1030 types from stock no cutting costs ...

(for up to 10 cuts of the same type)

## Class 5.2.3 (5 high load requirements 2 travel distance up to 20 m 3 oil-resistant)

New! Guarantee	ed lifetime for t	his series	according	to the "chainflex®	guarantee club	o" 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	d gliding	$[m/s^2]$	[m]	[factor x d]	[factor x d]	[factor x d]
-20 / -10					15	16	17
-10 / +50	10	5	20	≤ 20	12,5	13,5	14,5
+50 / +60					15	16	17

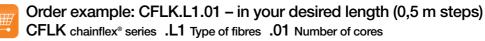
<sup>\*</sup> higher number of double strokes possible

Delivery program	Number of fibres	Fibre diameter	External	Weight
Part No.		approx.	diameter	[kg/km]
		[µm]	max. [mm]	
CFLK.L1.01(1)	1	980/1000	6,0	25

(1) Delivery time upon inqui

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

Part No.	Bandwidth	Attenuation	Fibres
	with 650 nm	with 650 nm	identification
	[MHz x km]	[dB/km]	
CFLK.L1.01	40	200	black





prices

price list online www.chainflex.eu/CFLK



delivery despatched in time 24 hours or today



Woodworkingmachines with e-chains® and chainflex® cables

... no minimum order quantity ...



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