

# PUR Fibre optic cable (FOC) | CFLK

- POF fibres for high load requirements and interference-free transmission
- PUR outer jacket
- oil-resistant and coolant-resistant

	<b>Fibre cable</b>	980/1000 µm fibre with PE isolation.
	<b>Core stranding</b>	POF fibre with stranded high-tensile plastic reinforcement.
	<b>Core identification</b>	Core black.
	<b>Outer jacket</b>	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)
	<b>Bending radius</b>	<b>moved</b> minimum 12,5 x d <b>fixed</b> minimum 7,5 x d
	<b>Temperature</b>	<b>moved</b> -20 °C to +60 °C <b>fixed</b> -25 °C to +60 °C
	<b>v max.</b>	10 m/s, 5 m/s
	<b>unsupported/gliding</b>	
	<b>a max.</b>	20 m/s²
	<b>Travel distance</b>	Freely suspended travel distances and up to 20 m for gliding applications, Class 2
	<b>UV-resistant</b>	Medium
	<b>Oil</b>	Oil-resistant (following DIN EN 50363-10-2), Class 3.
	<b>Silicon-free</b>	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
	<b>Halogen-free</b>	Following EN 50267-2-1.
	<b>CE</b>	Following 2006/95/EG
	<b>Lead free</b>	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](http://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!** 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	a max. [m/s²] gliding	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-20 / -10				15	16	17
-10 / +50	10	5	≤ 20	12,5	13,5	14,5
+50 / +60				15	16	17

\* higher number of double strokes possible

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

(1) Delivery time upon inquiry

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

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

**Order example: CFLK.L1.01 – in your desired length (0,5 m steps)**  
CFLK chainflex® series .L1 Type of fibres .01 Number of cores

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

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



Woodworking machines with e-chains® and chainflex® cables

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

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