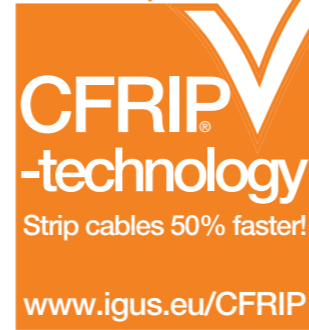


TPE Power cable | CF37.D

- for maximum load requirements
- TPE outer jacket
- oil-resistant, biooil-resistant
- PVC-free/halogen-free
- UV-resistant
- hydrolysis-resistant and microbe-resistant

Product improvement!



	Conductor	< 10 mm ² : stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228). ≥ 10 mm ² : conductor cable consisting of pre-leads (following EN 60228).
	Core insulation	Mechanically high-quality, especially low-capacitance TPE mixture.
	Core stranding	Cores stranded in short pitch lengths over a centre for high tensile stresses.
	Core identification	Energy conductor: Cores black with white numerals, one core green-yellow. 1. core: U / L1 / C / L+ 2. core: V / L2 3. core: W / L3 / D / L- 4. core: 4 / N
	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: Jet black (similar to RAL 9005)
	CFRIP	Strip cables 50% faster! The tear strip is in the outer jacket (starting from manufacturing date 5/2013). Video ► www.igus.eu/CFRIP
	Bending radius	moved minimum 7,5 x d fixed minimum 4 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.	80 m/s ²
	Travel distance	Freely suspended travel distances and up to 400 m for gliding applications, Class 5
	Torsion	± 90°, with 1 m cable length
	UV-resistant	High
	Nominal voltage	600/1000 V (following DIN VDE 0250).
	Testing voltage	4000 V (following DIN VDE 0281-2).
	Oil	Oil-resistant (following DIN EN 60811-2-1), biooil-resistant (following VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4.



www.igus.eu/CFRIP

eplan download, configurator ► www.igus.eu/CF37

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

Class 7.5.4 (7 maximum load requirements 5 travel distance up to 400 m 4 oil-resistant)

	Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
	Halogen-free	Following EN 50267-2-1.
	CE	Following 2006/95/EG
	DESINA	According to VDW, DESINA standardisation
	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.00964

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/s ²] gliding	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-35 / -25				10	11	12
-25 / +80	10	6	≤ 400	7,5	8,5	9,5
+80 / +90				10	11	12

* higher number of double strokes possible

Typical application area

- for maximum load requirements
- almost unlimited resistance to oil, also with bio-oils
- Indoor and outdoor applications, UV-resistant
- freely suspended travel distances and up to 400 m for gliding applications
- Storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, clean room, semiconductor insertion, ship to shore, outdoor cranes, low-temperature applications

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]
CF37.15.04.D	4 G 1,5	8,5	58	109
CF37.25.04.D	4 G 2,5	10,5	96	162
CF37.40.04.D	4 G 4,0	12,0	158	239
CF37.60.04.D	4 G 6,0	14,0	239	351
CF37.60.05.D ⁽¹⁾	5 G 6,0	15,5	285	420
CF37.100.04.D	4 G 10,0	17,0	411	549
CF37.100.05.D ⁽¹⁾	5 G 10,0	19,5	517	687
CF37.160.04.D	4 G 16,0	20,5	633	817
CF37.160.05.D ⁽¹⁾	5 G 16,0	23,0	800	1072
CF37.250.04.D	4 G 25,0	25,0	994	1266
CF37.60.04.O.PE.D ⁽¹⁾	4 x 6,0	14,0	239	351
CF37.100.04.O.PE.D ⁽¹⁾	4 x 10,0	17,0	411	549
CF37.160.04.O.PE.D ⁽¹⁾	4 x 16,0	20,5	633	817
CF37.500.03.O.PE.D	3 x 50,0	31,0	1490	2028

(1) Delivery time upon inquiry. Other types available on request.
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

... no minimum order quantity ...

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