

TPE Power cable | CFPE

- for maximum load requirements
- TPE outer jacket
- oil-resistant, biooil-resistant
- flame-retardant
- UV-resistant
- hydrolysis-resistant and microbe-resistant

	Conductor	Conductor cable consisting of pre-leads (following EN 60228).
	Core insulation	Mechanically high-quality TPE mixture.
	Core identification	Green-yellow
	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)
	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.	10 m/s, 6 m/s
	unsupported/gliding	
	a max.	100 m/s²
	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.
	Flame-retardant	According to IEC 60332-1-2, CEI 20-35, FT1, VW-1
	Silicon-free	Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
	UL/CSA	Style 10492 and 21218, 1000 V, 80 °C
	NFPA	Following NFPA 79-2012 chapter 12.9

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

Class 6.5.4 (6 maximum load requirements 5 travel distance up to 400 m 4 oil-resistant)

	CEI	Following CEI 20-35
	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 CF34.UL.25.04.D, tested by IPA according to standard 14644-1
	CTP	Certified according to N° C-DE.PB49.V.00397
	EAC	Certified according to N° TC RU C-DE.ME77.B.00964

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Double strokes*				5 million	7,5 million	10 million
Temperature, from/to [°C]	v max. [m/s]	a max. [m/s²]	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 [mm²]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
CFPE.15.01	1 G 1,5	5,0	15	35
CFPE.25.01	1 G 2,5	6,0	25	46
CFPE.40.01	1 G 4,0	6,5	38	61
CFPE.60.01	1 G 6,0	7,0	62	83
CFPE.100.01	1 G 10,0	8,0	106	128
CFPE.160.01	1 G 16,0	9,5	167	197
CFPE.250.01	1 G 25,0	11,5	264	300
CFPE.350.01	1 G 35,0	13,0	370	411

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: CFPE.15.01 – in your desired length (0,5 m steps)
CFPE chainflex® series .15 Code nominal cross section .01 Number of cores

prices price list online
www.chainflex.eu/CFPE

delivery time despatched in 24 hours or today

... no minimum order quantity ...

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