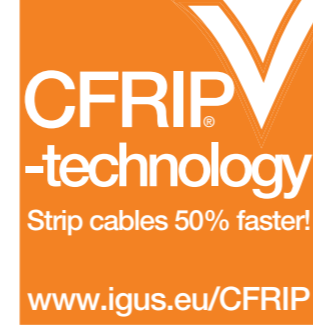


TPE Power cable | CF34.UL.D

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

Product improvement!



- Conductor** < 10 mm²: stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).
≥ 10 mm²: 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/s²
- Travel distance** Freely suspended and gliding travel distances up to 400 m and more, Class 4
- 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/CF34

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)

- 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 21184, 1000 V, 80 °C
- NFPA** Following NFPA 79-2012 chapter 12.9
- CEI** Following CEI 20-35
- 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, material/cable tested by IPA according to ISO 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

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]	a max. [m/s ²]	Travel distance [m]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-35 / -25				10	11	12	
-25 / +80	10	6	80	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

... no minimum order quantity ...

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



Strip cables 50% faster!



Image exemplary.

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]
CF34.UL.15.04.D	4 G 1,5	8,5	58	109
CF34.UL.25.04.D	4 G 2,5	10,5	96	162
CF34.UL.40.04.D	4 G 4,0	12,0	158	239
CF34.UL.60.04.D	4 G 6,0	14,0	239	351
CF34.UL.60.05.D	5 G 6,0	15,5	285	420
CF34.UL.100.04.D	4 G 10,0	17,0	411	549
CF34.UL.100.05.D	5 G 10,0	19,5	517	687
CF34.UL.160.04.D	4 G 16,0	20,5	633	817
CF34.UL.160.05.D	5 G 16,0	23,0	800	1072
CF34.UL.250.04.D	4 G 25,0	25,0	994	1266
CF34.UL.60.04.O.PE.D ⁽¹⁾	4 x 6	14,0	239	351
CF34.UL.100.04.O.PE.D	4 x 10	17,0	411	549
CF34.UL.160.04.O.PE.D	4 x 16	20,5	633	817
CF34.UL.500.03.O.PE.D	3 x 50	31,0	1490	2028

Other types available on request. (1) Delivery time upon inquiry.
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: CF34.UL.160.04.D – in your desired length (0,5 m steps)
 CF34.UL.D chainflex® series .160 Code nominal cross section .04 Number of cores

prices price list online
www.chainflex.eu/CF34

delivery time despatched in
 24 hours or today

eplan download, configurator ► www.igus.eu/CF34

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

... no minimum order quantity ...
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