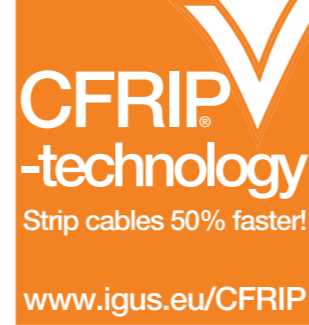


TPE Power cable | CF35.UL

- for maximum load requirements
- TPE outer jacket
- shielded
- 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
- Inner jacket** TPE mixture adapted to suit the requirements in energy chains®.
- Overall shield** Extremely bending-resistant braiding made of tinned copper wires. Coverage approx. 70% linear, approx. 90% optical.
- 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 inner 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.** 10 m/s, 6 m/s
- unsupported/gliding**
- a max.** 80 m/s²
- Travel distance** Freely suspended travel distances and up to 400 m for gliding applications, Class 5
- UV-resistant** High
- Nominal voltage** 600/1000 V (following DIN VDE 0250).

www.igus.eu/CFRIP

eplan download, configurator ▶ www.igus.eu/CF35

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)

- 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 21184, 1000 V, 80 °C
- NFPA** Following NFPA 79-2012 chapter 12.9
- 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

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

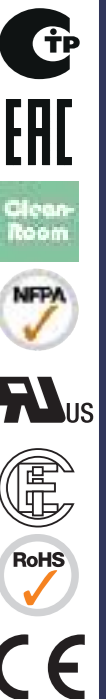
* higher number of double strokes possible

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

... 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!


IGUS® CHAINFLEX® CF35.UL

Image exemplary.

Delivery program Part No.	Number of cores and conductor nominal cross section [mm²]	External diameter max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF35.UL.05.04	(4 G 0,5)C	8,0	39	81
CF35.UL.07.04	(4 G 0,75)C	8,5	52	104
CF35.UL.15.04	(4 G 1,5)C	9,5	85	149
CF35.UL.25.04	(4 G 2,5)C	11,5	128	207
CF35.UL.40.04	(4 G 4,0)C	13,5	201	326
CF35.UL.60.04	(4 G 6,0)C	16,0	298	450
CF35.UL.100.04	(4 G 10,0)C	19,5	454	682
CF35.UL.160.04	(4 G 16,0)C	23,0	723	1003
CF35.UL.250.04	(4 G 25,0)C	27,5	1160	1524
CF35.UL.60.03.O.PE ⁽¹⁾	(3 x 6,0)C	14,5	231	367
CF35.UL.100.03.O.PE ⁽¹⁾	(3 x 10,0)C	17,5	356	568
CF35.UL.160.03.O.PE	(3 x 16,0)C	21,0	553	789
CF35.UL.250.03.O.PE ⁽¹⁾	(3 x 25,0)C	24,5	884	1208
CF35.UL.350.03.O.PE	(3 x 35,0)C	28,5	1200	1675
CF35.UL.500.03.O.PE	(3 x 50,0)C	33,5	1660	2283

⁽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: CF35.UL.15.04 – in your desired length (0,5 m steps)**
CF35.UL chainflex® series .15 Code nominal cross section .04 Number of cores

 **prices** price list online
www.chainflex.eu/CF35

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

 eplan download, configurator ► www.igus.eu/CF35

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(for up to 10 cuts of the same type)

... no minimum order quantity ...

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