



















TPE Control cable | CF10.UL










- for maximum load requirements
- TPE outer jacket
- shielded
- oil-resistant, biooil-resistant
- flame-retardant
- PVC-free
- low-temperature-flexible
- hydrolysis-resistant and microbe-resistant

-  **Conductor** Stranded conductor in especially bending-resistant version consisting of bare copper wires (following EN 60228).
-  **Core insulation** Mechanically high-quality TPE mixture.
-  **Core stranding** **Number of cores < 12:** cores stranded in a layer with short pitch length. **Number of cores ≥ 12:** cores combined in bundles and stranded together around a centre for high tensile stresses with adapted, short pitch lengths and pitch directions, especially low-torsion structure.
-  **Core identification** **Cores < 0,75 mm²:** Colour code in accordance with DIN 47100 **Cores ≥ 0,75 mm²:** cores black with white numerals, one core green-yellow
-  **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: Slate grey (similar to RAL 7015)
-  **Bending radius** **moved** minimum 5 x d **fixed** minimum 3 x d
-  **Temperature** **moved** -35 °C to +100 °C **fixed** -40 °C to +100 °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 and more for gliding applications, Class 5
-  **UV-resistant** High
-  **Nominal voltage** 300/500 V (following DIN VDE 0245).
-  **Testing voltage** 2000 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

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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 and more 4 oil-resistant)

-  **Silicon-free** Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).
-  **UL/CSA** < 0,5 mm²: Style 10479 and 21529, 300 V, 90 °C
≥ 0,5 mm²: Style 10258 and 21530, 600 V, 90 °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.00396
-  **EAC** Certified according to N° TC RU C-DE.ME77.B.00960

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/s²]	Travel distance [m]	R min. [factor x d]
-35 / -25	10	6	> 400	6,8
-25 / +90	10	6	> 400	5
+90 / +100	10	6	> 400	6,8

* 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 and more 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 ...

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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]
CF10.UL.02.04	(4 x 0,25)C	7,0	28	69
CF10.UL.02.08	(8 x 0,25)C	9,0	41	104
CF10.UL.02.12	(12 x 0,25)C	10,5	70	158
CF10.UL.02.24	(24 x 0,25)C	13,0	120	255
CF10.UL.05.04	(4 x 0,5)C	8,5	41	99
CF10.UL.05.05 ⁽¹⁾	(5 x 0,5)C	9,0	48	112
CF10.UL.05.12	(12 x 0,5)C	13,0	117	259
CF10.UL.05.18 ⁽¹⁾	(18 x 0,5)C	15,0	161	349
CF10.UL.05.25	(25 x 0,5)C	16,5	204	420
CF10.UL.07.03	(3 G 0,75)C	8,5	44	106
CF10.UL.07.04	(4 G 0,75)C	9,0	54	123
CF10.UL.07.05	(5 G 0,75)C	10,0	75	156
CF10.UL.07.07	(7 G 0,75)C	11,0	99	203
CF10.UL.07.12	(12 G 0,75)C	14,5	158	342
CF10.UL.07.20 ⁽¹⁾	(20 G 0,75)C	17,0	235	482
CF10.UL.07.24 ⁽¹⁾	(24 G 0,75)C	19,5	304	588
CF10.UL.10.02 ⁽¹⁾	(2 x 1,0)C	8,5	42	105
CF10.UL.10.03 ⁽¹⁾	(3 G 1,0)C	9,0	53	121
CF10.UL.10.04	(4 G 1,0)C	10,0	79	158
CF10.UL.10.05 ⁽¹⁾	(5 G 1,0)C	10,5	92	181
CF10.UL.10.07	(7 G 1,0)C	12,0	120	238
CF10.UL.10.12	(12 G 1,0)C	15,0	189	380
CF10.UL.10.18 ⁽¹⁾	(18 G 1,0)C	19,0	302	586
CF10.UL.10.24 ⁽¹⁾	(24 G 1,0)C	21,5	381	753
CF10.UL.15.04	(4 G 1,5)C	10,5	104	194
CF10.UL.15.05	(5 G 1,5)C	11,5	124	228
CF10.UL.15.07	(7 G 1,5)C	13,0	164	299
CF10.UL.15.12	(12 G 1,5)C	18,0	268	523
CF10.UL.15.18	(18 G 1,5)C	21,5	413	771
CF10.UL.25.04	(4 G 2,5)C	12,0	154	276
CF10.UL.25.07	(7 G 2,5)C	15,0	250	441
CF10.UL.25.12	(12 G 2,5)C	21,5	445	845
CF10.UL.40.04	(4 G 4,0)C	13,5	227	376

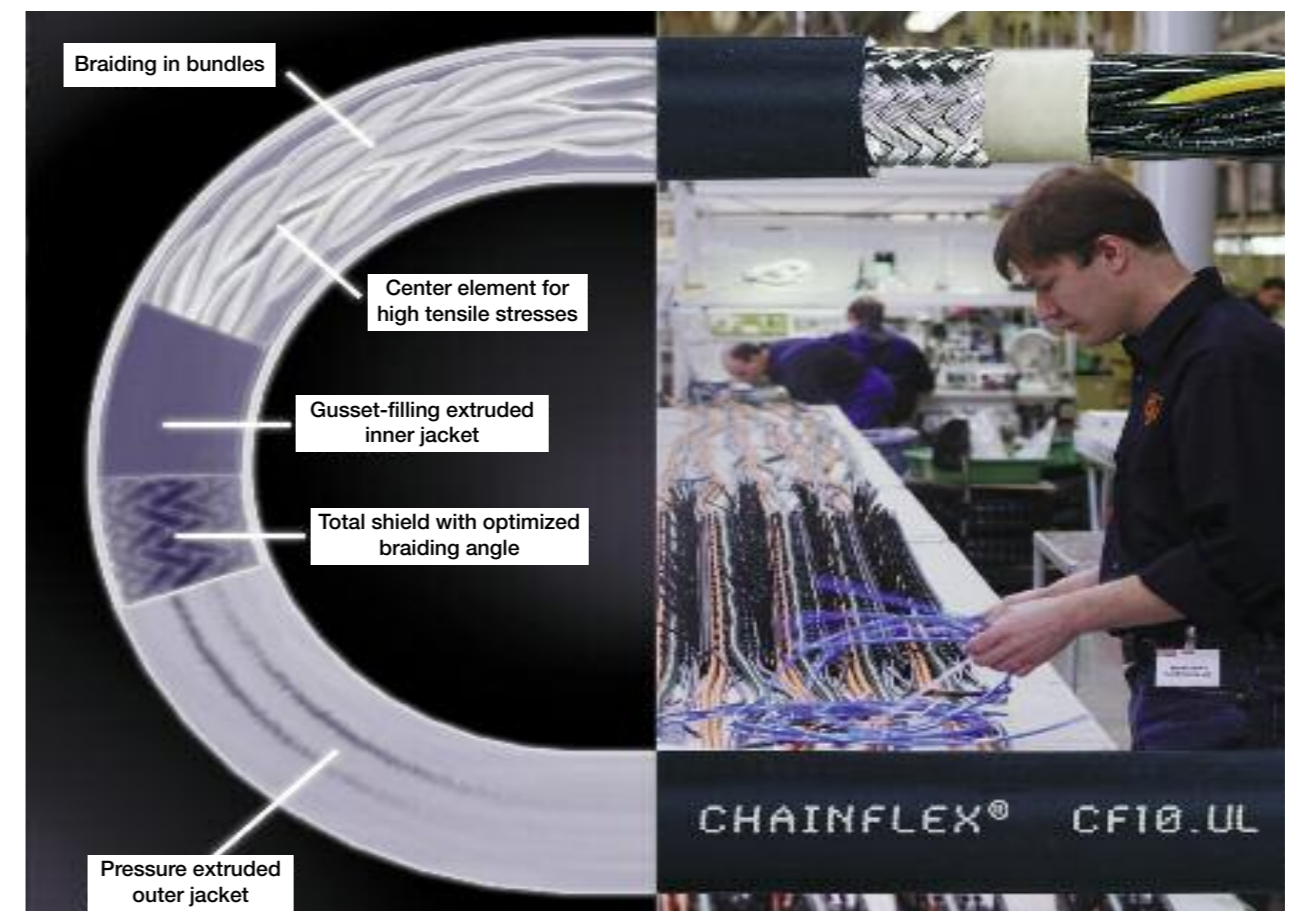
(1) Delivery time upon inquiry.
Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.
G = with green-yellow earth core x = without earth core

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Order example: CF10.UL.10.02 – in your desired length (0,5 m steps)
CF10.UL chainflex® series .10 Code nominal cross section .02 Number of cores

prices price list online
www.chainflex.eu/CF10UL

delivery time despatched in 24 hours or today



The special cable structure of chainflex® CF10.UL guarantees quality – also in the igus® harnessing.

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... no minimum order quantity ...
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