

Control cable

Chainflex® CF130.UL

PVC Energy Chain® control cable, flame-retardant

Conductor
Fine-wire
stranded conductor

Strain relief
Center element for
high tensile stresses

Stranding
Braiding in bundles
around high-tensile
center cord

Outer jacket
Gusset-filling,
pressure extruded

What is new about the new CF130.UL:

CF130.UL is the further development of the well-tried CF130 series. The new and essentially improved CF130.UL type could be developed because of a consequent development of process engineering and material. It offers the following advantages:

- UL-permission for all cross-section
- Braiding in bundles starting from 12 cores
- Same outside diameter like the braided in layers type
- Same price like the braided in layers type without UL-permission

Structure

Conductor: fine-wire stranded conductor consisting of bare copper wires.

Core insulation: number of cores <12: mechanically high-quality PVC insulation mixtur. Number of cores ≥12: mechanically high-quality TPE insulation mixtur.

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 black with white numerals, one core green/yellow, starting from a cross section of 0.5 mm², below that value, color code in accordance with DIN 47100.

Outer jacket: low-adhesion mixture on the basis of lead free¹⁾ PVC, adapted to suit the requirements in Energy Chains®. Color: gray (similar to RAL 7001)

Technical data

Minimum bending radius for use in Energy Chains®: 10 x cable diameter

Temperature range moved: -5 °C to +70 °C

Nominal voltage: number of cores <12: 300/500 V
number of cores ≥12: 300/300 V

Insulation resistance: ≥ 20 M Ω x km

Regulations: the cables are manufactured on the basis of VDE.

Approbationen: UL*

* Availability of UL types upon inquiry. ¹⁾ starting from manufacturing date 7/2002.

For detailed information ► please visit our homepage at: www.igus.de with



Price index



igus.de

CF130.UL

Delivery program
Part No.Number of cores and
conductor nominal
cross section [mm²]External
diameter
[mm] approx.Copper
index
kg/kmWeight
kg/km

CF130.02.04.UL	4 x 0,25	5,5	10	37
CF130.03.05.UL	5 x 0,34	5,5	17	48
CF130.05.02.UL	2 x 0,5	5,5	10	40
CF130.05.03.UL	3 x 0,5	6,0	14	55
CF130.05.04.UL	4 x 0,5	6,5	19	60
CF130.05.05.UL	5 x 0,5	7,0	24	65
CF130.05.07.UL	7 x 0,5	8,0	34	100
CF130.05.12.UL	12 x 0,5	10,0	58	150
CF130.05.18.UL	18 x 0,5	11,5	87	220
CF130.05.25.UL	25 x 0,5	13,5	121	280
CF130.07.02.UL	2 x 0,75	6,0	15	50
CF130.07.03.UL	3 x 0,75	6,5	22	60
CF130.07.04.UL	4 x 0,75	7,0	29	80
CF130.07.05.UL	5 x 0,75	7,5	36	90
CF130.07.07.UL	7 x 0,75	8,5	50	130
CF130.07.12.UL	12 x 0,75	10,5	86	190
CF130.07.18.UL	18 x 0,75	12,5	130	270
CF130.07.25.UL	25 x 0,75	15,0	181	360
CF130.10.03.UL	3 x 1,0	7,0	29	75
CF130.10.04.UL	4 x 1,0	7,5	39	90
CF130.10.05.UL	5 x 1,0	8,0	48	110
CF130.10.07.UL	7 x 1,0	9,5	68	170
CF130.10.12.UL	12 x 1,0	12,0	116	240
CF130.10.18.UL	18 x 1,0	13,5	173	340
CF130.10.25.UL	25 x 1,0	16,0	241	440
CF130.15.03.UL	3 x 1,5	7,5	44	90
CF130.15.04.UL	4 x 1,5	8,0	58	120
CF130.15.05.UL	5 x 1,5	9,5	72	140
CF130.15.07.UL	7 x 1,5	10,5	101	210
CF130.15.12.UL	12 x 1,5	13,0	173	340
CF130.15.18.UL	18 x 1,5	15,0	260	460
CF130.15.25.UL	25 x 1,5	19,0	361	620
CF130.25.04.UL	4 x 2,5	10,0	96	180
CF130.25.07.UL	7 x 2,5	13,0	168	350
CF130.25.12.UL	12 x 2,5	16,0	290	490
CF130.40.03.UL*	3 x 4,0	11,0	115	200
CF130.40.06.UL	6 x 4,0	14,0	230	390
CF130.60.04.UL	4 x 6,0	13,5	230	360
CF130.60.05.UL	5 x 6,0	15,0	288	418

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

Application area Chainflex® CF130.UL, PVC

● Unshielded Economy Energy Chain® control cable ● Excellent cost-performance ratio ● Approvals: UL* ● Medium stressing capacity in Energy Chains® ● Indoor areas, especially for short distances of travel ● Without influence of oil ● Timber processing machines, supply systems and re-adjusting installations

* Availability of UL types upon inquiry.

full online catalogs and PDF downloads, or order the CD-ROM and the main catalog. Thank you.

Chainflex®

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