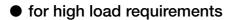
Class 5.4.2 (5 high load requirements 4 travel distance up to 100 m 2 oil-resistant)

CF30

PVC

 $7.5 \times d$



PVC outer jacket

PVC Power cable | CF30

- oil-resistant
- flame-retardant





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

Core stranding

Outer jacket

Cores stranded in short pitch lengths over a centre for high

Core identification

Energy conductor: Cores black with white numerals, one core green-yellow.

Low-adhesion, oil-resistant mixture on the basis of PVC, adap-

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

Temperature

minimum 4 x d fixed

with > 50.000 cycles

part 1-4 chapter 8.2

fixed

unsupported/gliding

a max.

80 m/s²

Travel distance Freely suspended travel distances and up to 100 m for gliding

applications, Class 4

Torsion

± 90°, with 1 m cable length

UV-resistant

Medium

oil

CEI

EAC

1. core: U / L1 / C / L+ 2. core: V / L2

3. core: W / L3 / D / L- 4. core: 4 / N

ted to suit the requirements in energy chains® (following DIN VDE

0281 Part 13).

Colour: Jet black (similar to RAL 9005)

moved minimum 7,5 x d

moved +5 °C to +70 °C for use in energy chains®

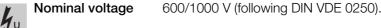
-5 °C to +70 °C following DIN EN 60811,

-20 °C to +70 °C

10 m/s, 5 m/s

Typical application area

- for high load requirements
- light oil influence
- freely suspended travel distances and up to 100 m for gliding applications
- Storage and retrieval units for high-bay warehouses, machining units/packaging machines, quick handling, indoor cranes



4000 V (following DIN VDE 0281-2). Testing voltage

Oil-resistant (following DIN EN 50363-4-1), Class 2.

According to IEC 60332-1-2, CEI 20-35, FT1, VW-1 Flame-retardant

Silicon-free Free from silicon which can affect paint adhesion (following PV 3.10.7 - status 1992).

Following CEI 20-35

UL/CSA Style 10492 and 2570, 1000 V, 80 °C

NFPA Following NFPA 79-2012 chapter 12.9 NEPA.

CE Following 2006/95/EG

Lead free Following 2011/65/EC (RoHS-II)

According to ISO Class 2. Outer jacket material complies with CF5.10.07, tested Clean room

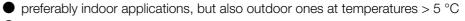
by IPA according to standard 14644-1.

CTP Certified according to Nº C-DE.PB49.V.00397

New! Guaranteed	d lifetime for th	is series	according	to the "chainflex®	guarantee club	conditions	Page 22-25
Double strokes*					5 million	7,5 million	10 million
Temperature,	v max. [m	n/s]	a max.	Travel distance	R min.	R min.	R min.
from/to [°C]	unsupported	gliding	[m/s ²]	[m]	[factor x d]	[factor x d]	[factor x d]
-5 / +5					10	11	12
+5 / +60	10	5	80	≤ 100	7,5	8,5	9,5
+60 / +70					10	11	12

Certified according to Nº TC RU C-DE.ME77.B.00964







NFPA







^{*} higher number of double strokes possible



Strip cables 50% faster!

IGUS" CHAINFLEX" CF30

Image exemplary.

Delivery program	Number of cores and	External	Copper	Weight
Part No.	conductor nominal	diameter	index	[kg/km]
	cross section [mm²]	max. [mm]	[kg/km]	
CF30.15.04	4 G 1,5	8,5	64	106
CF30.25.04	4 G 2,5	10,5	106	175
CF30.25.05	5 G 2,5	11,5	132	211
CF30.40.04	4 G 4,0	12,0	174	247
CF30.40.05	5 G 4,0	13,0	218	315
CF30.60.04	4 G 6,0	14,0	253	353
CF30.60.05	5 G 6,0	15,5	317	445
CF30.100.04	4 G 10,0	17,5	435	598
CF30.100.05	5 G 10,0	20,0	547	767
CF30.160.04	4 G 16,0	21,0	697	920
CF30.160.05	5 G 16,0	24,0	879	1166
CF30.250.04	4 G 25,0	25,5	1094	1420
CF30.350.04	4 G 35,0	29,0	1551	1786
CF30.500.04	4 G 50,0	35,0	2222	2768

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













