Guaranteed double strokes

For heavy duty applications

36 10 million

PVC outer jacket

Oil-resistant • Flame-retardant

Dynamic information

Bend radius

Temperature

v max.

🚬 a max.

Cable structure

Conductor

Core insulation

Core structure

Core identification

Outer jacket

CFRIP®

Electrical information

Nominal voltage

Testing voltage

Travel distance

Torsion

Motor cable | PVC | chainflex® CF30

flexible

flexible

fixed

gliding

80 m/s²

60228).

e-chain® linear

unsupported

fixed

7.5 x d

e-chain[®] linear minimum 7.5 x d

minimum 6 x d

minimum 4 x d

10 m/s

5 m/s

Torsion ±90°, with 1m cable length, Class 2

+5 °C up to +70 °C

consisting of bare copper wires (following DIN EN 60228).

Black cores with white numbers, one green-yellow core.

Strip cables faster: a tear strip is moulded into the outer jacket

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

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

e-chains® (following DIN EN 50363-4-1).

Colour: Jet black (similar to RAL 9005)

600/1000 V (following DIN VDE 0298-3)

Video ▶ www.igus.eu/CFRIP

4000 V (following DIN EN 50395)

1000 V (following UL)

-5 °C up to +70 °C (following DIN EN 60811-504)

-15 °C up to +70 °C (following DIN EN 50305)

Unsupported travels and up to 100 m for gliding applications, Class 5

Cores < 10 mm²: Stranded conductor in especially bending-resistant version

Cores ≥ 10 mm²: Conductor cable consisting of pre-leads (following DIN EN

Cores wound with a short pitch length around a high tensile strength centre

Low-adhesion, oil-resistant PVC mixture, adapted to suit the requirements in

Mechanically high-quality, especially low-capacitance XLPE mixture.





















Class 5.5.2.2

NFPA

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UV resistance	Medium

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

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

Silicone-free Free from silicone which can affect paint adhesion (following PV 3.10.7 – status UL verified

Certificate No. B129699: "igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"

Following NFPA 79-2018, chapter 12.9

UL/CSA AWM See data sheet for details ▶ www.igus.eu/CF30

EAC Certificate No. RU C-DE.ME77.B.02324 (TR ZU)

CTP CTP Certificate No. C-DE.PB49.B.00420 (Fire protection)

REACH REACH In accordance with regulation (EC) No. 1907/2006 (REACH)

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

Cleanroom According to ISO Class 2. The outer jacket material of this series complies with

CF5.10.07 - tested by IPA according to standard DIN EN ISO 14644-1

Following 2014/35/EU

Guaranteed service life (details see page 26-27)

Double strokes*	5 million	7.5 million	10 million
Temperature,			
from/to [°C]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
+5/+15	10	11	12
+15/+60	7.5	8.5	9.5
+60/+70	10	11	12

Typical mechanical application areas

- For heavy duty applications, Class 5
- Unsupported travels and up to 100 m for gliding applications, Class 5
- Light oil influence, Class 2
- Torsion ±90°, with 1m cable length, Class 2
- Preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- Storage and retrieval units for high-bay warehouses, machining units/ packaging machines, quick handling, indoor cranes

Guarantee Rodololololololo

UL-verified chainflex® guarantee ... www.igus.eu/ul-verified

chainflex cable guarantee and service life calculator based on 2 billion test cycles per year

igus 36-month

EPLAN download, configurators ▶ www.igus.eu/CF30

Travel distance, e-chain®

Motor cable | PVC | chainflex® CF30

Strip cables 50 % faster

c**FL**us

















igus chainflex CF30

Example image

Part No.	Number of cores and conductor nominal cross section	Outer diameter (d) max.	Copper index	Weight
	[mm²]	[mm]	[kg/km]	[kg/km]
CF30.15.04	4G1.5	8.0	61	104
CF30.25.04	4G2.5	10.0	100	166
CF30.25.05	5G2.5	11.0	124	203
CF30.40.04	4G4.0	11.5	163	249
CF30.40.05	5G4.0	12.5	204	302
CF30.60.04	4G6.0	13.5	237	343
CF30.60.05	5G6.0	15.0	297	410
CF30.100.04	4G10	16.5	407	548
CF30.100.05	5G10	19.5	515	684
CF30.160.04	4G16	20.0	646	826
CF30.160.05	5G16	23.5	815	1067
CF30.250.04	4G25	25.0	1014	1320
CF30.350.04	4G35	28.5	1439	1795
CF30.500.04	4G50	34.0	2061	2528

Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. G = with green-yellow earth core x = without earth core



Order example: CF30.15.04 – to your desired length (0.5 m steps) CF30 chainflex® series .15 Code nominal cross section .04 Number of cores



Online order ▶ www.chainflex.eu/CF30



Delivery time 24hrs or today. Delivery time means time until goods are shipped.





Reduce cost, improve technology, now!

Do the chainflex® price check now ... www.igus.eu/cf-price-check

... for example: Reduce cost with CF885



igus 36-month

36 month guarantee ... 1,354 types from stock ... no cutting charges