Guaranteed double strokes

For heaviest duty applications

36 10 million

TPE outer jacket

Dynamic information Bend radius

Temperature

Travel distance

Torsion

Core insulation

Core structure

Core identification

Outer jacket

CFRIP®

Electrical information

Nominal voltage

Testing voltage

Cable structure Conductor

Oil and bio-oil-resistant

PVC and halogen-free

Motor cable | TPE | chainflex® CF37.D

e-chain® linear

e-chain® linear

unsupported

flexible

flexible

gliding

80 m/s²

element.

fixed

fixed

UV-resistant

mininum 7.5 x d

minimum 6 x d

minimum 4 x d

10 m/s

6 m/s

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

sisting 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

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)

adapted to suit the requirements in e-chains®.

-35 °C up to +90 °C

Hydrolysis and microbe-resistant

-50 °C up to +90 °C (following DIN EN 60811-504)

-55 °C up to +90 °C (following DIN EN 50305)

Unsupported travels and up to 400 m and more for gliding applications, Class 6

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

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, extremely abrasion-resistant and highly flexible TPE mixture,

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

329

Class 7.6.4.2

Silicone-free

Free from silicone which can affect paint adhesion (following PV 3.10.7 – status

Certificate No. B129699: "igus 36-month chainflex cable guarantee and

Following DIN EN 60754 Halogen-free

UL verified service life calculator based on 2 billion test cycles per year'

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

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

RoHS Lead-free Cleanroom According to ISO Class 1. The outer jacket material of this series complies with

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

CF9.15.07 - tested by IPA according to standard DIN EN ISO 14644-1 DESINA According to VDW, DESINA standardisation

Following 2014/35/EU

Guaranteed service life (details see page 26-27)

llion 10 million	7.5 million	5 million	Double strokes*
otor x d] R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	Temperature, from/to [°C]
12	11	10	-35/-25
9.5	8.5	7.5	-25/+80
12	11	10	+80/+90
	11 online ▶ www.iau		+80/+90 * Higher number of double

Typical mechanical application areas

- For heaviest duty applications, Class 7
- Unsupported travels and up to 400 m and more for gliding applications, Class 6
- Almost unlimited resistance to oil, also with bio-oils, Class 4
- Torsion ±90°, with 1m cable length, Class 2
- Indoor and outdoor applications, UV-resistant
- Storage and retrieval units for high-bay warehouses, Machining units/machine tools, quick handling, Cleanroom, semiconductor insertion, outdoor cranes, low temperature applications

Part No.	Number of cores and conductor nominal cross section	Outer diameter (d) max.	Copper index	Weight
	[mm²]	[mm]	[kg/km]	[kg/km]
CF37.15.04.D	4G1.5	8.0	61	95
CF37.25.04.D	4G2.5	10.0	100	149
CF37.40.04.D	4G4.0	11.5	163	221
CF37.60.04.D	4G6.0	13.5	237	317
CF37.60.05.D	5G6.0	15.0	297	387
CF37.100.04.D	4G10	16.5	407	503
CF37.100.05.D	5G10	19.0	515	634
CF37.160.04.D	4G16	20.0	646	773
CF37.160.05.D	5G16	22.5	815	963
CF37.250.04.D	4G25	24.0	1014	1203
CF37.500.03.O.PE.D	3x50	30.0	1530	1826

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



HENNLICH-

ŽIJEME TECHNIKOU

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

Properties and approvals UV resistance

Oil resistance

Oil-resistant (following DIN EN 60811-404), bio-oil-resistant (following VDMA

24568 with Plantocut 8 S-MB tested by DEA), Class 4

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





Travel distance, e-chain®