Double strokes guaranteed

For maximum voltages and outputs

36 10 million

• igupren outer jacket

Dynamic information

Bend radius

Temperature

v max.

a a max.

Cable structure

Travel distance

Conductor

Core insulation

Overall shield

Outer jacket

Electrical information

Nominal voltage

Testing voltage

Shielded Oil-resistant

flexible

flexible

fixed

gliding

 50m/s^2

60228).

ene rubber (EPR).

Coverage approx. 95% optical

Colour: Flame red (similar to RAL 3000)

17kV (following DIN VDE 0250, Part 813)

e-chain® linear

unsupported

fixed

Medium voltage cable | igupren | chainflex® CFCRANE

e-chain[®] linear minimum 10 x d

minimum 8 x d

minimum 5 x d

10m/s

6m/s

Extremely bending-resistant, tinned copper shield.

the requirements in e-chains® (following VDE 0207, Part 21).

6/10kV (following DIN VDE 0250), other voltages upon request.

-20°C up to +80°C

Flame-retardant

-25°C up to +80°C (following DIN EN 60811-504)

-30°C up to +80°C (following DIN EN 50305)

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

Highly-flexible cable consisting of tinned copper wires (following DIN EN

Inner and outer semiconducting layer made of conductive rubber. Insulating

sheath made of highly-quality, heat-resistant and ozone-proof ethylene propyl-

Low-adhesion iguprene mixture, especially abrasion resistant, adapted to suit

Travel distance, e-chain®

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

igus 36-month

service life

Class 6.6.3.1

UL verified

REACH

Properties and approvals

-		
UV -	UV resistance	High

Oil-resistant (following DIN EN 60811-404) Oil resistance

Flame-retardant According to IEC 60332-1-2

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

> service life calculator based on 2 billion test cycles per year" In accordance with regulation (EC) No. 1907/2006 (REACH)

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

Following 2014/35/EU

UK UKCA In accordance with the valid regulations of the United Kingdom (as at 08/2021)

Guaranteed service life (details see page 28-29)

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]
-20/-10	12.5	13.5	14.5
-10/+70	10	11	12
+70/+80	12.5	13.5	14.5
* Higher number of double stro	kes? Service life calculation o	nline ► www.igus.eu/chainfle:	xlife

- For maximum voltages and outputs, Class 6
- Unsupported travels and up to 400m and more for gliding applications, Class 6
- Almost unlimited resistance to oil, Class 3
- No torsion, Class 1

Typical application areas

- Indoor and outdoor applications, UV-resistant
- Ship to shore, crane applications, conveyor technology

This cable series will be individually manufactured for your special project. Due to this we do not have this cable on stock, but can offer it exactly for your special demands.

Medium voltage cables available from stock (CFCRANE.PUR) ▶ Page 374





Guarantee