

chainflex® CF885.PE



5,000,000

Double strokes guaranteed



15 x d

Bend radius, e-chain®



10m

Travel distance, e-chain®

- For flexing applications
- PVC outer jacket
- Flame-retardant

Dynamic information



Bend radius

e-chain® linear

minimum 15 x d

flexible

minimum 12 x d

fixed

minimum 8 x d



Temperature

e-chain® linear

+5°C up to +70°C

flexible

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

fixed

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



v max.

unsupported

3m/s



a max.

20m/s²



Travel distance

Unsupported travels up to 10m, Class 1

Cable structure



Conductor

Conductor consisting of bare copper wires (according to DIN EN 60228).



Core insulation

Mechanically high-quality PVC mixture.



Core identification

Green-yellow



Outer jacket

Low-adhesion PVC mixture, adapted to suit the requirements in e-chains®.
Colour: Pastel orange (similar to RAL 2003)

Electrical information



Nominal voltage

600/1,000V (following DIN VDE 0298-3)
600V (following UL)

Testing voltage

4,000V (following DIN EN 50395)

Properties and approvals



Flame-retardant

According to IEC 60332-1-2, Cable Flame, VW-1, FT1, FT2 / Horizontal Flame



Silicone-free

Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)



PTFE-free

The design of these products does not contain PTFE



UL-verified

Certificate No. V293650: „igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year“



UL/CSA AWM

See data sheet for details ► www.igus.sk/CF885PE

NFPA

Following NFPA 79-2018, chapter 12.9

4-year guarantee ... more than 1,350 cable types from stock ... no cutting costs



Basic requirements
Travel distance
Oil resistance
Torsion

low 1 2 3 4 5 6 7 highest
unsupported 1 2 3 4 5 6 ≥ 400m
none 1 2 3 4 highest
none 1 2 3 4 ±360°

Class 3.1.1.1



REACH

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



Lead-free

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



CE

Following 2014/35/EU

Guaranteed service life (details see page 14-15)

Double strokes*	1 million	3 million	5 million
Temperature, from/to [°C]	R min. [x d]	R min. [x d]	R min. [x d]
+5/+15	17.5	18.5	19.5
+15/+60	15	16	17
+60/+70	17.5	18.5	19.5

* Higher number of double strokes? Service life calculation online ► www.igus.sk/chainflexlife

Typical application areas

- For flexing applications, Class 3
- Especially for unsupported travels, Class 1
- Without influence of oil, Class 1
- No torsion, Class 1
- Preferably indoor applications
- Wood/stone processing, packaging industry, feeding, handling, adjusting devices

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]	Shop and prices online
CF885.PE.25.01	1G2.5	6.5	25	59	 www.igus.sk/CF885PE
CF885.PE.40.01	1G4.0	7.5	41	78	
CF885.PE.60.01	1G6.0	8.0	61	100	
CF885.PE.100.01	1G10	9.5	100	157	
CF885.PE.160.01	1G16	11.0	159	226	
CF885.PE.250.01	1G25	12.5	248	325	

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



Cables available in the chainflex® CASE

Simple savings on delivery, storage space and re-ordering with the chainflex® CASE - ship'n store by igus®.

More on this online: www.igus.sk/cf-case