

Spindle cable/Single core | **PVC** | chainflex® CF885.PE

36

5 million

Guaranteed double strokes

R

15 x d

Bend radius, e-chain®

10 m

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	3 m/s
	a max.		20 m/s²
	Travel distance		Unsupported travels up to 10 m, 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	600/1000 V (following DIN VDE 0298-3) 600 V (following UL)
	Testing voltage	4000 V (following DIN EN 50395)

Properties and approvals

	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 1992)
	UL verified	Certificate No. B129699: „igus 36-month 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.eu/CF885.PE

EPLAN download, configurators ► www.igus.eu/CF885.PE

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



Class 3.1.1.1

NFPA

EAC

REACH

RoHS

CE

Following NFPA 79-2018, chapter 12.9

Certificate No. RU C-DE.ME77.B.00302/19 (TR ZU)

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

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

Following 2014/35/EU

Basic requirements	low	1	2	3	4	5	6	7	highest
Travel distance	unsupported	1	2	3	4	5	6	≥ 400 m	
Oil resistance	none	1	2	3	4	highest			
Torsion	none	1	2	3	4	±360°			

Guaranteed service life (details see page 26-27)

Double strokes*	1 million	3 million	5 million
Temperature, from/to [°C]	R min. [factor x d]	R min. [factor x d]	R min. [factor 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.eu/chainflexlife

Typical mechanical application areas

- For flexing applications, Class 3
- Especially for unsupported travels, Class 1
- Without influence of oil, Class 1
- Preferably indoor applications
- Wood/stone processing, Packaging industry, supply systems, Handling, adjusting equipment

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF885.PE.25.01	1G2.5	6.5	25	59
CF885.PE.40.01	1G4.0	7.5	61	83
CF885.PE.60.01	1G6.0	8.0	61	100
CF885.PE.100.01	1G10	9.5	100	155
CF885.PE.160.01	1G16	11.0	159	226
CF885.PE.250.01	1G25	12.5	248	342

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

Guarantee

igus chainflex

36

month guarantee

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

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