

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

- 36** 5 million Guaranteed double strokes
- 15 x d** Bend radius, e-chain®
- 10 m** Travel distance, e-chain®

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

## Dynamic information

	<b>Bend radius</b>	<b>e-chain® linear flexible</b>	minimum 15 x d minimum 12 x d
		<b>fixed</b>	minimum 8 x d
	<b>Temperature</b>	<b>e-chain® linear flexible</b>	+5 °C up to +70 °C -5 °C up to +70 °C (following DIN EN 60811-504)
		<b>fixed</b>	-15 °C up to +70 °C (following DIN EN 50305)
	<b>v max.</b>	<b>unsupported</b>	3 m/s
	<b>a max.</b>		20 m/s <sup>2</sup>
	<b>Travel distance</b>		Unsupported travels up to 10 m, Class 1

## Cable structure

	<b>Conductor</b>	Conductor consisting of bare copper wires (according to DIN EN 60228).
	<b>Core insulation</b>	Mechanically high-quality PVC mixture.
	<b>Core identification</b>	Green-yellow
	<b>Outer jacket</b>	Low-adhesion PVC mixture, adapted to suit the requirements in e-chains®. Colour: Pastel orange (similar to RAL 2003)

## Electrical information

	<b>Nominal voltage</b>	600/1000 V (following DIN VDE 0298-3) 600 V (following UL)
	<b>Testing voltage</b>	4000 V (following DIN EN 50395)

## Properties and approvals

	<b>Flame retardant</b>	According to IEC 60332-1-2, FT1, VW-1
	<b>Silicone-free</b>	Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992)
	<b>UL verified</b>	Certificate No. B129699: „igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year“
	<b>UL/CSA AWM</b>	See data sheet for details ► <a href="http://www.igus.eu/CF885.PE">www.igus.eu/CF885.PE</a>

## Class 3.1.1.1

- NFFPA** Following NFFPA 79-2018, chapter 12.9
- EAC** Certificate No. RU C-DE.ME77.B.00302/19 (TR ZU)
- 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 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](http://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 [mm <sup>2</sup> ]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
<b>CF885.PE.25.01</b>	1G2.5	6.5	25	59
<b>CF885.PE.40.01</b>	1G4.0	7.5	61	83
<b>CF885.PE.60.01</b>	1G6.0	8.0	61	100
<b>CF885.PE.100.01</b>	1G10	9.5	100	155
<b>CF885.PE.160.01</b>	1G16	11.0	159	226
<b>CF885.PE.250.01</b>	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



Example image

EPLAN download, configurators ► [www.igus.eu/CF885.PE](http://www.igus.eu/CF885.PE)

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