






Spindle cable/Single core | PVC | chainflex® CF885




- 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

 Bend radius	e-chain® linear flexible	minimum 15 x d minimum 12 x d
	fixed	minimum 8 x d
 Temperature	e-chain® linear flexible	+5 °C up to +70 °C -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/s ²
 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.
 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

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°			

Class 3.1.1.1

-  **NFPA** Following NFPA 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

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 ²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
CF885.40.01	1x4.0	7.5	41	78
CF885.60.01	1x6.0	8.0	61	100
CF885.100.01	1x10	9.5	100	157
CF885.160.01	1x16	11.5	159	237
CF885.250.01	1x25	12.5	248	325
CF885.350.01	1x35	15.0	347	474
CF885.500.01	1x50	16.5	495	644
CF885.700.01 ¹¹⁾	1x70	18.5	686	844
CF885.950.01 ¹¹⁾	1x95	20.5	931	1024

¹¹⁾ Phase-out model

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

igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year

CFRIP

UL LISTED

UL US

NFPA

CUPA

REACH

RoHS

CE

Guarantee igus chainflex **36** month guarantee

igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year

igus® chainflex® CF885

Example image

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

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



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