



















Class 3.1.1.1

Properties and approvals

NFPA

M	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)

Torsion

PFAS-free Use of PFAS-free materials according to the content of the REACH directive and its rules for the production and processing of chemical substances 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.eu/CF886

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

Following NFPA 79-2018, chapter 12.9

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

CE_{CE} Following 2014/35/EU

Guaranteed service life (details see page 28-29)

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
*			iir-

^{*} Higher number of double strokes? Service life calculation online ▶ www.igus.eu/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]
CF886.15.04	(4G1.5)C	9.0	82	119
CF886.25.04	(4G2.5)C	10.5	132	181
CF886.40.04	(4G4.0)C	12.0	204	263
CF886.60.04	(4G6.0)C	14.5	269	377
CF886.100.04	(4G10)C	18.5	458	577
CF886.160.04	(4G16)C	21.0	760	829

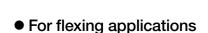
Note: The given outer diameters are maximum values and may tend toward lower tolerance limits. G = with green-yellow earth core x = without earth core



igus 4-year chainflex cable guarantee and service life calculator based on 2 billion test cycles per year 313

5 million **15** x d Double strokes guaranteed Bend radius, e-chain®

Motor cable | PVC | chainflex® CF886



- PVC outer jacket
- Shielded

PVC

Flame-retardant

Dynamic information

Bend radius	e-chain® linear	minimum 15 x d
(CR	flexible	minimum 12 x d
	fixed	minimum 8 x d

remperature	e-chain ^s linear	+3 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)

3m/s

a max.	20m/s ²

Unsupported travels up to 10m, Class 1

unsupported

Cable structure

v max.

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

Core insulation	Mechanically high-quality, especially low-capacitance TPE mixture.

	mosticalloary right quality, copoolarly low capacitation in 2 miles
Coro etructure	Caraa waynd with an antimicad nitch langth

Core structure	Cores wound with an optimised pitch length.
Core identification	Black cores with white numbers, one green-yellow core.
	1 Core·II/I1/C/I_

• •	Eldert Golde Will William Farmore, one groom yellew Golde
	1. Core: U / L1 / C / L+
	2. Core: V / L2
	3. Core: W / L3 / D / L-

	0. 00.0, 20, 2, 2
Overall shield	Braiding made of tinned copper wires.
,	Coverage approx 60% optical

ıter 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)
	1,000V (following UL)

Testing voltage	4,000V (following DIN EN 50395)
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Travel distance, e-chain®