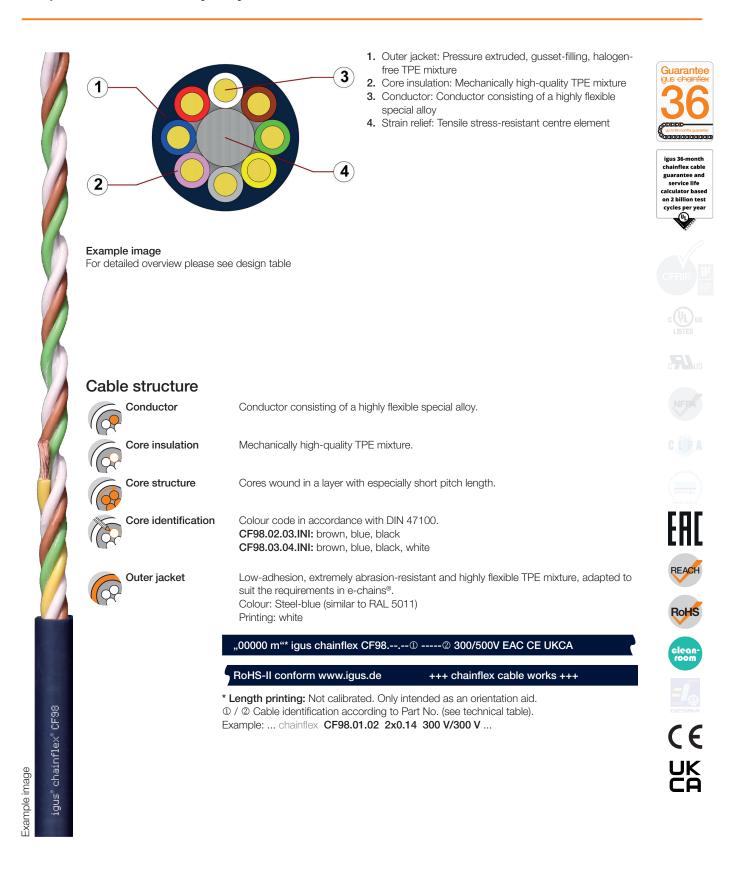


Control cable (Class 7.5.4.2) \bullet For heaviest duty applications and especially small radii down to 4 x d \bullet TPE outer jacket \bullet Oil and bio-oil resistant \bullet PVC and halogen-free \bullet Low-temperature-flexible \bullet Hydrolysis and microbe-resistant



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Guarantee

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Dynamic information Bend radius	ON e-chain [®] linear flexible fixed	minimum 4 x d minimum 4 x d minimum 3 x d	
*C Temperature	e-chain [®] linear flexible fixed	-35 °C up to +90 °C -50 °C up to +90 °C (following DIN EN 60811-504) -55 °C up to +90 °C (following DIN EN 50305)	
v max.	unsupported gliding	10 m/s 6 m/s	
a max.	100 m/s ²		
Travel distance	Short, very fast applications with small radii and tight design space, Class 5		
Torsion	\pm 90°, with 1 m cable length, Class 2		

These values are based on specific applications or tests. They do not represent the limit of what is technically feasible.

Guaranteed service life according to guarantee conditions

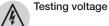
Double strokes	20 million	30 million	40 million
Temperature, from/to [°C]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]
-35/-25	5	6	7
-25/+80	4	5	6
+80/+90	5	6	7

Minimum guaranteed service life of the cable under the specified conditions.

The installation of the cable is recommended within the middle temperature range.

Electrical information

Nominal voltage 300/300 V



1500 V

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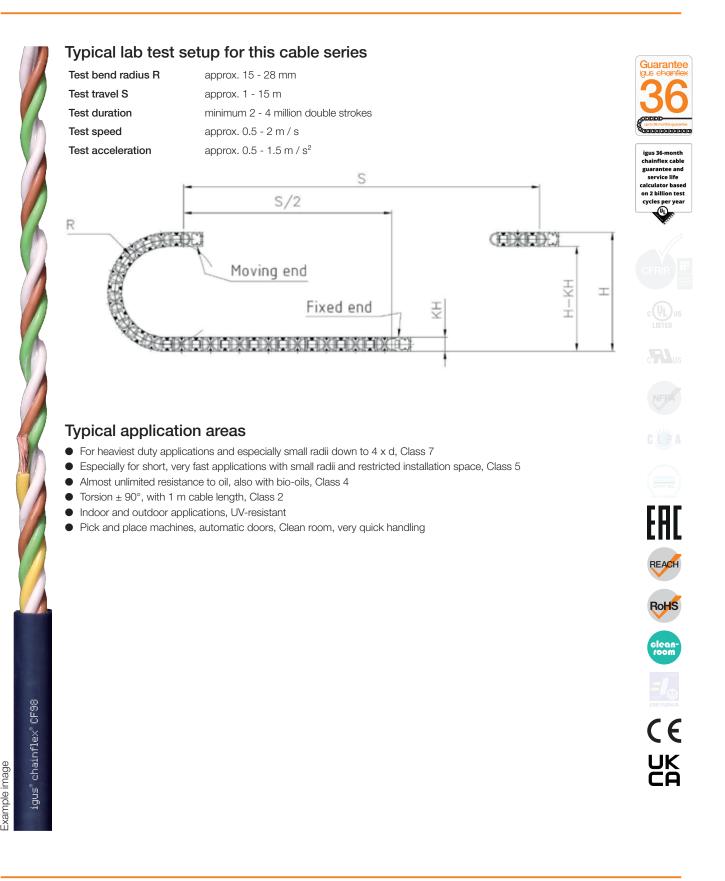


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Oil resistance Oil-resistant (following DIN EN 60811-404), bio-oil-resistant (following VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4 Silicone-free Free from silicone which can affect paint adhesion (following PV 3.10.7 – status 1992) Halogen-free Following DIN EN 60754 UL verified Certificate No. B129699: "igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year" EAC Certificate No. RU C-DE.ME77.B.00300/19 REACH In accordance with regulation (EC) No. 1907/2006 (REACH) Lead-free Following 2011/65/EC (RoHS-II/RoHS-III) Cleanroom According to ISO Class 1. The outer jacket material of this series complies with CF9.15.07 - tested by IPA according to standard DIN EN ISO 14644-1 Following 2014/35/EU In accordance with the valid regulations of the United Kingdom (as at 08/2021)	
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Technical tables:

Mechanical information

Part No.	Number of cores and conductor nominal cross section	Outer diameter (d) max.	Copper index	Weight
	[mm ²]	[mm]	[kg/km]	[kg/km]
CF98.01.02	2x0.14	4.5	5	18
CF98.01.03	3x0.14	4.5	6	20
CF98.01.04	4x0.14	5.0	8	25
CF98.01.08	8x0.14	6.5	15	43
CF98.02.03.INI	3x0.25	5.0	11	29
CF98.02.04	4x0.25	5.5	15	36
CF98.02.07 ¹¹⁾	7x0.25	7.0	25	59
CF98.02.08	8x0.25	7.5	30	67
CF98.03.04.INI	4x0.34	6.0	15	39
CF98.05.04	4x0.5	6.0	33	53

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

Electrical information Conductor nominal cross Maximum conductor resistance at 20 Max. current rating at 30 °C section °C (following DIN EN 50289-1-2) [mm²] $[\Omega/km]$ [A] 0.14 140 2.5 0.25 88 5 7 0.34 72 10 0.5 50

The final maximum current rating depends among other things on the ambient conditions, the type of the installation and the number of loaded cores.

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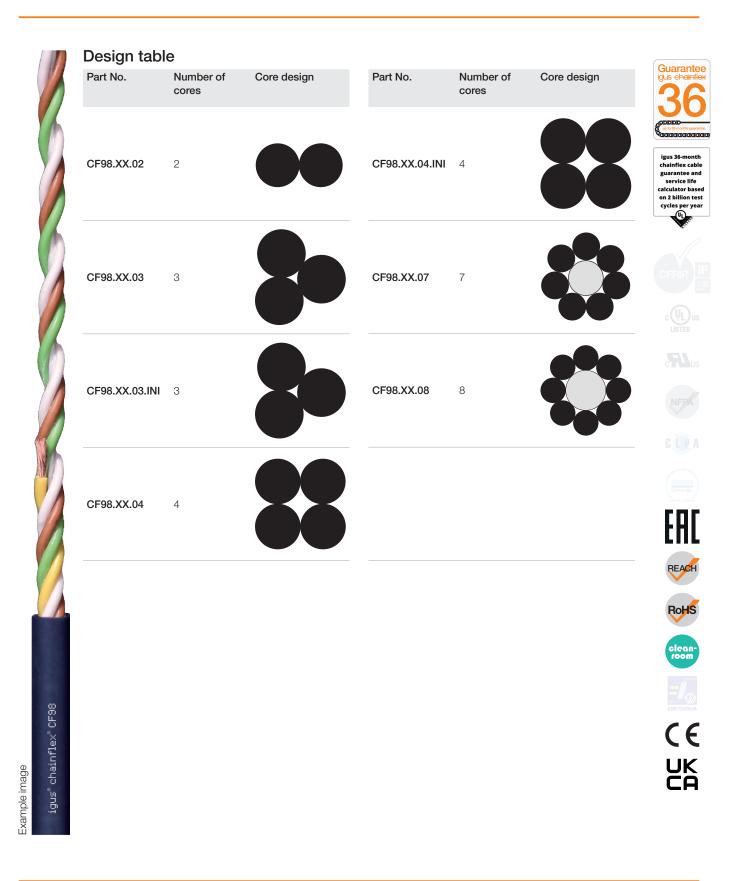
Guarantee



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Colour code in accordance with DIN 47100

Conductor no.	Colours according to DIN ISO 47100	Conductor no.	Colours according to DIN ISO 47100
1	white	19	white-pink
2	brown	20	pink-brown
3	green	21	white-blue
4	yellow	22	brown-blue
5	grey	23	white-red
6	pink	24	brown-red
7	blue	25	white-black
8	red	26	brown-black
9	black	27	grey-green
10	violet	28	yellow-grey
11	grey-pink	29	pink-green
12	red-blue	30	yellow-pink
13	white-green	31	green-blue
14	brown-green	32	yellow-blue
15	white-yellow	33	green-red
16	yellow-brown	34	yellow-red
17	white-grey	35	green-black
18	grey-brown	36	yellow-black





EAC

REACH

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