IS	PVC iguPUR	PUR TF	ΡE		New		Basic requirements Travel distance	low 1 2 3 4 5 6 7 unsupported 1 2 3 4 5 6 ≥	
	Control cable	TPE ch	ainflex® CF98	8.PLUS		Class 7.5.4.2	Oil resistance Torsion	none 1 2 3 4 highest none 1 2 3 4 ±360°	
	36 Double strokes guara	inteed Ben	x d Id radius, e-chain®	100m Travel distanc	e, e-chain®	Properties and approval	<mark>s</mark> High		
		unlighting and				Oil resistance		DIN EN 60811-404), bio-oil-re	
		For heaviest duty applications and very small radii down to 3 x d				Silicone-free	24568 with Plantocut 8 S-MB tested by DEA), Class 4 Free from silicone which can affect paint adhesion (follo		
	 TPE outer jacket 				strokes		1992)		
	 Oil and bio-oil-resist DVC and balagon fr 			in e-ch		Halogen-free	Following DIN EN 60754	4	
	 PVC and halogen-free Low-temperature-flexible Hydrolysis and microbe-resistant 					UL verified	Certificate No. B129699: "igus 36-month chainfle service life calculator based on 2 billion test cycles p		
	• Hydrolysis and microbe-resistant				EAC	Certificate No. RU C-DE			
						נחג			
	Dunamia information					REACH	In accordance with regu	ulation (EC) No. 1907/2006 (RI	
	Dynamic information Bend radius	e-chain [®] linear flexible	minimum 3 x d minimum 3 x d			Rous Lead-free	Following 2011/65/EC (RoHS-II/RoHS-III)	
	1944 and 19	fixed	minimum 3 x d			clean- Cleanroom	According to ISO Class	1. The outer jacket material of	
	Comperature	e-chain® linear	-35°C up to +90°C			room	CF9.15.07 - tested by II	PA according to standard DIN	
		flexible	-50°C up to +90°C (fo	•	-	CECE	Following 2014/35/EU		
	v max.	fixed unsupported	-55°C up to +90°C (fo 10m/s	NIOWING DIIN EIN 50305)		In accordance with the	valid regulations of the United I	
		gliding	6m/s			ČÀ			
	a max.	100m/s ²							
	Travel distance	Short, very fast applications with small radii and restricted installation space,			Guaranteed service life (details see page 28-29)				
		Class 5				Double strokes*	5 million	40 million	
	Torsion	Torsion ±90°, wit	h 1m cable length, Class	s 2		Temperature, from/to [°C]	R min. [factor x d]	R min. [factor x d]	
	Cable structure					-35/-25	4	6	
	Conductor	Conductor consi	sting of a highly flexible s	special alloy.		-25/+80	3	5	
						+80/+90	4	6	
	Core insulation	Mechanically hig	h-quality TPE mixture.			* Higher number of double st	rokes? Service life calculation o	nline www.igus.eu/chainflexlife	
	Core structure	Cores wound in a	a layer with especially sh	ort pitch length.		Turing any lighting area			
	Core identification	Colour code in a	ccordance with DIN 471	00		Typical application areas Eor beaviest duty applic	s cations and very small radii d	own to 3 x d. Class 7	
			03.INI: brown, blue, blac				-	I radii and restricted installation	
			04.INI: brown, blue, blac				ance to oil, also with bio-oils,		
	Outer jacket	Low-adhesion, extremely abrasion-resistant and highly flexible TPE mixture,			 Torsion ±90°, with 1m cable length, Class 2 				
		adapted to suit th	he requirements in e-cha	ains [®] .		 Indoor and outdoor appreciation 	olications, UV-resistant		
		Colour: Steel blue (similar to RAL 5011)			 Pick and place machine 	es, automatic doors, cleanro	om, very quick handling		
	Electrical information	200/2001							
	Nominal voltage	300/300V							
	Testing voltage	1,500V							

EU2023

Example image

EPLAN download, configurators ► www.igus.eu/CF98PLUS



il-resistant (following VDMA ss 4 following PV 3.10.7 – status

nflex cable guarantee and s per year"

(REACH)

l of this series complies with DIN EN ISO 14644-1

ed Kingdom (as at 08/2021)

R min. [factor x d]

> 7 6

> > 7

ation space, Class 5





CF98.PLUS

TPE

3 x d

Guarantee Igus chainflex **36** Control Igus chainflex Control Control Igus chainflex Control Co

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













C E



Control cable | TPE | chainflex[®] CF98.PLUS

igus chainflex CF98.PLUS

Example image

	Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
New	CF98.PLUS.01.02	2x0.14	4.5	4	18
New	CF98.PLUS.01.03	3x0.14	4.5	6	20
New	CF98.PLUS.01.04	4x0.14	5.0	7	25
New	CF98.PLUS.01.08	8x0.14	6.5	15	45
New	CF98.PLUS.02.03.INI	3x0.25	5.0	10	29
New	CF98.PLUS.02.04	4x0.25	5.5	14	36
New	CF98.PLUS.02.08	8x0.25	7.5	29	68
New	CF98.PLUS.03.04.INI	4x0.34	6.0	15	38
New	CF98.PLUS.05.04	4x0.5	6.0	32	53

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



Cables available in the chainflex[®] CASE

Simple savings on delivery, storage space and re-ordering with



the chainflex[®] CASE - ship'n store by igus[®].

More on this on page 24/25 and online: www.igus.eu/cf-case

Order example: CF98.PLUS.01.02 – to your desired length (0.5m steps) CF98.PLUS chainflex[®] series .01 Code nominal cross section .02 Number of cores



Order online ► www.igus.eu/CF98PLUS



Delivery time 24hrs or today. Delivery time means time until goods are shipped.



Class 7.5.4.2

CF298 and CF299 control cable series.

control cables.

shielded and unshielded versions. 100 million double strokes!

EPLAN download, configurators ► www.igus.eu/CF98PLUS







times, 99% availability. These are the requirements that innovative

The new generation of chainflex® CF98.PLUS (unshielded) and chainflex[®] CF99.PLUS (shielded) control cables are a consistent development of the well-known, highly successful CF98/CF99 and

conductor materials supported by a wide variety of test series in the

bend radius of just 3 x d (3 x cable diameter).

The cross-sectional areas range from 0.14mm² to 0.5mm² in both the

goods for use in an e-chain® with a guaranteed service life of

This is with acceleration values of up to 100m/s².





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

















CE UK CA