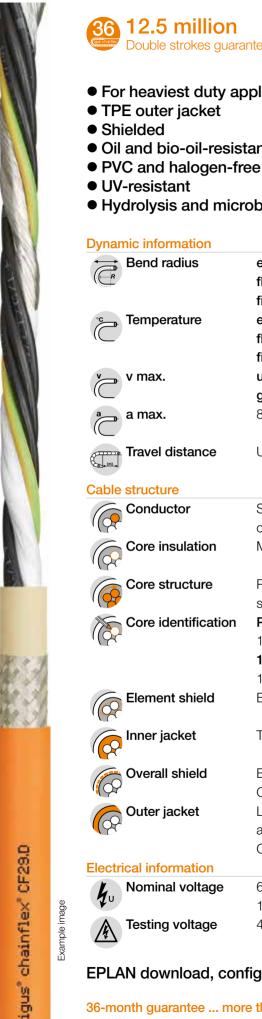
Servo cable | TPE | chainflex® CF29.D



12.5 million Double strokes guara		3 x d d radius, e-chain®	400m Travel distance, e-chain [®]			
or heaviest duty ap PE outer jacket hielded il and bio-oil-resist VC and halogen-fre V-resistant ydrolysis and micro	ant ee		Now available with UL approval & 25% longer service life			
amic information						
 Bend radius Temperature 	e-chain [®] linear flexible fixed e-chain [®] linear	minimum 6.8 x d minimum 5 x d minimum 4 x d -35°C up to +100°C				
	flexible fixed		(following DIN EN 60811-504) (following DIN EN 50305)			
v max.	unsupported gliding 80m/s ²	10m/s 5m/s				
a max.	00III/S-					
Travel distance	Unsupported travels and up to 400m and more for gliding applications, Class 6					
e structure						
Conductor	Stranded conductor in especially bending-resistant version consisting of bare copper wires (following DIN EN 60228).					
Core insulation	Mechanically high	n-quality, especially low	-capacitance XLPE mixture.			
Core structure	Power cores with stresses.	n control pair elements	wound with elements for high tensile			

stresses **Power cores:** Black cores with white numbers, one green-yellow core. 1. Core: U/L1/C/L+ 2. Core: V/L2 3. Core: W/L3/D/L-

1 control pair: Black cores with white numbers. 1. Control core: 4 2. Control core: 5 Element shield Extremely bending-resistant braiding made of tinned copper wires.

TPE mixture adapted to suit the requirements in e-chains[®].

Extremely bending-resistant braiding made of tinned copper wires. Coverage linear approx. 70%, optical approx. 90% Low-adhesion, extremely abrasion-resistant and highly flexible TPE mixture, adapted to suit the requirements in e-chains[®]. Colour: Pastel orange (similar to RAL 2003)

Electrical information

Nominal voltage

1,000V (following UL) Testing voltage 4,000V (following DIN EN 50395)

EPLAN download, configurators ► www.igus.eu/CF29D

36-month guarantee ... more than 1,350 cable types from stock ... no cutting charges

600/1,000V (following DIN VDE 0298-3)



Class 7.6.4.1

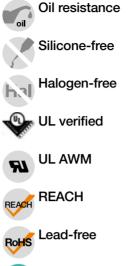
Torsion Properties and approvals UV resistance Medium

1992)

Basic requirements

Travel distance Oil resistance

Following DIN EN 60754



Cleanroom

DESINA

CECE

CA

UK UKCA

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

(from production date 01/2022)

Following 2014/35/EU

Guaranteed service life (details see page 28-29)

	· · · · · · · · · · · · · · · · · · ·		/					
Double strokes*		illion		nillion	12.5 ı	million		
Temperature, from/to [°C]	< 10m	≥ 10m	< 10m	≥ 10m	< 10m	≥ 10m		
	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]	R min. [factor x d]		
-35/-25	8.5	10	9.5	11	10.5	12		
-25/+90	6.8	7.5	7.5	8.5	8.5	9.5		
+90/+100	8.5	10	9.5	11	10.5	12		
* Higher number of double strokes? Service life calculation online ▶ www.igus.eu/chainflexlife								

Typical application areas

- For heavy-duty applications, Class 7
- Unsupported travels and up to 400m and more for gliding applications, Class 6
- Almost unlimited resistance to oil, also with bio-oils
- No torsion, Class 1
- Indoor and outdoor applications, UV-resistant, Class 4
- Storage and retrieval units for high-bay warehouses, machining units/machine tools, quick handling, cleanroom, semiconductor insertion, outdoor cranes, low-temperature applications

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]
1 control pair shielded				
CF29.15.15.02.01.D	(4G1.5+(2x1.5)C)	13.0	145	231
CF29.25.15.02.01.D	(4G2.5+(2x1.5)C)C	14.0	199	291
CF29.40.15.02.01.D	(4G4.0+(2x1.5)C)C	15.5	256	367

EU202

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



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HENNLICH -



Oil-resistant (following DIN EN 60811-404), bio-oil-resistant (following VDMA 24568 with Plantocut 8 S-MB tested by DEA), Class 4 Free from silicone which can affect paint adhesion (following PV 3.10.7 - status

Certificate No. B129699: "igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year' See data sheet for details > www.igus.eu/CF29D

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

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 According to VDW, DESINA standardisation

In accordance with the valid regulations of the United Kingdom (as at 08/2021)



CF29.D

TPE

6.8 x d

36 ppppp up to 50 months guarantee targararaaaaaaaa