WORX 75 ON

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

Coax elements | chainflex® CFCLEAN2







- For heaviest duty applications in e-skin® flat
- PTFE foil wrap
- Shielded
- Highly abrasion-resistant
- PVC-free

Dynamic information

n® flat linear minimum 70mm

(further radii in preparation, please see data sheet)

fixed

minimum 3 x d

e-skin® linear

-10°C up to +80°C

Temperature fixed

-25°C up to +90°C (following DIN EN 50305)

__ v max.

unsupported

a max.

40m/s²

Travel distance

Short, very fast applications with small radii and restricted installation space in

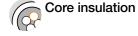
an e-skin® flat

Cable structure



Very finely stranded special conductors with especially soft and bending

resistant design, made of bare copper wires. Mechanically high-quality PTFE mixture.





Core structure Cores wound in a layer with especially short pitch length.



Core identification White core with black imprint ▶ Product range table



Element shield Extremely bending-resistant braiding made of tinned copper wires.

Coverage linear approx. 70%, optical approx. 90%



Low-adhesion, extremely abrasion-resistant and highly flexible PTFE wrap,

adapted to suit the requirements in e-skin® flat.

Colour: White

Electrical information

300/300V Nominal voltage

2,000V Testing voltage

Properties and approvals

Free from silicone which can affect paint adhesion (following PV 3.10.7 – status Silicone-free

Certificate No. B129699: "igus 36-month chainflex cable guarantee and service life calculator based on 2 billion test cycles per year"

REACH REACH

UL verified

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



Air Purity Class 1, material/stranded structure tested by IPA according to

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

ISO 14644-14, test report IG 2107-1242

Following 2014/35/EU

UK UKCA

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

Typical application areas

- For heaviest duty applications and especially small radii in cleanroom with e-skin® flat
- Especially for short, very fast applications with small radii and restricted installation space
- Indoor applications with e-skin[®] flat
- Semi-conductor/OLED manufacturing, medical cleanroom



chainflex® CFCLEAN are not cables in the sense of the normal standards for cables. Due to the absence of the outer jacket in CFCLEAN, which provides mechanical protection for cables, the use of chainflex® CFCLEAN is only permitted inside e-skin® flat.

Part No.	Number of cores and conductor nominal cross section [mm²]	Outer diameter (d) max. [mm]	Copper index [kg/km]	Weight [kg/km]	
CFCLEAN2.KOAX1.03	3xHF75-0.3/1.6	6.5	23	57	

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

Part No.	Characteristic wave impedance approx. $[\Omega]$	Core identification
CFCLEAN2.KOAX1.03	75	Coax 750hm -1-, Coax 750hm -2-, Coax 750hm -3-

Guarantee

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chainflex® CFCLEAN2

snbi