

CF140.UL
PVC
7.5-15xd



Fine-wire stranded conductor



Braiding in bundles around high-tensile center cord



Gusset-filled extruded



Bending-resistant braided copper shield



Pressure extruded

Class 4.2.1



58



PVC Control cable Chainflex® CF140.UL

- for medium load requirements
- PVC outer jacket
- shielded
- flame-retardant



Temperature range moved

-5 °C to +70 °C, minimum bending radius 7.5 x d with < 10 m travel; minimum bending radius 15 x d with ≥ 10 m travel



Temperature range fixed

-20 °C to +70 °C, minimum bending radius 7.5 x d



v max. unsupported/gliding

3 m/s, 2 m/s



a max.

20 m/s²



Travel distance

Freely suspended travel distances and for gliding applications up to 50 m, Class 2



Nominal voltage

Number of cores < 12: 300/500 V
Number of cores ≥ 12: 300/300 V (following DIN VDE 0245)



Testing voltage

2000 V (following DIN VDE 0281-2).



Flame-retardant

According to IEC 332-1, CEI 20-35, FT1.



Silicon-free

Free from silicon which can affect paint adhesion (following PV 3.10.7 – status 1992).



Conductor

Fine-wire stranded conductor consisting of bare copper wires (following EN 60228).



Core insulation

Mechanically high-quality TPE mixture.



Core stranding

Number of cores < 12: cores stranded in a layer with short pitch length.

Number of cores ≥ 12: cores combined in bundles and stranded together around a centre for high tensile stresses with adapted, short pitch lengths and pitch directions, especially low-torsion structure.



Core identification

Cores < 0.5 mm²: colour code in accordance with DIN 47100
Cores ≥ 0.5 mm²: cores black with white numerals, one core green/yellow.



Inner jacket

PVC mixture adapted to suit the requirements in Energy Chains®.



Overall shield

Bending-resistant, tinned braided copper shield.
Coverage approx. 55% linear, approx. 80% optical.

IGUS CHAINFLEX® CF140.UL

Class 4.2.1

Price index



igus®

CF140.UL
PVC
7.5-15xd



Outer jacket

Low-adhesion mixture on the basis of PVC, adapted to suit the requirements in Energy Chains® (following DIN VDE 0282 Part 10).
Colour: gray (similar to RAL 7001)



UL/CSA

Style 10493 and 20200, 300 V, 60 °C



CEI

Following CEI 20-35



CE

Following 2006/95/EG



Lead free

Following EU guideline (RoHS) 2002/95/EC

Typical application area

- for medium load requirements
- without influence of oil
- preferably indoor applications
- especially for freely suspended travel distances and for gliding applications up to 50 m
- wood/stone processing, packaging industry, supply system, handling, adjusting equipment

Control cable

Tel. +49-2203-96 49-0
Fax +49-2203-96 49-222

