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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

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.

Class 4.2.1

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Class 4.2.1

Price index



igus®

	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
RoHS	**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 50 m
- wood/stone processing, packaging industry, supply system, handling, adjusting equipment

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