

CF170-D

CLASS
4.1.3

Price Index



PUR Control Cable

Chainflex® CF170-D*

PUR-Energy Chain® cable, oil & coolant resistant, PVC-free, halogen-free, low temperature flexible

Conductor

Fine wire stranded conductor

Strain relief

Center core for high tensile strength

Core

Cabled in layers with extremely short pitch

Outer jacket

gusset filled pressure extruded

Construction

Conductors: Finely stranded bare copper wires. According to EN 60228.

Conductor insulation: Mechanically high-quality, TPE-insulating compound.

Conductor twisting: Conductors concentrically layered with short pitch. Not recommended for long travel/gliding applications.

Conductor colors: Conductors black with white numbers, one green-yellow.

Outer jacket: PUR-based, low-adhesion blend, adapted to the requirements of the Energy Chain®. Silicon-free in compliance with PV 3.10.7 - status 1992. **Color:** grey (RAL 7040).

Technical Data

Minimum bending radius, moving: <10m travel = 7.5 x outer diameter; ≥10m travel = 10 x outer diameter

Minimum bending radius, fixed: 5 x out cable diameter

Permissible temperature, moving: -31°F to +176°F (-35°C to +80°C)

Permissible temperature, fixed: -40°F to +176°F (-40°C to +80°C)

Oil-resistance: High

UV-resistant: Medium

Voltage: 300V

Testing voltage: 2000 V (according to DIN VDE 0281-2)

Regulations: DESINA,

CE: 2006/95/EG

RoHS: Complies to 2011/65/EU (RoHS-II)

Typical Applications

- for medium mechanical load requirements
- indoor and outdoor applications without direct sun radiation
- especially for unsupported travel distances
- machining units/machine tools, low temperature applications



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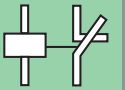
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Part No.	AWG	No. of Conductors and Rated Cross- Section in mm²	Outer Diameter (approx)		Copper Index		Weight	
			in.	(mm)	lbs/mft	(kg/km)	lbs/mft	(kg/km)
*CF170-05-18-D	20	18 x 0.5	.45	(11.5)	58.5	(86)	122.4	(180)
*CF170-07-12-D	18	12 x 0.75	.41	(10.5)	58.4	(86)	108.8	(160)
*CF170-07-18-D	18	18 x 0.75	.49	(12.5)	88.4	(130)	156.4	(230)
*CF170-07-20-D	18	20 x 0.75	.53	(13.5)	97.9	(144)	195.8	(288)
*CF170-10-03-D	17	3 x 1	.28	(7)	19.7	(29)	37.4	(55)
*CF170-10-25-D	17	25 x 1	.63	(16)	163.2	(240)	265.2	(390)
*CF170-15-04-D	16	4 x 1.5	.31	(8)	39.4	(58)	61.2	(90)
*CF170-15-18-D	16	18 x 1.5	.59	(15.0)	176.1	(259)	265.2	(390)
*CF170-15-25-D	16	25 x 1.5	.75	(19)	244.8	(360)	367.2	(540)
*CF170-25-07-D	14	7 x 2.5	.51	(13.0)	114.2	(168)	190.4	(280)
*CF170-40-04-D	12	4 x 4	.47	(12)	104.7	(154)	149.6	(220)

NOTE: The mentioned external diameters are maximum values.

*Call for availability

Internet: www.igus.com
email: sales@igus.com
RFQ: www.chainflex.com/rfq



No Minimum Order • No Cut Charges on up to 10 cuts of the same part number