


CF78.UL
PUR
6.8-7.5xd


Fine-wire stranded conductor


Braiding in bundles around high-tensile center cord





















Gusset-filled extruded


Biegeester Geflecht-Kupferschirm


Mit Druck extrudiert

PUR Control cable Chainflex® CF78.UL

- for high load requirements
- PUR outer jacket
- oil-resistant and coolant-resistant
- flame-retardant
- notch-resistant
- PVC-free/halogen-free

	Temperature range moved	-35 °C to +80 °C, minimum bending radius 6.8 x d with < 10 m travel distance, minimum bending radius 7.5 x d with ≥ 10 m travel distance
	Temperature range fixed	-40 °C to +80 °C, minimum bending radius 4 x d
	v max.	10 m/s, 5 m/s
	a max.	80 m/s ²
	Travel distance	Freely suspended and gliding travel distances up to 100 m, Class 2
	UV-resistant	Medium
	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).
	Oil	Oil-resistant (following DIN EN 60811-2-1, DIN EN 50363-10-2), Class 3
	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).
	Halogen-free	Following EN 50267-2-1
	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	PUR mixture adapted to suit the requirements in Energy Chains®.
	Overall shield	Bending-resistant, tinned braided copper shield. Coverage approx. 55% linear, approx. 80% optical.
	Outer jacket	Low-adhesion, highly abrasion-resistant mixture on the basis of PUR, adapted to suit the requirements in Energy Chains® (following DIN VDE 0282 Part 10). Colour: gray (similar to RAL 7040)

Class 5.2.3



... no minimum order quantity
eplan download, configurator, PDF catalogues, lifetime ...

Class 5.2.3

Price index


CF78.UL
 PUR
 6.8-7.5xd

	UL/CSA	Style 10493 and 20233, 300 V, 80 °C
	CEI	Following CEI 20-35
	CE	Following 2006/95/EG
	Lead free	Following EU guideline (RoHS) 2002/95/EC

Typical application area

- for high load requirements
- almost unlimited resistance to oil
- indoor and outdoor applications with average sun radiation
- especially for freely suspended and gliding travel distances up to 100 m
- Machining units/machine tools, storage and retrieval units for high-bay warehouses, packaging industry, quick handling, refrigerating sector

Delivery program Part No.	Number of cores and conductor nominal cross section [mm ²]	External diameter approx. [mm]	Copper index [kg/km]	Weight [kg/km]
CF78.UL.05.04	(4 G 0,5)C	8,0	32	77
CF78.UL.05.05 ⁽¹⁾	(5 G 0,5)C	8,5	38	88
CF78.UL.05.07 ⁽¹⁾	(7 G 0,5)C	9,5	56	117
CF78.UL.05.09	(9 G 0,5)C	10,5	68	144
CF78.UL.05.12 ⁽¹⁾	(12 G 0,5)C	12,5	88	198
CF78.UL.05.18	(18 G 0,5)C	14,0	125	268
CF78.UL.05.24 ⁽¹⁾	(24 G 0,5)C	15,5	160	334
CF78.UL.07.03	(3 G 0,75)C	8,0	35	82
CF78.UL.07.05	(5 G 0,75)C	9,5	57	119
CF78.UL.07.07 ⁽¹⁾	(7 G 0,75)C	10,5	77	153
CF78.UL.07.12	(12 G 0,75)C	13,5	125	252
CF78.UL.07.18 ⁽¹⁾	(18 G 0,75)C	15,5	175	337
CF78.UL.10.03	(3 G 1,0)C	8,5	48	101
CF78.UL.10.05	(5 G 1,0)C	9,5	71	137
CF78.UL.10.07	(7 G 1,0)C	11,0	94	179
CF78.UL.10.12	(12 G 1,0)C	14,1	155	299
CF78.UL.10.18 ⁽¹⁾	(18 G 1,0)C	17,0	220	412
CF78.UL.10.25	(25 G 1,0)C	19,5	315	535
CF78.UL.15.03	(3 G 1,5)C	9,5	65	126
CF78.UL.15.04	(4 G 1,5)C	10,0	80	145
CF78.UL.15.05	(5 G 1,5)C	10,5	98	172
CF78.UL.15.07	(7 G 1,5)C	12,5	131	225
CF78.UL.15.12	(12 G 1,5)C	15,5	215	370
CF78.UL.25.04	(4 G 2,5)C	11,5	123	205
CF78.UL.25.05 ⁽¹⁾	(5 G 2,5)C	12,5	150	245
CF78.UL.25.07	(7 G 2,5)C	14,5	207	330
CF78.UL.40.04 ⁽¹⁾	(4 G 4,0)C	15,0	189	322

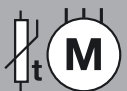
⁽¹⁾ Delivery time upon inquiry

Note: The mentioned external diameters are maximum values and may tend toward lower tolerance limits.

G = with earthed conductor green-yellow x = without earthed conductor

New

Control cable

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


850 types from stock no cutting costs ...

... and order online ► www.igus.eu/en/CF78 (for up to 10 cuts of the same type)