

CF211
PVC
10 x d

PVC Data cable

Chainflex® CF211

- for high load requirements
- PVC outer jacket
- shielded
- oil-resistant
- flame-retardant



Center element
for high tensile
stresses



Fine-wire special
conductor





















2 cores each
stranded with
short pitch



Highly flexible
braided copper
shield



Pressure extruded

	Temperature range moved	-5 °C to +70 °C, minimum bending radius 10 x d
	Temperature range fixed	-20 °C to +70 °C, minimum bending radius 5 x d
	v max. unsupported/gliding	5 m/s, 3 m/s
	a max.	50 m/s ²
	Nominal voltage	300/300 V (following DIN VDE 0245).
	Testing voltage	1500 V
	Oil	Oil-resistant (following DIN EN 60811-2-1, DIN EN 50363-4-1)
	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	Very finely stranded special cores of particularly high-flex design made of bare copper wires.
	Core insulation	Mechanically high-quality PVC mixture (following DIN VDE 0207 Part 4).
	Core stranding	2 cores each stranded in pairs with short pitch lengths, core pairs also stranded with short pitch lengths.
	Core identification	Colour code in accordance with DIN 47100.
	Intermediate sheath	Foil taping over the external layer.
	Overall shield	Extremely bending-resistant, tinned braided copper shield. Coverage approx. 70% linear, approx. 90% optical.
	Outer jacket	Low-adhesion, oil-resistant 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	< 0.5 mm ² : Style 10467 and 2464, 300 V, 80°C ≥ 0.5 mm ² : Style 1729 and 2464, 300 V, 80 °C
	CEI	Following CEI 20-35

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

Economy Line





CE

Following 2006/95/EG



Lead free

Following EU guideline (RoHS) 2002/95/EC



Clean room

According to ISO Class 2. Outer jacket material complies with CF5.10.07, tested by IPA according to standard 14644-1

Data cable

Typical application area

- for high load requirements
- light oil influence
- preferably indoor applications, but also outdoor ones at temperatures > 5 °C
- especially for freely suspended and gliding travel distances up to 100 m
- storage and retrieval units for high-bay warehouses, machining units/packaging machines, handling, indoor cranes

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]
CF211.02.01.02	(1 x (2 x 0.25))C	5.0	16	35
CF211.02.02.02*	(2 x (2 x 0.25))C	5.5	28	60
CF211.02.03.02	(3 x (2 x 0.25))C	7.0	37	73
CF211.02.04.02	(4 x (2 x 0.25))C	8.0	44	85
CF211.02.05.02	(5 x (2 x 0.25))C	8.5	51	97
CF211.02.06.02	(6 x (2 x 0.25))C	9.5	58	110
CF211.02.08.02	(8 x (2 x 0.25))C	11.5	75	160
CF211.02.10.02	(10 x (2 x 0.25))C	13.0	93	195
CF211.02.14.02	(14 x (2 x 0.25))C	13.5	109	205
CF211.03.03.02	(3 x (2 x 0.34))C	8.0	37	79
CF211.03.08.02	(8 x (2 x 0.34))C	12.0	98	202
CF211.03.10.02**	(10 x (2 x 0.34))C	12.0	118	254
CF211.05.01.02	(1 x (2 x 0.5))C	5.5	23	50
CF211.05.02.02*	(2 x (2 x 0.5))C	8.5	44	80
CF211.05.03.02	(3 x (2 x 0.5))C	9.0	57	100
CF211.05.04.02	(4 x (2 x 0.5))C	9.5	68	120
CF211.05.05.02	(5 x (2 x 0.5))C	11.0	80	145
CF211.05.06.02	(6 x (2 x 0.5))C	12.5	99	185
CF211.05.08.02	(8 x (2 x 0.5))C	14.0	124	230
CF211.05.10.02	(10 x (2 x 0.5))C	16.0	175	320
CF211.05.14.02	(14 x (2 x 0.5))C	17.0	187	335

** Delivery time upon inquiry

The Chainflex® types marked with * are cables designed as a star-quad.

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

Delivery program Measuring system cable

- ▶ Page 130, CF211 (PVC-Economy Line)
- ▶ Page 138, CF111.D (TPE-Economy Line)
- ▶ Page 142, CF11.D (TPE-Premium Line)

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(for up to 10 cuts of the same type)

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