

Data Cables

Chainflex® CF211

PVC Energy Chain® cable, encoder cable, shielded, twisted pair, oil-proof, flame-retardant



CF211



ECONOMY

Construction

Conductors: Finely stranded bare copper conductor.

Conductor insulation: Mechanically tough PVC

Conductor twisting: Two conductors, each braided in a short pitch, conductor pairs are then braided in short pitch around a polymer core.

Conductor colors: Color code 47100

Shield: High flexural strength copper shield, coverage approx. 90% optical.

Outer jacket: PVC-based, low-adhesion blend, adapted to the requirements of the Energy Chain®, oil-resistant in accordance with VDE. Color: grey (RAL 7001)

Technical Data

Minimum bending radius for flexible use: 10 x outer cable diameter

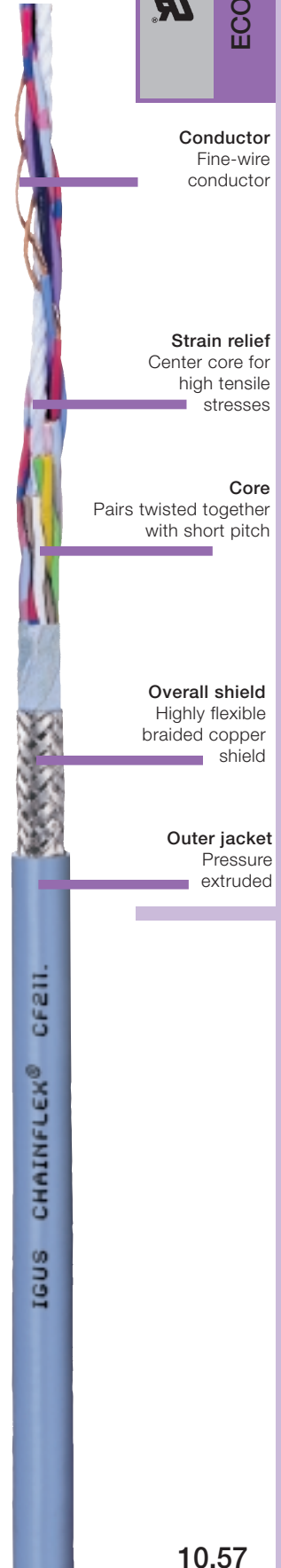
Permissible temperature range for continuous flexing: +23°F to +158°F (-5°C to +70°C)

UL/CSA voltage: 300V

Regulations: UL AWM 2464 80°C 300V, CSA AWM I/II A/B 80°C 300V FT1 oil resistant, CE, VDE, RoHS:

2002/95/EC; See page 10.23 of the Design section for more information.

Part No.	AWG	No. of Conductors and Rated Cross-	Outer Diameter (approx)	Copper Index	Weight
CF211-02-01-02	24	1 x 2 x 0.25	.20 (5)	10.9 (16)	23.8 (35)
CF211-02-02-02	24	2 x 2 x 0.25	.28 (7)	19.0 (28)	40.8 (60)
CF211-02-03-02	24	3 x 2 x 0.25	.30 (7.5)	25.2 (37)	49.6 (73)
CF211-02-04-02	24	4 x 2 x 0.25	.31 (8)	29.9 (44)	57.8 (85)
CF211-02-05-02	24	5 x 2 x 0.25	.33 (8.5)	34.7 (51)	66.0 (97)
CF211-02-06-02	24	6 x 2 x 0.25	.37 (9.5)	39.4 (58)	74.8 (110)
CF211-02-08-02	24	8 x 2 x 0.25	.45 (11.5)	51.0 (75)	108.8 (160)
CF211-02-10-02	24	10 x 2 x 0.25	.51 (13)	63.2 (93)	132.6 (195)
CF211-02-14-02	24	14 x 2 x 0.25	.53 (13.5)	74.1 (109)	139.4 (205)
CF211-03-03-02	22	3 x 2 x 0.34	.31 (8)	25.2 (37)	53.7 (79)
CF211-05-01-02	20	1 x 2 x 0.5	.22 (5.5)	15.6 (23)	34.0 (50)
CF211-05-02-02	20	2 x 2 x 0.5	.31 (8)	29.9 (44)	54.4 (80)
CF211-05-03-02	20	3 x 2 x 0.5	.35 (9)	38.8 (57)	68.0 (100)
CF211-05-04-02	20	4 x 2 x 0.5	.37 (9.5)	46.2 (68)	81.6 (120)
CF211-05-05-02	20	5 x 2 x 0.5	.43 (11)	54.4 (80)	98.6 (145)
CF211-05-06-02	20	6 x 2 x 0.5	.49 (12.5)	67.3 (99)	125.8 (185)
CF211-05-08-02	20	8 x 2 x 0.5	.55 (14)	84.3 (124)	156.4 (230)
CF211-05-10-02	20	10 x 2 x 0.5	.63 (16)	119.0 (175)	217.6 (320)
CF211-05-14-02	20	14 x 2 x 0.5	.67 (17)	127.1 (187)	227.8 (335)



NOTE: The mentioned external diameters are maximum values.