

ELECTROAIR®

EN 2266-003 CF Line Unshielded (CF, PF, QF, RF)



- 1 • Nickel plated copper or nickel plated copper alloy core
 - 2 • Polyimide tape
 - 3 • Fluoropolymer top coat
- Available twisted conductors: by pair, triple or quad

Standards and approvals

Construction:

- EN 2266-003
- EN 2266-002
 - EN 2083

Performances:

- EN 3475
- FAR 25

Marking (ink-jet printable)

1. On customer specification
2. Inspired of EN 2084:
"TR6058 code Gauge Country
CGP NATO Code Manufacturing Year"

Colour code

- Single core – CF: Red, Blue, Yellow, Green, White, Black, Orange
 - Two cores – PF: Blue / Red
- Three cores – QF: Blue / Red / Yellow
- Four cores – RF: Blue / Red / Yellow / Green

For any other request: please contact us

Options

Other cross-sections or constructions on request

Applications

General-purpose airframe wires and cables used throughout the aircraft (retro-fit): on the flight deck, in the passenger area, in the wings and surfaces

CGP Reference

EN 2266-003 CF Line:

- EN 2266-003A (single core) = CF CF
- EN 2266-003B (two cores) = CF PF
- EN 2266-003C (three cores) = CF QF
- EN 2266-003D (four cores) = CF RF

Characteristics

• Thermal

Continuous operating temperature: **-55°C to +200°C**

• Electrical

Operating voltage: 600 V RMS

• Mechanical

Cut-through resistance: ★★★★★☆
Resistance to abrasion: ★★★★★☆
EN 3475

• Chemical

Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
Resistance to aircraft fluids: ★★★★★
EN 3475

• Fire-smoke

Flame retardant
Low smoke density
EN 3475 / FAR 25

CF CF 1X

AWG	Stranding (n x mm)	Code EN of nominal section	Cross section (mm ²)	Cable outer diameter (mm)		Maximum linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
				Mini	Maxi		
26	19 x 0.10	001	0.15	0.75	0.84	2.00	160.0
24	19 x 0.12	002	0.25	0.85	0.94	2.65	114.0
22	19 x 0.15	004	0.40	0.96	1.09	3.90	60.0
20	19 x 0.20	006	0.60	1.20	1.34	6.55	33.2
18	19 x 0.25	010	1.00	1.44	1.59	9.90	21.1
16	19 x 0.30	012	1.20	1.65	1.84	13.90	14.5
14	37 x 0.25	020	2.00	1.90	2.10	18.50	10.9
12	37 x 0.32	030	3.00	2.38	2.60	29.70	6.8

CF PF 2X

CF QF 3X

CF RF 4X

AWG	CF PF 2X		CF QF 3X		CF RF 4X		Maximum linear resistance at 20°C (Ω / km)
	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)	
26	1.68	4.12	1.81	6.18	2.02	8.24	165.0
24	1.88	5.46	2.02	8.19	2.26	10.92	117.4
22	2.18	8.03	2.34	12.05	2.62	16.07	61.7
20	2.68	13.49	2.88	20.24	3.22	26.99	34.1
18	3.18	20.39	3.42	30.59	3.82	40.79	21.7
16	3.68	28.63	3.96	42.95	4.42	57.27	14.9
14	4.20	38.11	4.52	57.17	5.04	76.22	11.2
12	5.20	61.18	5.59	91.77	6.24	122.36	7.0

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For an optimum use of the cables produced by our company, we recommend testing in real conditions. Our sales department is available for a possible provision of samples, and/or for the conditions of a complete study in our laboratories.

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