

ELECTROAIR®

EN 2713-007 CF Line Shielded & Jacketed (SJU, TKU, UDU, VLU)



- 1 • One to four wires according to EN 2266-003A
- 2 • Nickel plated copper spiral shield
- 3 • Polyimide tape
- 4 • Fluoropolymer top coat

Standards and approvals

Construction:

- EN 2713-007
- EN 2713-002
 - EN 2083

Performances:

- EN 3475
- FAR 25

Marking (UV laser printable)

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

Colour code

Jacket: White colour except for AWG 24 / 20 / 16 in Light Blue

- Single core – SJU: White except for AWG 22 in Light Green & AWG 26 in Light Yellow
- Two cores – TKU: Red / Blue
- Three cores – UDU: Red / Blue / Yellow
- Four cores – VLU: Red / Blue / 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 2713-007 CF Line:

- EN 2713-007A (single core) = CF SJU
- EN 2713-007B (two cores) = CF TKU
- EN 2713-007C (three cores) = CF UDU
- EN 2713-007D (four cores) = CF VLU

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

CFSJU 1X

AWG	Stranding (n x mm)	Code EN of nominal section	Cross section (mm ²)	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
26	19 x 0.10	001	0.15	1.31	4.60	160.0
24	19 x 0.12	002	0.25	1.40	5.60	114.0
22	19 x 0.15	004	0.40	1.56	7.20	60.0
20	19 x 0.20	006	0.60	1.82	10.50	33.2
18	19 x 0.25	010	1.00	2.07	14.40	21.1
16	19 x 0.30	012	1.20	2.38	20.00	14.5
14	37 x 0.25	020	2.00	2.62	25.40	10.9
12	37 x 0.32	030	3.00	3.17	38.50	6.8

CF TKU 2X

AWG	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)
26	2.15	8.00
24	2.34	10.00
22	2.65	13.10
20	3.20	20.60
18	3.73	28.50
16	4.25	39.50
14	4.83	50.50
12	5.88	79.40

CF UDU 3X

AWG	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)
26	2.28	10.80
24	2.52	14.20
22	2.88	19.00
20	3.48	29.50
18	4.04	41.80
16	4.59	56.10
14	5.15	75.10
12	6.35	119.80

CF VLU 4X

AWG	Cable outer diameter (mm) Maxi	Maximum linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
26	2.53	14.20	165.0
24	2.76	17.70	117.4
22	3.13	24.00	61.7
20	3.78	38.10	34.1
18	4.48	53.40	21.7
16	5.13	75.00	14.9
14	5.84	102.00	11.2
12	-	-	7.0