

ELECTROAIR®

AGF 57, 69, 81, 93 Shielded & Jacketed Extra flexible core



- 1 • One to four wires AGF 05
- 2 • Silver plated copper braid
- 3 • Fluorinated polymer FEP

Standards and approvals

Construction:

- Inspired of NF C 93-523

Performances:

- NF C 93-523
- IEC 60332-1
- C2 NF C 32-070
 - FAR 25
 - ABD0031
 - EN 3475

Colour code

- AGF 57: White jacket and White core
 - AGF 69: White jacket and Blue / White cores
 - AGF 81: White jacket and Blue / White / Orange cores
 - AGF 93: White jacket and Blue / White / Orange / Black cores
- For any other request: please contact us

Applications

Electrical lightweight cables used in electronic equipments for aircraft, missile systems or aeronautical test benches

Our range AGF is an alternative to KZ NF C 93-523 in an "extra flexible core" version (similar performances with a FEP insulation instead of PTFE and more flexible)

- AGF 57 (single core)**
- AGF 69 (two cores)**
- AGF 81 (three cores)**
- AGF 93 (four cores)**

Characteristics

• Thermal

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

• Electrical

Operating voltage: 600 V RMS

• Mechanical

Resistance to abrasion: ★★★★★
EN 3475

• Chemical

Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
Resistance to aircraft fluids: ★★★★★
NF C 93-523

• Fire-smoke

Flame retardant
IEC 60332-1 / C2 NF C 32-070 / FAR 25
Low smoke density
ABD0031

• Arc tracking resistance

EN 3475
(tested on wire AGZ05)

• Electromagnetic protection

Very good covering (shielding) > 85%

WIRE (AGF 05)

AWG	Cross Section (mm ²)	Stranding (n x mm)	Wire outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
28	0.09	19 x 0.08	1.00	2.6	196.3
26	0.14	19 x 0.10	1.10	3.4	122.4
24	0.24	19 x 0.13	1.22	4.5	77.4
22	0.38	19 x 0.16	1.37	6.2	48.6
20	0.60	19 x 0.20	1.62	9.5	31.3
18	0.93	19 x 0.25	1.92	14.1	20.5
16	1.34	19 x 0.30	2.27	20.0	13.9
14	1.91	19 x 0.36	2.66	27.0	10.0
12	2.98	37 x 0.32	3.24	42.5	6.0

AWG	AGF 57		AGF 69		AGF 81		AGF 93	
	1X		2X		3X		4X	
	Cable outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Cable outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Cable outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Cable outer diameter (mm) Maxi	Approx. linear weight (kg / km)
28	2.13	8.4	3.03	13.7	3.32	19.9	3.50	22.9
26	2.23	9.6	3.38	18.1	3.53	23.4	3.70	25.0
24	2.36	11.3	3.64	21.5	3.81	28.2	4.10	29.5
22	2.50	13.6	3.92	26.2	4.11	34.8	4.25	40.0
20	2.90	20.0	4.42	35.1	4.65	47.6	4.80	52.5
18	3.18	26.1	5.08	46.9	5.53	67.5	5.70	76.0
16	3.53	33.5	5.86	64.4	6.18	89.1	6.30	95.0
14	3.91	42.6	6.62	82.4	7.00	115.0	7.20	131.0
12	4.49	61.1	7.78	120.0	8.24	169.0	8.40	188.0

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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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