

ELECTROAIR®

AGZ 57, 69, 81, 93 Shielded & Jacketed

- 1 • One to four wires AGZ 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

- AGZ 57: White jacket and White core
 - AGZ 69: White jacket and Blue / White cores
 - AGZ 81: White jacket and Blue / White / Orange cores
 - AGZ 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 AGZ is an alternative to KZ NF C 93-523 (similar performances with a FEP insulation instead of PTFE)



AGZ 57 (single core)

AGZ 69 (two cores)

AGZ 81 (three cores)

AGZ 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 (AGZ 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)
32	0.03	7 x 0.08	0.84	1.7	546.0
30	0.06	7 x 0.10	0.91	2.1	349.0
28	0.09	7 x 0.13	1.00	2.6	201.0
26	0.14	7 x 0.16	1.10	3.4	132.0
24	0.22	7 x 0.20	1.22	4.5	86.0
22	0.34	7 x 0.25	1.37	6.2	54.4
20	0.60	7 x 0.32	1.62	9.5	31.3
18	0.93	7 x 0.40	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	3.09	19 x 0.45	3.24	42.5	6.0

AGZ 57

AGZ 69

AGZ 81

AGZ 93

1X

2X

3X

4X

AWG	AGZ 57		AGZ 69		AGZ 81		AGZ 93	
	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)
32	1.97	6.7	2.71	10.6	2.82	13.4	2.90	15.5
30	2.04	7.5	2.85	12.0	3.12	17.4	3.20	16.7
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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