

Two to four assembling wires AGZ 04

ELECTROAIR®

M-AGZ 04

Unshielded & Assembling (2x to 4x)



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

- Two cores: Blue / White cores
- Three cores: White / Blue / Orange cores
- Four cores: White / Blue / 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)

Characteristics

• Thermal

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

• Electrical

Operating voltage: 250 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)

WIRE (AGZ 04)

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	7 x 0.13	0.73	1.8	201.0
26	0.14	7 x 0.16	0.84	2.4	132.0
24	0.22	7 x 0.20	0.96	3.4	86.0
22	0.34	7 x 0.25	1.11	5.0	54.4
20	0.60	7 x 0.32	1.40	8.3	31.3

M-AGZ 04

AWG	2X		3X		4X		Maximum linear resistance at 20°C (Ω / 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	1.46	2.6	1.57	5.4	1.75	7.2	211.0
26	1.68	4.8	1.81	7.2	2.02	9.6	138.0
24	1.92	6.8	2.06	10.2	2.31	13.6	90.0
22	2.22	10.0	2.39	15.0	2.67	20.0	57.0
20	2.80	16.6	3.01	24.9	3.37	33.2	33.0

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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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