

Two to four assembling wires AGZ 06

# ELECTROAIR®

## M-AGZ 06 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: 1,000 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 06)

AWG	Cross Section (mm <sup>2</sup> )	Stranding (n x mm)	Wire outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
26	0.14	7 x 0.16	1.34	4.6	132.0
24	0.22	7 x 0.20	1.47	5.8	86.0
22	0.34	7 x 0.25	1.63	7.7	54.4
20	0.60	7 x 0.32	1.86	11.0	31.3
18	0.93	7 x 0.40	2.17	16.0	20.5
16	1.34	19 x 0.30	2.41	21.1	13.9
14	1.91	19 x 0.36	2.92	30.0	10.0

### M-AGZ 06

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)	
26	2.68	9.2	2.88	13.8	3.23	18.4	138.0
24	2.94	11.6	3.16	17.4	3.54	23.2	90.0
22	3.26	15.4	3.50	23.1	3.92	30.8	57.0
20	3.72	22.0	4.00	33.0	4.48	44.0	33.0
18	4.34	32.0	4.66	48.0	5.23	64.0	21.5
16	4.82	42.2	5.18	63.3	5.81	84.4	14.6
14	5.84	20.0	6.27	30.0	7.03	40.0	10.5

CGP SAS  
62 route du Coin  
42400 Saint-Chamond  
FRANCE  
Phone: **+33 (0)4 77 31 02 54**  
www.omerin.com



[www.omerin.com](http://www.omerin.com)

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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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