

- 1 • One to three wires AGZ 04
- 2 • Silver plated copper braid
- 3 • Fluorinated polymer FEP

ELECTROAIR®

AGZ 55, 67, 79 Shielded & Jacketed



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 55: White jacket and White core
 - AGZ 67: White jacket and Blue / White cores
 - AGZ 79: White jacket and Blue / White / Orange 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 55 (single core)**
- AGZ 67 (two cores)**
- AGZ 79 (three cores)**

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)

• Electromagnetic protection

Very good covering (shielding) > 85%

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)
32	0.03	7 x 0.08	0.58	0.9	546.0
30	0.06	7 x 0.10	0.66	1.3	349.0
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

AGZ 55

AGZ 67

AGZ 79

1X

2X

3X

AWG	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	-	-	2.36	8.0	2.44	9.8
30	-	-	2.52	9.3	2.61	11.7
28	-	-	2.62	10.8	2.76	13.7
26	2.05	8.1	2.88	13.0	3.15	18.7
24	2.17	9.7	3.27	17.9	3.40	23.1
22	2.32	11.9	3.57	22.5	3.73	29.6
20	2.60	16.5	4.15	31.7	4.35	42.7

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



www.omerin.com

The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company CGP SAS shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force. 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.
© Registered trademark of the CGP SAS. Drawings and photos are not contractual. Reproduction is prohibited without the prior agreement of CGP SAS.