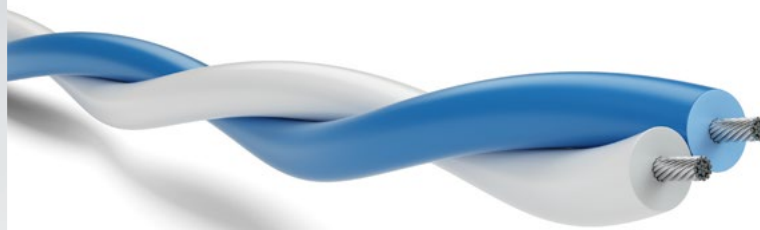


Two to four assembling wires AGZ 05

ELECTROAIR®

M-AGZ 05 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: 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)

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)
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

M-AGZ 05

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	2.00	5.2	2.15	7.8	2.41	10.4	211.0
26	2.20	6.8	2.36	10.2	2.65	13.6	138.0
24	2.44	9.0	2.62	13.5	2.94	18.0	90.0
22	2.74	12.4	2.94	18.6	3.30	24.8	57.0
20	3.24	19.0	3.48	28.5	3.90	38.0	33.0
18	3.84	28.2	4.12	42.3	4.62	56.4	21.5
16	4.54	40.0	4.88	60.0	5.47	80.0	14.6
14	5.32	54.0	5.71	81.0	6.41	108.0	10.5
12	6.48	85.0	6.96	127.5	7.81	170.0	6.3

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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.

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