

ELECTROAIR®

AGF 05

Unshielded & Extra flexible core

- 1 • Silver plated copper core (extra flexible)
 - 2 • Fluorinated polymer FEP
- Assembling version by pair / triple / quad

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

Red, Blue, Yellow, Green, White, Black,
Brown, Orange, Purple, Grey
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 AGF is an alternative
to KZ NF C 93-523 in
an "extra flexible core" version
(similar performances with a FEP insula-
tion instead of PTFE and more flexible)



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)

AGF 05

AWG	Cross Section (mm ²)	Stranding (n x mm)	Cable outer diameter (mm) Maxi	Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
32	0.03	19 x 0.05	0.84	1.7	515.0
30	0.06	19 x 0.06	0.91	2.1	323.5
28	0.09	19 x 0.08	1.00	2.6	196.3
26	0.14	19 x 0.10	1.10	3.4	122.4
24	0.24	19 x 0.13	1.22	4.5	77.4
22	0.38	19 x 0.16	1.37	6.2	48.6
20	0.60	19 x 0.20	1.62	9.5	31.3
18	0.93	19 x 0.25	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	2.98	37 x 0.32	3.24	42.5	6.0
10	4.77	37 x 0.40	3.60	50.3	3.9
8	8.60	133 x 0.29	5.50	96.5	2.2

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.