

ELECTROAIR®

M-AGF 05 Unshielded & Assembling (2x to 4x) Extra flexible core

- 1 • Silver plated copper core (extra flexible)
- 2 • Fluorinated polymer FEP
Assembling 2 cores to 4 cores

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 AGF is an alternative to KZ NF C 93-523 in an "extra flexible core" version (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 (AGF 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	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

M-AGF 05

AWG	2X		3X		4X	
	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
26	2.20	6.8	2.36	10.2	2.65	13.6
24	2.44	9.0	2.62	13.5	2.94	18.0
22	2.74	12.4	2.94	18.6	3.30	24.8
20	3.24	19.0	3.48	28.5	3.90	38.0
18	3.84	28.2	4.12	42.3	4.62	56.4
16	4.54	40.0	4.88	60.0	5.47	80.0
14	5.32	54.0	5.71	81.0	6.41	108.0
12	6.48	85.0	6.96	127.5	7.81	170.0

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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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