

ELECTROAIR®

KZ 04, 07
Unshielded



- 1 • Silver plated copper core (KZ 04)
or Nickel-plated copper core (KZ 07)
- 2 • Fluorinated PTFE tape

Standards and approvals

Construction:

- NF C 93-523

Performances:

- IEC 60332-1
- C2 NF C 32-070
- FAR 25

Colour code

Red, Blue, Yellow, Green, White, Black,
Orange

For any other request: please contact us

Applications

Electrical lightweight cables used
in electronic equipments for aircraft,
missile systems or aeronautical test
benches

Characteristics

• Thermal

Continuous operating temperature: **-90°C to +200°C (KZ 04)**
-90°C to +260°C (KZ 07)

• Electrical

Operating voltage: 250 V RMS

• Mechanical

Resistance to abrasion: ★★★★★

• Chemical

Resistance to chemical environments: ★★★★★

Resistance to humidity: ★★★★★

Resistance to aircraft fluids: ★★★★★

• Fire-smoke

Flame retardant

IEC 60332-1 / C2 NF C 32-070 / FAR 25

KZ 04, 07

| 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) | |
|-----|----------------------------------|--------------------|--------------------------------|---------------------------------|--------------------------------------------|-------|
| | | | | | CuAg | CuNi |
| 28 | 0.09 | 7 x 0.13 | 0.73 | 1.8 | 201.0 | 225.0 |
| 26 | 0.14 | 7 x 0.16 | 0.84 | 2.4 | 132.0 | 148.0 |
| 24 | 0.22 | 7 x 0.20 | 0.96 | 3.4 | 86.0 | 96.5 |
| 22 | 0.34 | 7 x 0.25 | 1.11 | 5.0 | 54.4 | 60.8 |
| 20 | 0.60 | 19 x 0.20 | 1.40 | 8.3 | 31.3 | 35.0 |

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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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