

# ELECTROAIR®

**KZ 06, 09**  
Unshielded



- 1 • Silver plated copper core (KZ 06)  
or Nickel-plated copper core (KZ 09)
- 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 06)**  
**-90°C to +260°C (KZ 09)**

### • Electrical

Operating voltage: 1,000 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 06, 09

AWG	Cross Section (mm <sup>2</sup> )	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	1.24	3.7	201.0	225.0
26	0.14	7 x 0.16	1.34	4.6	132.0	148.0
24	0.22	7 x 0.20	1.47	5.8	86.0	96.5
22	0.34	7 x 0.25	1.63	7.7	54.4	60.8
20	0.60	19 x 0.20	1.86	11.0	31.3	35.0
18	0.93	19 x 0.25	2.17	16.0	20.5	23.0
16	1.34	19 x 0.30	2.41	21.1	13.9	15.6
14	1.91	27 x 0.30*	2.92	30.0	10.0	11.2
12	3.09	45 x 0.30*	3.55	47.5	6.0	6.7

\* Non-concentric cores

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



[www.omerin.com](http://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.