

# ELECTROAIR®

**KZ 05, 08**  
Unshielded



- 1 • Silver plated copper core (KZ 05)  
or Nickel-plated copper core (KZ 08)
- 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 05)**  
**-90°C to +260°C (KZ 08)**

### • Electrical

Operating voltage: 600 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 05, 08

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	1.00	2.6	201.0	225.0
26	0.14	7 x 0.16	1.10	3.4	132.0	148.0
24	0.22	7 x 0.20	1.22	4.5	86.0	96.5
22	0.34	7 x 0.25	1.37	6.2	54.4	60.8
20	0.60	19 x 0.20	1.62	9.5	31.3	35.0
18	0.93	19 x 0.25	1.92	14.1	20.5	23.0
16	1.34	19 x 0.30	2.27	20.0	13.9	15.6
14	1.91	27 x 0.30*	2.66	27.0	10.0	11.2
12	3.09	45 x 0.30*	3.24	42.5	6.0	6.7

\* Non-concentric cores

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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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