

ELECTROAIR®

KU 01, 03, 04
Unshielded

- 1 • Tinned copper core
 - 2 • Fluorinated polymer ETFE
- Assembling version by pair (KU 03) / triple (KU 04)

Standards and approvals

- Construction:**
- NF C 93-524
- Performances:**
- IEC 60332-1
 - C2 NF C 32-070
 - FAR 25

Colour code

- KU 01 = Red, Blue, Yellow, Green, White, Black, Brown, Orange, Purple, Grey
 - KU 03 = White / Blue
 - KU 04 = White / Blue / 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: **-55°C to +150°C**
- **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
- **Radiation proof**
Excellent resistance

KU 01

AWG	Cross Section (mm ²)	Stranding (n x mm)	Cable outer diameter (mm)		Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
			Mini	Maxi		
30	0.06	7 x 0.10	0.58	0.68	0.9	365.4
28	0.09	7 x 0.13	0.64	0.74	1.5	208.0
26	0.14	19 x 0.10	0.76	0.86	2.0	128.7
24	0.22	19 x 0.13	0.86	0.96	3.6	76.6
22	0.34	19 x 0.16	1.05	1.15	4.6	50.3
20	0.60	19 x 0.20	1.47	1.57	7.6	32.1
18	0.93	19 x 0.25	1.75	1.85	11.3	20.6
16	1.34	19 x 0.30	1.93	2.07	15.5	14.3
14	1.91	37 x 0.25	2.26	2.46	21.4	10.6
12	3.09	37 x 0.32	2.79	2.99	33.8	6.5

KU 03

AWG	Cable outer diameter (mm)		Approx. linear weight (kg / km)
	Mini	Maxi	
30	1.16	1.36	2.0
28	1.28	1.48	3.1
26	1.52	1.72	4.1
24	1.72	1.92	7.4
22	2.10	2.30	9.5
20	2.94	3.14	16.0
18	3.50	3.70	23.8
16	3.86	4.14	32.6
14	4.52	4.92	44.9
12	5.58	5.98	71.0

KU 04

AWG	Cable outer diameter (mm)		Approx. linear weight (kg / km)
	Mini	Maxi	
30	1.25	1.46	3.0
28	1.38	1.58	4.7
26	1.63	1.85	6.1
24	1.85	2.06	11.4
22	2.26	2.47	14.1
20	3.16	3.38	24.1
18	3.76	3.98	35.8
16	4.15	4.45	48.8
14	4.86	5.29	67.4
12	6.00	6.43	106.5

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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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