

ELECTROAIR®

M7-KU 01 Jacketed



- 1 • One to seven wires KU 01
- 2 • Fluorinated polymer ETFE

Standards and approvals

Construction:

- Insulated core according to NF C 93-524

Performances:

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

Colour code

- M7-KU 01 (2 cores) = White jacket and Blue / White cores
 - M7-KU 01 (3 cores) = White jacket and White / Blue / Orange cores
 - M7-KU 01 (4 cores) = White jacket and White / Blue / Orange / Black cores
 - M7-KU 01 (5 cores) = White jacket and White / Blue / Orange / Black / Green cores
 - M7-KU 01 (7 cores) = White jacket and White / Blue / Orange / Black / Green / Yellow / Red cores
- For any other request (> 7 cores):
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

WIRE (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

M7-KU 01

AWG	2X		3X		4X		5X		7X	
	Cable outer diameter (mm)		Cable outer diameter (mm)		Cable outer diameter (mm)		Cable outer diameter (mm)		Cable outer diameter (mm)	
	Mini	Maxi	Mini	Maxi	Mini	Maxi	Mini	Maxi	Mini	Maxi
30	1.40	1.80	1.50	1.90	1.60	2.00	1.60	2.00	2.20	2.60
28	1.60	2.00	1.70	2.10	1.90	2.30	2.10	2.50	2.30	2.70
26	1.80	2.20	1.90	2.30	2.10	2.50	2.30	2.70	2.60	3.00
24	2.00	2.40	2.10	2.50	2.30	2.70	2.60	3.00	2.90	3.30
22	2.40	2.80	2.50	2.90	2.80	3.20	3.10	3.50	3.50	3.90
20	3.20	3.60	3.40	3.80	3.80	4.20	4.20	4.60	4.70	5.10
18	3.80	4.20	4.10	4.50	4.50	4.90	5.10	5.50	5.60	6.00
16	4.20	4.60	4.50	4.90	5.00	5.40	5.60	6.00	6.20	6.60
14	4.90	5.30	5.30	5.70	5.90	6.30	6.60	7.00	7.30	7.70
12	6.00	6.40	6.40	6.80	7.20	7.60	8.00	8.40	-	-

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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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