

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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