

# ELECTROAIR®

## M7BE-KU 01 Shielded & Jacketed



- 1 • Four to seven wires KU 01
- 2 • Tinned copper braid
- 3 • 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

- M7BE-KU 01 (4 cores) = White jacket and White / Blue / Orange / Black cores
  - M7BE-KU 01 (5 cores) = White jacket and White / Blue / Orange / Black / Green cores
  - M7BE-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 <sup>2</sup> )	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

### M7BE-KU 01

AWG	4X		5X		7X	
	Cable outer diameter (mm)		Cable outer diameter (mm)		Cable outer diameter (mm)	
	Mini	Maxi	Mini	Maxi	Mini	Maxi
30	2.25	2.50	2.45	2.75	2.55	2.90
28	2.50	2.75	2.55	2.85	2.85	3.20
26	2.80	3.05	2.85	3.25	3.20	3.55
24	3.00	3.25	3.15	3.45	3.50	3.85
22	3.40	3.65	3.75	4.05	4.10	4.40
20	4.35	4.65	4.95	5.25	5.40	5.75
18	5.15	5.45	5.80	6.20	6.25	6.70
16	5.60	6.00	6.30	6.70	6.80	7.25
14	6.40	6.80	7.10	7.50	-	-
12	7.80	8.20	8.70	9.10	-	-

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)

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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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