

ELECTROAIR®

DA6007 Unshielded

- 1 • Silver plated copper
 - 2 • Polyimide tape
 - 3 • PTFE top coat
- Available twisted conductors:
two or three twisted cores

Standards and approvals

Construction & performances:

- Standard AIR 4524/E BNAE File AIR N°6 418 600
 - EN 2083
- Certified STPA File N°1797
(Letter N°42284/STPA/CIN.6 of 29/08/1986)

Marking

"CGP 6007.K.N.D Manufacturing Year"
(N = number of cores)
For twisted conductors, only the first wire is marked

Colour code

- DA6007 1X (Single core):
Light Green, Pink or White
- DA6007 2X or 3X (Multicore):
 - A. First core: Light Green, Pink or White
 - B. Second core: same colour as first core and two coloured rings (Pink)
 - C. Third core: same colour as first core and three coloured rings (Pink)

Applications

Electrical lightweight cables for use in the on-board electrical systems of fighter aircraft



Characteristics

- **Thermal**
Continuous operating temperature: **-55°C to +200°C**
- **Electrical**
Operating voltage: 600 V RMS
- **Mechanical**
Cut-through resistance: ★★★★★☆
Resistance to abrasion: ★★★★★☆
AIR 4524/E
- **Chemical**
Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
Resistance to aircraft fluids: ★★★★★
AIR 4524/E
- **Fire-smoke**
Flame retardant
Oxygen index > 90%
FAR 25

DA6007 1X

AWG	Stranding (n x mm)	Cable outer diameter (mm)		Maximum linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
		Mini	Maxi		
26	19 x 0.10	0.74	0.80	1.85	149.0
24	19 x 0.12	0.82	0.90	2.52	106.0
22	19 x 0.15	0.96	1.06	3.74	55.3
20	19 x 0.20	1.21	1.32	6.33	31.0
18	19 x 0.25	1.44	1.57	9.50	19.6
16	19 x 0.30	1.71	1.84	13.40	13.6
14	37 x 0.25	1.97	2.11	18.10	10.2
12	37 x 0.32	2.50	2.65	29.00	6.4
10	61 x 0.32	3.12	3.30	47.52	3.9

DA6007 2X

AWG	Cable outer diameter (mm)		Maximum linear weight (kg / km)
	Mini	Maxi	
26	1.48	1.60	3.70
24	1.64	1.80	5.04
22	1.92	2.12	7.48
20	2.42	2.64	12.66
18	2.88	3.14	19.00
16	3.42	3.68	26.80
14	3.94	4.22	36.20
12	5.00	5.30	58.00
10	6.24	6.60	95.04

DA6007 3X

AWG	Cable outer diameter (mm)		Maximum linear weight (kg / km)
	Mini	Maxi	
26	2.22	2.40	5.55
24	2.46	2.70	7.56
22	2.88	3.18	11.22
20	3.63	3.96	18.99
18	4.32	4.71	28.50
16	5.13	5.52	40.20
14	5.91	6.33	54.30
12	7.50	7.95	87.00
10	9.36	9.90	142.56

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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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