

ELECTROAIR®

DA6010 Shielded & Jacketed



- 1 • One to three wires DA6007
- 2 • Tinned copper spiral shield
- 3 • Polyimide tape
- 4 • Fluoropolymer top coat
(colour of the outer sheath, see the table below)

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

No marking on the sheath
Wires are marked (see ref.DA6007 for more information)

Colour code

- DA6010 1X (Single core):
Light Green, Pink or White
- DA6010 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)

Options

Operating temperature until +200°C for 6010 with a silver plated copper spiral shield

Applications

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

Characteristics

• Thermal

Continuous operating temperature: **-55°C to +150°C**
Available +200°C (see Options)

• 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

WIRE (DA6007)

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

DA6010

Number of cores & AWG	Cable outer diameter (mm)		Maximum linear weight (kg / km)	Sheath colour
	Mini	Maxi		
1 x AWG 22	1.31	1.41	6.10	Light Green
1 x AWG 20	1.53	1.76	10.10	Pink
1 x AWG 18	1.84	2.03	14.20	White
1 x AWG 16	2.12	2.25	18.40	Light Green
1 x AWG 14	2.36	2.59	24.90	Pink
2 x AWG 26	1.80	2.10	6.80	Pink
2 x AWG 24	1.98	2.28	9.60	White
2 x AWG 22	2.28	2.58	12.20	Light Green
2 x AWG 20	2.76	3.06	19.90	Pink
2 x AWG 18	3.26	3.56	26.00	White
2 x AWG 16	3.86	4.16	38.50	Light Green
2 x AWG 14	4.30	4.70	51.10	Pink
3 x AWG 26	1.85	2.15	9.70	Pink
3 x AWG 24	2.11	2.41	14.00	White
3 x AWG 22	2.43	2.73	18.70	Light Green

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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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