

ELECTROAIR®

MIL-STD-1553 W WJC



- 1 • Silver plated copper alloy core
- 2 • Fluorinated polymer
- 3 • Two fillers
- 4 • Polyimide tape
- 5 • Silver plated copper double braid
- 6 • Fluorinated polymer

Standards and approvals

Performances:

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

Colour code

- Grey jacket and Blue / White cores
- For any other request: please contact us*

Marking

- "CGP Ref. 11246 Manufacturing Year"
- Red ink: cables for main network (Model EN 3375-004 A 01)
 - Blue ink: cables for secondary networks (Model EN 3375-004 A 02)

Applications

Data transmission in high temperature environment for aerospace and defence industries

Characteristics

• Thermal

Continuous operating temperature: **-65°C to +200°C**

• Electrical

Operating voltage: < 250 V RMS
Impedance: 77 Ω

• Mechanical

Resistance to abrasion: ★★★★★
EN 3475

• Chemical

Resistance to chemical environments: ★★★★★
Resistance to humidity: ★★★★★
Resistance to aircraft fluids: ★★★★★
EN 3475

• Fire-smoke

Flame retardant
IEC 60332-1 / C2 NF C 32-070 / FAR 25

• Electromagnetic protection

Excellent covering (shielding) ≥ 92%

DATA TRANSMISSION CHARACTERISTICS

Impedance	77 Ω	Maximum transfer impedance	
Tolerance	+/- 7 Ω	Direct current	15 Ω / km
Min. insulation resistance	> 1,500 M.Ω.km	at 1 MHz	5 Ω / km
Capacitance	65 pF / m	at 10 MHz	5 Ω / km
Typical attenuation at 1 MHz	2.70 dB / 100m	at 30 MHz	10 Ω / km
Velocity of propagation	66 to 90%		
Operating voltage	< 250 V		

CONSTRUCTION

AWG	Stranding (n x mm)	Cable outer diameter (mm) Nominal	Approx. linear weight (kg / km)
AWG 24	19 x 0.12	3.65	37.0

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The information provided in this technical data sheet is indicative and may be modified without prior notice, laying, wiring and electrical conditions and the environment of the cable can not be fully considered in our studies. In no way the company CGP SAS shall be held responsible for any incidents in the case of inappropriate uses, particularly in the case of wiring conditions that do not respect the good practice and the standards in force.

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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