

ELECTROAIR®

NEMA HP3 ET Unshielded



- 1 • Silver plated copper core
- 2 • Fluorinated PTFE tape

Standards and approvals

Construction:

- NEMA HP3
- ex MIL-W-16878/20

Performances:

- IEC 60332-1
- C2 NF C 32-070
- EN 3475
- FAR 25

Colour code

Red, Blue, Yellow, Green, White, Black,
Orange

For any other request: please contact us

Applications

Electrical lightweight cables used
in electronic equipments for aircraft,
missile systems or aeronautical test
benches

CGP Reference

1. Standard: HP3
2. Type: ET
3. Type of insulation: W (wrapped)
4. Type of material:
B (silver plated copper)
5. Conductor size AWG (C = 28, D =
26, E = 24, F = 22, G = 20)
6. Conductor stranding (B = 7x, E = 19x)

Characteristics

• Thermal

Continuous operating temperature: **-90°C to +200°C**

• Electrical

Operating voltage: 250 V RMS

• 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

NEMA HP3 ET

AWG	Stranding (n x mm)	Code NEMA HP3	Cable outer diameter (mm)		Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
			Mini	Maxi		
28	7 x 0.13	HP3 – ET – WBCB	0.63	0.73	1.3	208.7
28	19 x 0.08	HP3 – ET – WBCE	0.63	0.73	1.4	207.0
26	7 x 0.16	HP3 – ET – WBDDB	0.74	0.84	2.0	130.2
26	19 x 0.10	HP3 – ET – WBDE	0.74	0.84	2.2	122.4
24	7 x 0.20	HP3 – ET – WBEB	0.86	0.96	3.0	80.4
24	19 x 0.13	HP3 – ET – WBEE	0.86	0.99	3.2	77.4
22	7 x 0.25	HP3 – ET – WBFB	1.02	1.12	4.4	51.2
22	19 x 0.16	HP3 – ET – WBFE	1.02	1.16	4.6	48.6
20	7 x 0.32	HP3 – ET – WBGB	1.22	1.32	6.3	32.2
20	19 x 0.20	HP3 – ET – WBGE	1.22	1.32	7.0	29.9

CGP SAS

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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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