

ELECTROAIR®

NEMA HP4 KT Unshielded

- 1 • Silver plated copper core
- 2 • Fluorinated polymer FEP

Standards and approvals

Construction:

- NEMA HP4
- ex MIL-W-16878/13

Performances:

- IEC 60332-1
- C2 NF C 32-070
 - FAR 25
 - ABD0031
 - EN 3475

Colour code

Red, Blue, Yellow, Green, White, Black,
Brown, Orange, Purple, Grey
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: HP4
2. Type: KT
3. Type of material:
B (silver plated copper)
4. Conductor size AWG
(A = 32, B = 30, C = 28,
D = 26, E = 24, F = 22, G = 20)
5. Conductor stranding (B = 7x, E = 19x)



Characteristics

• Thermal

Continuous operating temperature: **-55°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

Low smoke density

ABD0031

• Arc tracking resistance

EN 3475

(tested on wire NEMA HP4 K)

NEMA HP4 KT

AWG	Stranding (n x mm)	Code NEMA HP4	Cable outer diameter (mm)		Approx. linear weight (kg / km)	Maximum linear resistance at 20°C (Ω / km)
			Mini	Maxi		
32	7 x 0.08	HP4 - KT - BAB	0.51	0.60	0.8	557.7
32	19 x 0.05	HP4 - KT - BAE	0.51	0.60	0.9	515.1
30	7 x 0.10	HP4 - KT - BBB	0.56	0.66	1.1	328.1
30	19 x 0.06	HP4 - KT - BBE	0.56	0.66	1.2	323.5
28	7 x 0.13	HP4 - KT - BCB	0.64	0.73	1.5	208.7
28	19 x 0.08	HP4 - KT - BCE	0.64	0.73	1.7	207.0
26	7 x 0.16	HP4 - KT - BDB	0.74	0.83	2.1	130.2
26	19 x 0.10	HP4 - KT - BDE	0.74	0.83	2.2	122.4
24	7 x 0.20	HP4 - KT - BEB	0.87	0.96	3.0	80.4
24	19 x 0.12	HP4 - KT - BEE	0.87	0.96	3.2	77.4
22	7 x 0.25	HP4 - KT - BFB	1.02	1.12	4.4	51.2
22	19 x 0.16	HP4 - KT - BFE	1.02	1.12	4.6	48.6
20	7 x 0.32	HP4 - KT - BGB	1.22	1.32	6.3	32.2
20	19 x 0.20	HP4 - KT - BGE	1.22	1.32	7.0	29.9

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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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