

**Electrical Wire Ordering Info:**

Example : HP



NEMA Type

**Construction**

**X** — Extruded

**W** — Wrapped (HP3 only)

Conductor material	
B	Silver plated copper
C	Nickel plated copper
D	Silver plated high-strength alloy
E	Nickel plated high-strength alloy
F	Silver plated copper clad steel
G	Nickel plated copper clad steel
H	Tin plated copper (HP4 only)

AWG Size	
B	30
C	28
D	26
E	24
F	22
G	20
H	18
J	16
K	14
L	12
M	10
N	8
P	6
R	4
S	2
T	1
U	1/0
W	2/0
Y	3/0
Z	4/0

Stranding	
A	1
B	7
E	19
G	37
L	133
P	665
R	817
S	1045
T	1330
V	1665
W	2109

Color Code	
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray

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## CASFLON™ NEMA

### HP4 Type K, KK, KT

-65°C to +150°C or 200°C, 250-600V



#### Construction

**Type:** electrical wire

**Core:** silver-plated copper or tin plated copper

**Insulation:** extruded FEP

#### Production

**Range width:** AWG 28 to 8

**Options:** contact us for more options

#### Application

**Aviation:** Electrical lightweight cables used in electronic equipment for aircraft, missile systems or aeronautical test benches

#### General characteristics

**Weather conditions:** excellent resistance to UV

**Chemical behaviors:** excellent resistance to aggressive chemical environments

**Humidity:** excellent resistance to humidity

**Mechanical behaviors:** excellent mechanical strength

#### Thermal characteristics

**Operating temperature:** SPC: -65°C to +150°C

NPC: -65°C to +200°C

#### Electrical characteristics

**Operating Voltage:** Type K: 600V

Type KK: 1000V

Type KT: 250V

#### Approvals – Standards

**NEMA standard:** NEMA HP4 Type K, KK, KT ex. MIL-W-16878/ 11 / 12 / 13

### Type K, ex. MIL-W-16878/11 600V

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
28 7/36	0.01	0.254	0.035	0.89	2	2.98
26 1/26	0.01	0.254	0.036	0.91	2	2.98
26 7/34	0.01	0.254	0.039	0.99	2	2.98
26 19/38	0.01	0.254	0.039	0.99	2	2.98
24 1/24	0.01	0.254	0.04	1.02	3	4.46
24 7/32	0.01	0.254	0.044	1.12	3	4.46
24 19/36	0.01	0.254	0.045	1.14	3	4.46
22 1/22	0.01	0.254	0.045	1.14	4	5.95
22 7/30	0.01	0.254	0.05	1.27	4	5.95
22 19/34	0.01	0.254	0.051	1.30	4	5.95
20 1/20	0.01	0.254	0.052	1.32	5	7.44
20 7/28	0.01	0.254	0.058	1.47	5	7.44
20 19/32	0.01	0.254	0.058	1.47	5	7.44
18 7/26	0.01	0.254	0.069	1.75	8	11.90
18 19/30	0.01	0.254	0.069	1.75	8	11.90
16 19/29	0.013	0.330	0.08	2.03	10	14.88
14 19/27	0.013	0.330	0.095	2.41	15	22.32
12 19/25	0.015	0.381	0.114	2.90	23	34.23
10 37/26	0.013	0.330	0.134	3.40	35	52.08

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**CASFLON™ NEMA**

**HP4 Type K, KK, KT**

**-65°C to +150°C or 200°C, 250-600V**



**Type KK, ex. MIL-W-16878/12 1000V**

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
28 7/36	0.015	0.381	0.045	1.14	2	2.98
26 1/26	0.015	0.381	0.046	1.17	2	2.98
26 7/34	0.015	0.381	0.049	1.24	2	2.98
26 19/38	0.015	0.381	0.049	1.24	2	2.98
24 1/24	0.015	0.381	0.05	1.27	3	4.46
24 7/32	0.015	0.381	0.054	1.37	3	4.46
24 19/36	0.015	0.381	0.055	1.40	3	4.46
22 1/22	0.015	0.381	0.055	1.40	4	5.95
22 7/30	0.015	0.381	0.06	1.52	4	5.95
22 19/34	0.015	0.381	0.061	1.55	5	7.44
20 1/20	0.015	0.381	0.062	1.57	6	8.93
20 7/28	0.015	0.381	0.068	1.73	6	8.93
20 19/32	0.015	0.381	0.068	1.73	7	10.42
18 7/26	0.015	0.381	0.079	2.01	9	13.39
18 19/30	0.015	0.381	0.079	2.01	9	13.39
16 19/29	0.018	0.457	0.089	2.26	11	16.37
14 19/27	0.018	0.457	0.106	2.69	17	25.30
12 19/25	0.021	0.533	0.125	3.18	35	52.08
10 37/26	0.019	0.483	0.145	3.68	68	101.19
8 133/29	0.024	0.610	0.209	5.31	107	159.23

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**CASFLON™ NEMA**

**HP4 Type K, KK, KT**

**-65°C to +150°C or 200°C, 250-600V**



**Type KT, ex. MIL-W-16878/13 250V**

AWG/Stranding	Insulation Thickness		O.D.		Weight	
	(inch)	(mm)	(inch)	(mm)	(lbs/mft)	(kg/km)
28 7/36	0.006	0.152	0.027	0.69	1	1.49
26 1/26	0.006	0.152	0.028	0.71	2	2.98
26 7/34	0.006	0.152	0.031	0.79	2	2.98
26 19/38	0.006	0.152	0.031	0.79	2	2.98
24 1/24	0.006	0.152	0.032	0.81	3	4.46
24 7/32	0.006	0.152	0.036	0.91	3	4.46
24 19/36	0.006	0.152	0.036	0.91	3	4.46
22 1/22	0.006	0.152	0.038	0.97	3	4.46
22 7/30	0.006	0.152	0.042	1.07	3	4.46
22 19/34	0.006	0.152	0.042	1.07	4	5.95
20 1/20	0.006	0.152	0.044	1.12	5	7.44
20 7/28	0.006	0.152	0.05	1.27	5	7.44
20 19/32	0.006	0.152	0.05	1.27	5	7.44

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