

Equipment Wire, 600V, +200°C*, NEMA HP-4

FEP

Properties:

Radiation resistance:
10 E4 Gy

Flame retardant
Low Smoke Generation

Suitable for use in:

Oils
Fuels
Acids
Bases

Construction:

Conductor Silver Plated Copper (SPC)
Insulation FEP
Temperature rating (°C) -65 / +200*
Colours XX = Colour code
Voltage 600 V AC
Test voltage 3400 V AC

* Specification only rates temperature at: -65 / +150°C

** Metric size. Construction in accordance with, but not included in NEMA HP-4

Colour code:

Black	00
Brown	11
Red	22
Orange	33
Yellow	44
Green	55
Blue	66
Violet	77
Grey	88
White	99
Pink	29
Natural	89

Notes:

All dimensions nominal (± 4%)
unless otherwise stated.
All dimensions in mm.

Air temperature correction factor for current rating:

°C	20	40	60	80	100	120	140	160	180					
Factor	1.08	1.00	0.92	0.84	0.75	0.65	0.55	0.42	0.28					

Multicore correction factor for current rating:

Cores	2	3	4	6	8	10	12	16	20	24	28	32	36	40
Factor	1	0.88	0.80	0.69	0.62	0.59	0.55	0.51	0.48	0.43	0.41	0.39	0.38	0.36

Type	Size		Conductor			Finished Wire				Order Reference
	AWG	mm²	Stranding	Wire Ø	DC Res @ 20°C (Ohms / km)	Core Ø	Tolerance	Weight (kg/km)	Amps (@ 40°C)	
K 3201	32	0,031	1 x 0,203	0,20	544,6	0,71	± 0,10	1,1	3	562xx3201
K 3207	32	0,035	7 x 0,079	0,24	557,7	0,76	± 0,10	1,2	3	562xx3207
K 3219	32	0,040	19 x 0,051	0,24	515,1	0,76	± 0,10	1,2	3	562xx3219
K 3001	30	0,049	1 x 0,254	0,25	347,8	0,76	± 0,10	1,3	4	562xx3001
K 3007	30	0,057	7 x 0,102	0,30	328,1	0,81	± 0,10	1,5	4	562xx3007
K 3019	30	0,060	19 x 0,064	0,30	323,5	0,81	± 0,10	1,5	4	562xx3019
K 2801	28	0,080	1 x 0,320	0,32	218,8	0,84	± 0,10	1,7	5	562xx2801
K 2807	28	0,089	7 x 0,127	0,38	208,7	0,89	± 0,10	2,0	5	562xx2807
K 2819	28	0,090	19 x 0,079	0,37	207,0	0,89	± 0,10	2,0	5	562xx2819
K 2601	26	0,126	1 x 0,404	0,40	137,5	0,91	± 0,10	2,3	7	562xx2601
K 2607	26	0,141	7 x 0,160	0,48	130,2	0,99	± 0,10	2,7	7	562xx2607
K 2619	26	0,155	19 x 0,102	0,48	122,4	0,99	± 0,10	2,8	7	562xx2619
K 2401	24	0,204	1 x 0,511	0,51	85,96	1,02	+ 0,10 - 0,11	3,1	10	562xx2401
K 2407	24	0,220	7 x 0,203	0,60	80,38	1,12	± 0,10	3,7	10	562xx2407
K 2419	24	0,241	19 x 0,127	0,60	77,43	1,12	± 0,10	3,9	10	562xx2419
K 0,25 **	-	0,250	14 x 0,150	0,66	76,90	1,15	± 0,10	3,9	10	562xx0025
K 2201	22	0,322	1 x 0,643	0,64	54,13	1,16	+ 0,11 - 0,12	4,4	14	562xx2201
K 2207	22	0,355	7 x 0,254	0,76	51,18	1,27	± 0,10	5,2	14	562xx2207
K 2219	22	0,382	19 x 0,160	0,76	48,56	1,27	± 0,10	5,5	14	562xx2219
K 0,5 **	-	0,500	19 x 0,185	0,93	40,10	1,45	± 0,10	6,7	17	562xx0050
K 2001	20	0,515	1 x 0,813	0,81	33,79	1,32	± 0,10	6,5	19	562xx2001
K 2007	20	0,563	7 x 0,320	0,96	32,19	1,47	± 0,10	7,5	19	562xx2007
K 2019	20	0,597	19 x 0,203	0,96	29,86	1,47	± 0,10	8,1	19	562xx2019
K 0,75 **	-	0,750	19 x 0,225	1,13	26,70	1,65	± 0,10	9,5	22	562xx0075
K 1801	18	0,817	1 x 1,024	1,02	21,39	1,55	± 0,13	9,6	27	562xx1801
K 1807	18	0,880	7 x 0,404	1,21	20,21	1,75	+ 0,13 - 0,12	12	27	562xx1807
K 1819	18	0,963	19 x 0,254	1,20	19,00	1,75	+ 0,13 - 0,12	12	27	562xx1819
K 1,0 **	-	1,000	32 x 0,200	1,20	20,00	1,80	± 0,12	13	27	562xx0100
K 1601	16	1,301	1 x 1,290	1,29	13,45	1,88	± 0,18	15	32	562xx1601
K 1619	16	1,229	19 x 0,287	1,36	14,90	2,03	± 0,18	16	32	562xx1619
K 1,5 **	-	1,500	30 x 0,250	1,50	13,70	2,08	± 0,18	17	35	562xx0150
K 1419	14	1,870	19 x 0,361	1,71	9,42	2,41	+ 0,18 - 0,17	23	43	562xx1419
K 2,5 **	-	2,500	50 x 0,250	1,95	8,21	2,58	± 0,18	28	50	562xx0250
K 1219	12	3,022	19 x 0,455	2,15	5,94	2,90	+ 0,17 - 0,18	33	59	562xx1219
K 1237	12	2,976	37 x 0,320	2,24	6,20	2,84	+ 0,18 - 0,17	34	59	562xx1237
K 4 **	-	4,000	56 x 0,300	2,48	5,09	3,13	± 0,18	42	70	562xx0400
K 1037	10	4,650	37 x 0,404	2,82	3,90	3,40	+ 0,18 - 0,17	52	81	562xx1037
K 6 **	-	6,000	84 x 0,300	2,92	3,39	3,83	± 0,18	62	92	562xx0600

Data provided indicates nominal values unless stated otherwise and is only valid for reference purposes at the time of publication and is subject to change without prior notice.

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