

Equipment Wire, 1000V, +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 1000 V AC
Test voltage 5000 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:

KK

°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)	
KK 3201	32	0,031	1 x 0,203	0,20	544,6	0,94	± 0,10	1,8	3	563xx3201
KK 3207	32	0,035	7 x 0,079	0,24	557,7	0,99	± 0,10	1,2	3	563xx3207
KK 3219	32	0,040	19 x 0,051	0,24	515,1	0,99	± 0,10	1,2	3	563xx3219
KK 3001	30	0,049	1 x 0,254	0,25	347,8	1,02	+ 0,10 - 0,11	1,3	4	563xx3001
KK 3007	30	0,057	7 x 0,102	0,30	328,1	1,07	± 0,10	1,5	4	563xx3007
KK 3019	30	0,060	19 x 0,064	0,30	323,5	1,07	± 0,10	1,5	4	563xx3019
KK 2801	28	0,080	1 x 0,320	0,32	218,8	1,09	± 0,10	1,7	5	563xx2801
KK 2807	28	0,089	7 x 0,127	0,38	208,7	1,14	± 0,10	2,0	5	563xx2807
KK 2819	28	0,090	19 x 0,079	0,37	207,0	1,14	± 0,10	2,0	5	563xx2819
KK 2601	26	0,126	1 x 0,404	0,40	137,5	1,17	± 0,10	2,3	7	563xx2601
KK 2607	26	0,141	7 x 0,160	0,48	130,2	1,24	+ 0,11 - 0,10	2,7	7	563xx2607
KK 2619	26	0,155	19 x 0,102	0,48	122,4	1,24	+ 0,11 - 0,10	2,8	7	563xx2619
KK 2401	24	0,204	1 x 0,511	0,51	85,96	1,27	± 0,10	3,1	10	563xx2401
KK 2407	24	0,220	7 x 0,203	0,60	80,38	1,37	± 0,10	3,7	10	563xx2407
KK 2419	24	0,241	19 x 0,127	0,60	77,43	1,37	± 0,10	3,9	10	563xx2419
KK 0,25 **	-	0,250	14 x 0,150	0,66	76,90	1,38	± 0,10	4,0	11	563xx0025
KK 2201	22	0,322	1 x 0,643	0,64	54,13	1,41	± 0,11	4,4	14	563xx2201
KK 2207	22	0,355	7 x 0,254	0,76	51,18	1,52	+ 0,11 - 0,10	5,2	14	563xx2207
KK 2219	22	0,382	19 x 0,160	0,76	48,56	1,52	+ 0,11 - 0,10	5,5	14	563xx2219
KK 0,5 **	-	0,500	19 x 0,185	0,93	40,10	1,68	± 0,10	6,5	17	563xx0050
KK 2001	20	0,515	1 x 0,813	0,81	33,79	1,57	+ 0,11 - 0,10	6,5	19	563xx2001
KK 2007	20	0,563	7 x 0,320	0,96	32,19	1,73	± 0,10	7,5	19	563xx2007
KK 2019	20	0,597	19 x 0,203	0,96	29,86	1,73	± 0,10	8,1	19	563xx2019
KK 0,75 **	-	0,750	19 x 0,225	1,13	26,70	1,90	± 0,10	11	22	563xx0075
KK 1801	18	0,817	1 x 1,024	1,02	21,39	1,80	+ 0,13 - 0,12	9,6	27	563xx1801
KK 1807	18	0,880	7 x 0,404	1,21	20,21	2,01	+ 0,12 - 0,13	12	27	563xx1807
KK 1819	18	0,963	19 x 0,254	1,20	19,00	2,01	+ 0,12 - 0,13	12	27	563xx1819
KK 1,0 **	-	1,000	32 x 0,200	1,20	20,00	2,05	± 0,12	12	27	563xx0100
KK 1601	16	1,301	1 x 1,290	1,29	13,45	2,11	± 0,15	15	32	563xx1601
KK 1619	16	1,229	19 x 0,287	1,36	14,90	2,26	± 0,15	16	32	563xx1619
KK 1,5 **	-	1,500	30 x 0,250	1,50	13,70	2,35	± 0,15	20	35	563xx0150
KK 1419	14	1,870	19 x 0,361	1,71	9,416	2,69	+ 0,21 - 0,20	23	43	563xx1419
KK 2,5 **	-	2,500	50 x 0,250	1,95	8,210	2,88	± 0,20	30	50	563xx0250
KK 1219	12	3,022	19 x 0,455	2,15	5,938	3,18	+ 0,20 - 0,21	33	59	563xx1219
KK 1237	12	2,976	37 x 0,320	2,24	6,201	3,12	+ 0,21 - 0,20	34	59	563xx1237
KK 4 **	-	4,000	56 x 0,300	2,48	5,090	3,45	± 0,20	47	70	563xx0400
KK 1037	10	4,650	37 x 0,404	2,82	3,904	3,68	+ 0,21 - 0,20	52	81	563xx1037
KK 6 **	-	6,000	84 x 0,300	2,92	3,390	4,24	± 0,20	66	92	563xx0600

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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