

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.

Ref: EQ-eK-05
Date: 2008-05-08
Approved by: 

Type	Size		Conductor			Finished Wire				Order Reference
	AWG	mm ²	Stranding	Wire \varnothing	DC Res @ 20°C (Ohms / km)	Core \varnothing	Tolerance	Weight (kg/km)	Amps (@ 40°C)	
K 8133	8	8,600	133 x 0,287	4,10	2,17	4,88	+ 0,17 - 0,18	91	129	562xx8133

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.

Ref: EQ-eK-05
Date: 2008-05-08
Approved by: 