K TPC

FEP NEMA HP-4 600V AC -65°C / +180°C

Construction

Wire	Tin Plated Copper (TPC)	Insulation	FEP	Voltage	600/1000V AC U_0/U
				Test voltage	3400V AC

Colour (cc)	00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Clear

Description	Size		Conductor			Finished Core			Electrical	Article Number
	AWG	CSA mm²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C	
K 3201 TPC	32	0.03	1 x 0.203	584.00	0.20	0.71	± 0.10	1.1	2	559cc3201
K 3207 TPC		0.03	7 x 0.079	597.10	0.24	0.76	± 0.10	1.2		559cc3207
K 3219 TPC		0.04	19 x 0.051	554.50	0.24	0.76	± 0.10	1.3		559cc3219
K 3001 TPC	30	0.05	1 x 0.254	374.00	0.25	0.76	± 0.10	1.3	3	559cc3001
K 3007 TPC		0.06	7 x 0.102	354.30	0.30	0.81	± 0.10	1.5		559cc3007
K 3019 TPC		0.06	19 x 0.064	347.80	0.30	0.81	± 0.10	1.5		559cc3019
K 2801 TPC	28	0.08	1 x 0.320	232.30	0.32	0.84	± 0.10	1.7	4	559cc2801
K 2807 TPC		0.09	7 x 0.127	223.80	0.38	0.89	± 0.10	2.0		559cc2807
K 2819 TPC		0.09	19 x 0.079	222.10	0.37	0.89	± 0.10	2.0		559cc2819
K 2601 TPC	26	0.13	1 x 0.404	146.00	0.40	0.91	+ 0.11 - 0.10	2.3	6	559cc2601
K 2607 TPC		0.14	7 x 0.160	139.80	0.48	0.99	± 0.10	2.7		559cc2607
K 2619 TPC		0.15	19 x 0.102	131.60	0.48	0.99	± 0.10	2.8		559cc2619
K 2401 TPC	24	0.20	1 x 0.511	89.20	0.51	1.02	+ 0.11 - 0.10	3.1	8	559cc2401
K 2407 TPC		0.23	7 x 0.203	86.00	0.60	1.12	± 0.10	3.7		559cc2407
K 2419 TPC		0.24	19 x 0.127	83.30	0.60	1.12	± 0.10	3.9		559cc2419
K 2201 TPC	22	0.32	1 x 0.643	56.40	0.64	1.16	+ 0.11 - 0.12	4.4	12	559cc2201
K 2207 TPC		0.35	7 x 0.254	54.80	0.76	1.27	± 0.10	5.2		559cc2207
K 2219 TPC		0.38	19 x 0.160	52.20	0.76	1.27	± 0.10	5.5		559cc2219
K 2001 TPC	20	0.52	1 x 0.813	35.10	0.81	1.32	± 0.10	6.5	16	559cc2001
K 2007 TPC		0.56	7 x 0.320	34.10	0.96	1.47	± 0.10	7.5		559cc2007
K 2019 TPC		0.62	19 x 0.203	32.00	0.96	1.47	± 0.10	8.1		559cc2019
K 1801 TPC	18	0.82	1 x 1.024	22.20	1.02	1.55	± 0.13	9.6	22	559cc1801
K 1807 TPC		0.90	7 x 0.404	21.50	1.21	1.75	+ 0.13 - 0.12	11.1		559cc1807
K 1819 TPC		0.96	19 x 0.254	20.40	1.20	1.75	+ 0.13 - 0.12	11.4		559cc1819
K 1601 TPC	16	1.31	1 x 1.290	14.00	1.29	1.88	± 0.18	14.7	27	559cc1601
K 1619 TPC		1.23	19 x 0.287	15.80	1.36	2.03	± 0.18	14.8		559cc1619
K 1419 TPC	14	1.94	19 x 0.361	10.00	1.71	2.41	+ 0.18 - 0.17	22.3	36	559cc1419
K 1219 TPC	12	3.08	19 x 0.455	6.30	2.15	2.90	+ 0.17 - 0.18	34.0	50	559cc1219
K 1237 TPC		2.98	37 x 0.320	6.59	2.24	2.84	+ 0.18 - 0.17	34.2		559cc1237
K 1037 TPC	10	4.74	37 x 0.404	4.13	2.82	3.40	+ 0.18 - 0.17	50.7	68	559cc1037
K 8133 TPC	8	8.61	133 x 0.287	2.30	4.10	4.88	+ 0.17 - 0.18	90.7	109	559cc8133

Application

FEP is a thin wall insulation and jacket material intended for applications up to 200°C. FEP has good electrical properties and excellent fire performance. It is the most flexible of the fluoropolymer insulations and is ideal for use in long lengths. FEP is primarily used in data and coaxial cables, as well as for medical applications and control / signal cables for high temperature use.

- Flame retardant: IEC 60332-1, IEC 60332-3-24
- Low smoke generation: IEC 61034-2
- RoHS compliant
- In accordance with: NEMA HP-4

K TPC (Metric sizes)

FEP NEMA HP-4 600V AC -65°C / +180°C

Construction

Wire	Tin Plated Copper (TPC)	Insulation	FEP	Voltage	600/1000V AC U_0/U
				Test voltage	3400V AC

Colour (cc)	00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Clear

Description	Size		Conductor			Finished Core			Electrical	Article Number
	AWG	CSA mm²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C	
K 0.25 TPC	-	0.25	14 x 0.150	76.90	0.66	1.15	± 0.05	4.0	9	559cc0025
K 0.5 TPC	-	0.50	16 x 0.200 19 x 0.185	40.10	0.88	1.45	± 0.05	7.0	14	559cc0050
K 0.75 TPC	-	0.75	24 x 0.200 19 x 0.225	26.70	1.05 1.13	1.65	± 0.05	10.0	19	559cc0075 559cc1975
K 1.0 TPC	-	1.00	32 x 0.200	20.00	1.20	1.80	± 0.05	13.0	22	559cc0100
K 1.5 TPC	-	1.50	30 x 0.250	13.70	1.50	2.08	± 0.05	17.0	30	559cc0150
K 2.5 TPC	-	2.50	50 x 0.250	8.21	1.95	2.58	± 0.05	28.0	42	559cc0250
K 4 TPC	-	4.00	56 x 0.300	5.09	2.48	3.13	± 0.05	42.0	59	559cc0400
K 6 TPC	-	6.00	84 x 0.300	3.39	2.92	3.83	± 0.05	62.0	77	559cc0600

Application

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- Low smoke generation: IEC 61034-2
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- In accordance with: NEMA HP-4

K

FEP NEMA HP-4 600V AC -65°C / +200°C

Construction

Wire	Silver Plated Copper (SPC)	Insulation	FEP	Voltage	600/1000V AC U_0/U
				Test voltage	3400V AC

Colour (cc)	00 Black	11 Brown	22 Red	33 Orange	44 Yellow	55 Green	66 Blue	77 Violet	88 Grey	99 White	29 Pink	89 Clear

Description	Size		Conductor			Finished Core			Electrical	Article Number
	AWG	CSA mm²	stranding	resistance Ω/km	wire Ø	core Ø	tolerance	weight g/m	amps at 40°C	
K 3201	32	0.03	1 x 0.203	584.00	0.20	0.71	± 0.10	1.1	3	562cc3201
K 3207		0.03	7 x 0.079	597.10	0.24	0.76	± 0.10	1.2		562cc3207
K 3219		0.04	19 x 0.051	554.50	0.24	0.76	± 0.10	1.3		562cc3219
K 3001	30	0.05	1 x 0.254	374.00	0.25	0.76	± 0.10	1.3	4	562cc3001
K 3007		0.06	7 x 0.102	354.30	0.30	0.81	± 0.10	1.5		562cc3007
K 3019		0.06	19 x 0.064	347.80	0.30	0.81	± 0.10	1.5		562cc3019
K 2801	28	0.08	1 x 0.320	232.30	0.32	0.84	± 0.10	1.7	5	562cc2801
K 2807		0.09	7 x 0.127	223.80	0.38	0.89	± 0.10	2.0		562cc2807
K 2819		0.09	19 x 0.079	222.10	0.37	0.89	± 0.10	2.0		562cc2819
K 2601	26	0.13	1 x 0.404	146.00	0.40	0.91	+ 0.11 - 0.10	2.3	7	562cc2601
K 2607		0.14	7 x 0.160	139.80	0.48	0.99	± 0.10	2.7		562cc2607
K 2619		0.15	19 x 0.102	131.60	0.48	0.99	± 0.10	2.8		562cc2619
K 2401	24	0.20	1 x 0.511	89.20	0.51	1.02	+ 0.10 - 0.11	3.1	10	562cc2401
K 2407		0.23	7 x 0.203	86.00	0.60	1.12	± 0.10	3.7		562cc2407
K 2419		0.24	19 x 0.127	83.30	0.60	1.12	± 0.10	3.9		562cc2419
K 2201	22	0.32	1 x 0.643	56.40	0.64	1.16	+ 0.11 - 0.12	4.4	14	562cc2201
K 2207		0.35	7 x 0.254	54.80	0.76	1.27	± 0.10	5.2		562cc2207
K 2219		0.38	19 x 0.160	52.20	0.76	1.27	± 0.10	5.5		562cc2219
K 2001	20	0.52	1 x 0.813	35.10	0.81	1.32	± 0.10	6.5	19	562cc2001
K 2007		0.56	7 x 0.320	34.10	0.96	1.47	± 0.10	7.5		562cc2007
K 2019		0.62	19 x 0.203	32.00	0.96	1.47	± 0.10	8.1		562cc2019
K 1801	18	0.82	1 x 1.024	22.20	1.02	1.55	± 0.13	9.6	27	562cc1801
K 1807		0.90	7 x 0.404	21.50	1.21	1.75	+ 0.13 - 0.12	11.1		562cc1807
K 1819		0.96	19 x 0.254	20.40	1.20	1.75	+ 0.13 - 0.12	11.4		562cc1819
K 1601	16	1.31	1 x 1.290	14.00	1.29	1.88	± 0.18	14.7	32	562cc1601
K 1619		1.23	19 x 0.287	15.80	1.36	2.03	± 0.18	14.8		562cc1619
K 1419	14	1.94	19 x 0.361	10.00	1.71	2.41	+ 0.18 - 0.17	22.3	43	562cc1419
K 1219	12	3.08	19 x 0.455	6.30	2.15	2.90	+ 0.17 - 0.18	34.0	59	562cc1219
K 1237		2.98	37 x 0.320	6.59	2.24	2.84	+ 0.18 - 0.17	34.2		562cc1237
K 1037	10	4.74	37 x 0.404	4.13	2.82	3.40	+ 0.18 - 0.17	50.7	81	562cc1037
K 8133	8	8.61	133 x 0.287	2.30	4.10	4.88	+ 0.17 - 0.18	90.7	129	562cc8133

Application

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K 0.5	-	0.50	19 x 0.185	40.10	0.88	1.45	± 0.05	7.0	17	562cc1950
K 0.75	-	0.75	19 x 0.225	26.70	1.13	1.65	± 0.05	10.0	22	562cc1975
K 1.0	-	1.00	32 x 0.200	20.00	1.20	1.80	± 0.05	13.0	27	562cc0100
K 1.5	-	1.50	30 x 0.250	13.70	1.50	2.08	± 0.05	17.0	35	562cc0150
K 2.5	-	2.50	50 x 0.250	8.21	1.95	2.58	± 0.05	28.0	50	562cc0250
K 4	-	4.00	56 x 0.300	5.09	2.48	3.13	± 0.05	42.0	70	562cc0400
K 6	-	6.00	84 x 0.300	3.39	2.92	3.83	± 0.05	62.0	92	562cc0600

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