

FEP / K TPC

FEP insulated cores, based on: NEMA HP-4
Intended for use as internal wiring of equipment
600 V AC

Order reference		Conductor				Finished wire				Electrical	
		Tin Plated Copper (TPC)				FEP			Weight	DC Resistance	DC Current rating In free air at 40°C
		Size	Stranding	Wire	Core	Tolerance					
Description	Article Number	AWG	mm ²	# x mm	Nom Ø	Nom Ø	Min Ø	Max Ø	Nom g/m	Max Ω/km	Amps
K 3201 TPC	559cc3201	32	0.03	1 x 0.203	0.20	0.71	0.61	0.81	1.1	584	4
K 3207 TPC	559cc3207		0.03	7 x 0.079	0.24	0.76	0.66	0.86	1.2	597	
K 3219 TPC	559cc3219		0.04	19 x 0.051	0.24	0.76	0.66	0.86	1.3	554	
K 3001 TPC	559cc3001	30	0.05	1 x 0.254	0.25	0.76	0.66	0.86	1.3	374	5
K 3007 TPC	559cc3007		0.06	7 x 0.102	0.30	0.81	0.71	0.91	1.5	354	
K 3019 TPC	559cc3019		0.06	19 x 0.064	0.30	0.81	0.71	0.91	1.5	347	
K 2801 TPC	559cc2801	28	0.08	1 x 0.320	0.32	0.84	0.74	0.94	1.7	232	7
K 2807 TPC	559cc2807		0.09	7 x 0.127	0.38	0.89	0.79	0.99	2.0	223	
K 2819 TPC	559cc2819		0.09	19 x 0.079	0.37	0.89	0.79	0.99	2.0	222	
K 2601 TPC	559cc2601	26	0.13	1 x 0.404	0.40	0.91	0.81	1.02	2.3	146	9
K 2607 TPC	559cc2607		0.14	7 x 0.160	0.48	0.99	0.89	1.09	2.7	139	
K 2619 TPC	559cc2619		0.15	19 x 0.102	0.48	0.99	0.89	1.09	2.8	131	
K 2401 TPC	559cc2401	24	0.20	1 x 0.511	0.51	1.02	0.92	1.13	3.1	89.2	12
K 2407 TPC	559cc2407		0.23	7 x 0.203	0.60	1.12	1.02	1.22	3.7	86.0	
K 2419 TPC	559cc2419		0.24	19 x 0.127	0.60	1.12	1.02	1.22	3.9	83.3	
K 0,25 TPC	559cc0025	-	0.25	14 x 0.15	0.66	1.15	1.10	1.20	4.0	76.9	14
K 2201 TPC	559cc2201	22	0.32	1 x 0.643	0.64	1.16	1.04	1.27	4.4	56.4	16
K 2207 TPC	559cc2207		0.35	7 x 0.254	0.76	1.27	1.17	1.37	5.2	54.8	
K 2219 TPC	559cc2219		0.38	19 x 0.160	0.76	1.27	1.17	1.37	5.5	52.2	
K 0,5 TPC	559cc0050	-	0.50	19 x 0.185	0.88	1.45	1.40	1.50	7.0	40.1	21
K 2001 TPC	559cc2001	20	0.52	1 x 0.813	0.81	1.32	1.22	1.42	6.5	35.1	21
K 2007 TPC	559cc2007		0.56	7 x 0.320	0.96	1.47	1.37	1.57	7.5	34.1	
K 2019 TPC	559cc2019		0.62	19 x 0.203	0.96	1.47	1.37	1.57	8.1	32.0	
K 0,75 TPC	559cc0075	-	0.75	24 x 0.20	1.13	1.65	1.60	1.70	10.0	26.7	28
K 1801 TPC	559cc1801	18	0.82	1 x 1.024	1.02	1.55	1.42	1.68	9.6	22.2	28
K 1807 TPC	559cc1807		0.90	7 x 0.404	1.21	1.75	1.63	1.88	11.1	21.5	
K 1819 TPC	559cc1819		0.96	19 x 0.254	1.20	1.75	1.63	1.88	11.4	20.4	
K 1,0 TPC	559cc0100	-	1.00	32 x 0.20	1.20	1.80	1.75	1.85	13.0	20.0	33
K 1601 TPC	559cc1601	16	1.31	1 x 1.290	1.29	1.88	1.70	2.06	14.7	14.0	37
K 1619 TPC	559cc1619		1.23	19 x 0.287	1.36	2.03	1.85	2.21	14.8	15.8	
K 1,5 TPC	559cc0150	-	1.50	30 x 0.25	1.50	2.08	2.03	2.13	17.0	13.7	41

Core identification: Replace 'cc' in the article number with 2 digits below to select from available colours

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

Marking Not applicable

Characteristics and key properties

CE	UK CA	RoHS REACH LVD	Current rating IEC 60287	Fluid resistant Fuel Oil Water	Flame resistant	Smoke free	MBR Fixed = 5x Ø Flexing = 10x Ø	
Complies with NEMA HP-4						Temp low -65°C	Temp >20,000 hrs +150°C	Temp peak +180°C

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K 1419 TPC	559cc1419	14	1.94	19 x 0.361	1.71	2.41	2.24	2.59	22.3	10.0	49
K 2,5 TPC	559cc0250	-	2.50	50 x 0.25	1.95	2.58	2.53	2.63	28.0	8.21	57
K 1219 TPC	559cc1219	12	3.08	19 x 0.455	2.15	2.90	2.72	3.07	34.0	6.30	65
K 1237 TPC	559cc1237		2.98	37 x 0.320	2.24	2.84	2.67	3.02	34.2	6.59	
K 4 TPC	559cc0400	-	4.00	56 x 0.30	2.48	3.13	3.08	3.18	42.0	5.09	77
K 1037 TPC	559cc1037	10	4.74	37 x 0.404	2.82	3.40	3.23	3.58	50.7	4.13	88
K 6 TPC	559cc0600	-	6.00	84 x 0.30	2.92	3.83	3.78	3.88	62.0	3.39	101
K 8133 TPC	559cc8133	8	8.61	133 x 0.287	4.10	4.88	4.71	5.05	90.7	2.30	132

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