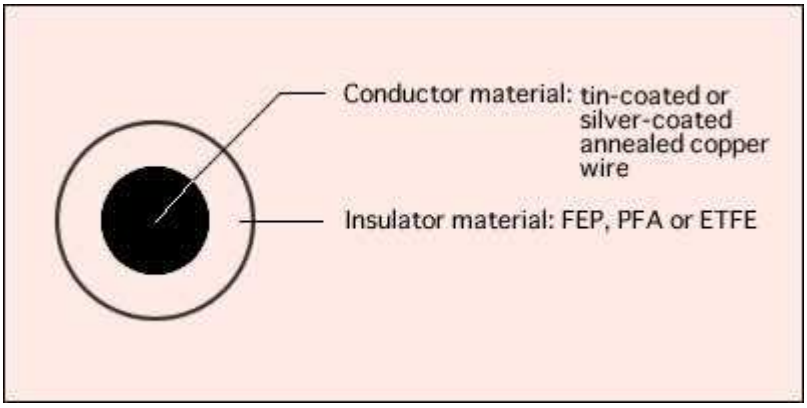
"I-Flon" FEP, PFA and ETFE-insulated hook-up wires

"I-Flon" ETFE-insulated hook-up wire is made of tin-coated annealed copper wires or silver-coated annealed copper wires and coated with fluorocarbon-resin. There are three types using different fluorocarbon-resins, ETFE, FEP and PFA, and the maximum operating temperatures are 150℃, 200℃ and 260℃ respectively. Each type has three levels of rating at 250V, 600V and 1000V respectively.



Construction	
Conductor	Annealed copper wire for electrical purposes (corresponding with JIS C 3102) is coated with tin or silver. Nickel-coated annealed copper wire, bare annealed copper wire, oxygen-free copper wire or alloy copper wire also can be a conductor.
Insulator	Conductor is coated with fluorocarbon-resin EFFE, FEP, or PFA evenly with thickness shown in below table to make an insulator. Please specify the type of insulator when you order.
Color	Eleven colors are available: natural, black, white, red, green, yellow, brown, blue, gray, orange and purple.
Application	Widely used as hook-up wires of equipments that require resistance to heat, cold, chemical, and weather, or non-flammability. Example: PC, telecommunication/broadcasting, measuring and control equipments, and other electronic/electrical equipments.

table

Parts No.			Conductor					Insulation					
250V	600V	1000V	Sectional area mom.	Construction No. of wires/Dia. of elemental wire	OD	Sectional area mom.	Conductor resistance	250V		600V		1000V	
								Thickness	OD	Thickness	OD	Thickness	OD
			mm2	No. of wires /mm	mm	mm2	Ω/Km	mm	mm	mm	mm	mm	mm
K□01049	-	-	-	1/0.16	0.16	0.0201	959	0.12	0.40	-	-	-	-
K□01057	K□02057	K□03057	-	1/0.2	0.2	0.0314	614	0.15	0.50	0.25	0.70	0.40	1.00
K□01065	K□02065	K□03065	-	1/0.26	0.26	0.0531	359	0.15	0.56	0.25	0.76	0.40	1.06
K□01073	K□02073	K□03073	-	1/0.32	0.32	0.0804	237	0.20	0.72	0.30	0.92	0.40	1.12
K□01081	K□02081	K□03081	-	1/0.40	0.40	0.126	152	0.20	0.80	0.30	1.00	0.40	1.20
K□01085	K□02085	K□03085	-	1/0.45	0.45	0.159	120	0.20	0.85	0.30	1.05	0.40	1.25
K□01089	K□02089	K□03089	-	1/0.50	0.50	0.196	95.1	0.20	0.90	0.30	1.10	0.40	1.30
K□01095	K□02095	K□03095	-	1/0.60	0.60	0.283	66.1	0.20	1.00	0.30	1.20	0.40	1.40
K□01105	K□02105	K□03105	-	1/0.80	0.80	0.503	37.2	0.20	1.20	0.30	1.40	0.40	1.60

K□01113	K□02113	K□03113	–	1/1.0	1.0	0.785	23.8	0.20	1.4	0.30	1.6	0.40	1.8
K□01119	K□02119	K□03119	–	1/1.2	1.2	1.13	16.5	0.20	1.6	0.30	1.8	0.40	2.0
K□01125	K□02125	K□03125	–	1/1.4	1.4	1.54	12.1	0.20	1.8	0.30	2.0	0.40	2.2
K□01131	K□02131	K□03131	–	1/1.6	1.6	2.01	9.2	0.20	2.0	0.30	2.2	0.40	2.4
K□01137	K□02137	K□03137	–	1/1.8	1.8	2.54	7.3	0.20	2.2	0.30	2.4	0.40	2.6
K□01317	K□02317	K□03317	–	7/0.08	0.24	0.0352	565	0.15	0.54	0.25	0.74	0.40	1.04
K□01323	K□02323	K□03323	–	7/0.10	0.30	0.0550	358	0.15	0.60	0.25	0.80	0.40	1.10
K□01329	K□02329	K□03329	–	7/0.12	0.36	0.0792	248	0.15	0.66	0.25	0.86	0.40	1.16
K□01337	K□02337	K□03337	–	7/0.16	0.48	0.0141	140	0.15	0.78	0.25	0.98	0.40	1.28
K□01349	K□02349	K□03349	0.2	7/0.20	0.60	0.220	89.4	0.15	0.90	0.25	1.10	0.40	1.40
K□01359	K□02359	K□03359	0.3	12/0.18	0.72	0.305	64.4	0.15	1.02	0.25	1.22	0.40	1.52
K□01365	K□02365	K□03365	0.4	7/0.26	0.78	0.372	52.4	0.15	1.08	0.25	1.28	0.40	1.58
K□01375	K□02375	K□03375	0.5	19/0.18	0.90	0.483	40.7	0.15	1.20	0.25	1.40	0.40	1.70
K□01383	K□02383	K□03383	0.5	7/0.32	0.96	0.563	34.6	0.15	1.26	0.25	1.46	0.40	1.76
K□01391	K□02391	K□03391	0.75	30/0.18	1.15	0.763	25.8	0.15	1.55	0.30	1.75	0.40	1.95
K□01415	K□02415	K□03415	1.25	50/0.18	1.48	1.27	15.5	0.15	1.88	0.30	2.08	0.40	2.28
–	K□02433	K□03433	2	37/0.26	1.8	1.96	9.91	–	–	0.30	2.4	0.40	2.6
–	K□02451	K□03451	3.5	45/0.32	2.5	3.62	5.37	–	–	0.30	3.1	0.40	3.3
–	K□02465	K□03465	5.5	35/0.45	3.1	5.57	3.50	–	–	0.30	3.7	0.40	3.9

*Fill in □ with a number of wires stranded FEP=F・PFA=P・ETFE=A