

LFP-101

LEAD WIRE

FEP INSULATED - 200°C



JSS 51034, MIL 16878-E

Voltage Grade : 250/600/1000V

SPECIFICATIONS

Conductor : Solid, Multistrand, Copper Material (Bare Copper, NPC, SPC, TPC)
 Insulation : Extruded FEP Insulated
 Voltage Rating : Up to 1.0 KV
 Operating Temp. : 200°C
 Color Code : As per Customer Requirement

FEATURES

- ✓ Max. Temp. Up to 200°C
- ✓ Uniform Diameter
- ✓ Smooth Surface
- ✓ Strong Bonding Between Insulation & Core Conductor
- ✓ Low Dielectric Constant
- ✓ Easy Stripping
- ✓ Can be Produce in Continuous Length

AVAILABLE OPTIONS

- ✓ Available in Different colors
- ✓ 250 V / 600 V / 1000 V as per Customer Requirement
- ✓ Metal Covering
- ✓ Fiber Braiding

CONSTRUCTION DETAILS AND DIMENSIONS

S.No.	Size	Number of Strands/Dia of each Strand		Dia of Conductor	Cross Sectional Area	ET 250 V		E 600 V		EE 1000 V		Max Res. OHMS /KM at 20°C	Current Rating (amps)	Max weight/m/mtr
						OD of insulation		OD of insulation		OD of insulation				
						Min (mm)	Max. (mm)	Min (mm)	Max. (mm)	Min (mm)	Max. (mm)			
LFP101	30	7/38	7/0.10	0.31	0.055	-	-	0.72	0.93	0.97	1.17	330	1	2.69
LFP102	28	1/28	7/0.32	0.32	0.08	-	-	0.73	0.94	0.98	1.18	223	2.1	2.95
LFP103	28	7/36	7/0.13	0.38	0.093	-	-	0.79	1	1.04	1.24	209	2.1	3.24
LFP104	26	1/26	1/0.40	0.4	0.125	-	-	0.81	1.02	1.06	1.26	140	3	3.59
LFP105	26	7/34	7/0.16	0.48	0.14	-	-	0.89	1.1	1.14	1.34	132	3	3.96
LFP106	26	19/38	19/0.10	0.51	0.149	-	-	0.92	1.13	1.17	1.37	125	3	4.13
LFP107	24	1/24	1/0.51	0.51	0.204	-	-	0.92	1.13	1.17	1.37	87	4	4.63
LFP108	24	7/32	7/0.20	0.61	0.219	-	-	1.02	1.23	1.27	1.47	82	4	5.06
LFP109	24	19/36	19/0.13	0.64	0.252	-	-	1.05	1.26	1.3	1.5	79	4	5.45
LFP110	22	1/22	1/0.64	0.64	0.321	-	-	1.05	1.26	1.3	1.5	55	7.3	6.07
LFP111	22	7/30	7/0.25	0.76	0.343	-	-	1.17	1.38	1.42	1.62	52	7.3	6.62
LFP112	22	19/34	19/0.16	0.81	0.382	-	-	1.22	1.43	1.47	1.67	49	7.3	7.12
LFP113	20	1/20	1/0.81	0.81	0.515	-	-	1.22	1.43	1.47	1.67	34	11	8.32
LFP114	20	7/28	7/0.32	0.97	0.562	-	-	1.38	1.59	1.63	1.83	32	11	9.22
LFP115	20	19/32	19/0.20	1.02	0.596	-	-	1.43	1.64	1.68	1.88	30	11	9.67
LFP116	18	7/26	7/0.40	1.22	0.879			1.63	1.92	1.88	2.08	20	16	12.81
LFP117	18	19/30	19/0.25	1.27	0.932			1.68	1.97	1.93	2.13	18	16	13.44
LFP118	16	19/29	19/0.29	1.45	1.254			1.86	2.15	2.11	2.45	14	22	18.02
LFP119	15	19/28	19/0.32	1.6	1.528			2.01	2.3	2.26	2.6	12	26	21.01
LFP120	14	19/27	19/0.36	1.83	1.933			2.24	2.53	2.49	2.83	9	32	25.44
LFP121	13	19/26	19/0.40	2	2.387			2.41	2.7	2.66	3	7	35	30.12
LFP122	12	19/25	19/0.45	2.31	3.021			2.72	3.01	2.97	3.31	5	41	36.89
LFP123	12	37/28	37/0.32	2.26	2.975			2.67	2.96	2.92	3.26	6	41	36.31
LFP124	11	19/24	19/0.50	2.5	3.73			2.91	3.2	3.16	3.5	4	45	43.93
LFP125	10	19/22	19/0.65	3.35	6.304			3.76	4.05	4.01	4.35	2	55	70.03
LFP126	10	37/26	37/0.4	2.82	4.649			3.23	3.52	3.48	3.82	3	50	53.31
LFP127	8	133/29	133/0.29	4.29	8.784					4.95	5.29	2	75	95.60
LFP128	6	133/27	133/0.36	5.8	13.537					6.46	6.8	1	100	143.59

LEAD WIRE ORDERING CODE FOR PTFE/FEP WIRE

ORDERING CODE			
Type Of Insulation	Conductor Size	Type Of Conductor	Color Code
(XXX)	(XXX)	(XXX)	(XX)
LT LFP	101 102 103 - - - - - - - 128	BC0 TPC NPC SPC	RE YE BR BL BK GR PU OR WH GN

Note :

Insulation Type	Type of Conductor	Color
LT (PTFE)	BC0 - (Bare Copper)	RE - (Red)
LFP (FEP)	TPC - (Tin Plated Copper)	YE - (Yellow)
	NPC - (Nickel Plated Copper)	BR - (Brown)
	SPC - (Silver Plated Copper)	BL - (Blue)
		BK - (Black)
		GR - (Grey)
		PU - (Purple)
		OR - (Orange)
		WH - (White)
		GN - (Green)

Example :

AWG 24/7/32 Tin Plated Copper FEP Insulated Black Color Lead Wire.

LFP - 108 - TPC - BK

Rev1