

Specifications of PTFE Wires (AS PER JSS 51034)

Table-4

Size AWG	Number of Strands / Dia of each Strand		Dia of Conductor (mm)	Cross Sectional area mm ²	ET 250 V		E 600 V		EE 1000 V		Max Resistance of Conductor OHMS/KM at 20°C	Current Rating (amps)
	AWG	(mm)			OD of Insulation		OD of Insulation		OD of Insulation			
					Min(mm)	Max(mm)	Min(mm)	Max(mm)	Min(mm)	Max(mm)		
32	7/40	7/0.08	0.25	0.035	0.50	0.60	0.66	0.86	0.91	1.11	567	0.7
30	1/30	7/0.25	0.25	0.049	0.50	0.60	0.66	0.86	0.91	1.11	354	1.0
30	7/38	7/0.10	0.31	0.055	0.55	0.66	0.71	0.91	0.96	1.16	330	1.0
28	1/28	7/0.32	0.32	0.080	0.58	0.68	0.73	0.93	0.99	1.19	223	2.1
28	7/36	7/0.13	0.38	0.093	0.63	0.73	0.78	0.99	1.04	1.24	209	2.1
26	1/26	7/0.40	0.40	0.125	0.66	0.76	0.81	1.01	1.06	1.27	140	3.0
26	7/34	7/0.16	0.48	0.140	0.73	0.83	0.88	1.09	1.14	1.34	132	3.0
26	19/38	19/0.10	0.51	0.149	0.73	0.83	0.88	1.09	1.14	1.34	125	3.0
24	1/24	7/0.51	0.51	0.204	0.76	0.86	0.91	1.11	1.16	1.37	87	4.0
24	7/32	7/0.20	0.61	0.219	0.86	0.96	1.01	1.21	1.27	1.47	82	4.0
24	19/36	19/0.13	0.64	0.252	0.86	0.96	1.01	1.21	1.27	1.47	79	4.0
22	1/22	7/0.64	0.64	0.321	0.88	1.01	1.04	1.27	1.29	1.52	55	7.3
22	7/30	7/0.25	0.76	0.343	1.01	1.11	1.16	1.37	1.42	1.62	52	7.3
22	19/34	19/0.16	0.81	0.382	1.01	1.11	1.16	1.37	1.42	1.52	49	7.3
20	1/20	7/0.81	0.81	0.515	1.06	1.16	1.21	1.42	1.47	1.67	34	11.0
20	7/28	7/0.32	0.97	0.562	1.21	1.32	1.37	1.57	1.62	1.82	32	11.0
20	19/32	19/0.20	1.02	0.596	1.21	1.32	1.37	1.57	1.62	1.82	30	11.0
18	7/26	7/0.40	1.22	0.879			1.63	1.87	1.87	2.13	20	16.0
18	19/30	19/0.25	1.27	0.932			1.63	1.87	1.87	2.13	18	16.0
16	19/29	19/0.29	1.45	1.254			1.85	2.20	2.10	2.41	14	22.0
15	19/28	19/0.32	1.60	1.528			1.98	2.28	2.26	2.54	12	26.0
14	19/27	19/0.36	1.83	1.933			2.23	2.59	2.48	2.89	9	32.0
13	19/26	19/0.40	2.00	2.387			2.43	2.74	2.66	3.02	7	35.0
12	19/25	19/0.45	2.31	3.021			2.71	3.07	2.97	3.37	5	41.0
12	37/28	37/0.32	2.26	2.975			2.66	3.02	2.92	3.32	6	41.0
11	19/24	19/0.50	2.50	3.730			2.99	3.30	3.20	3.58	4	45.0
10	19/22	19/0.65	3.25	6.304			3.73	4.03	3.96	4.34	2	55.0
10	37/26	37/0.4	2.82	4.649			3.22	3.58	3.47	3.88	3	50.0
8	133/29	133/0.29	4.29	8.784					5.05	5.56	2	75.0
6	133/27	133/0.36	5.41	13.537					6.42	6.93	1	100.0