

Technical Specification Of Various Standard Wires We Manufactures (As per JSS51034 & MIL-W-16878)

S. No.	Size in AWG	No. of strands/ dia of each strand (mm)	Current Rating (in Amps)		Parameters of conductor (Nominal) (As per JSS 51034)				Nominal Dia of Insulated Wire (mm)		
			30°C	200°C	Dia. (mm)	Cross section (sq. mm.)	Resistance ohm/km at 20° C	Elongation (Min)	ET (250 V) AC	E (600 V) AC	EE (1000 V) AC
1	32/7/40	7/0.08	2.5	6	0.24	0.034	570.9	5.5	0.56	0.74	1.00
2	30/1	1/0.25	2.5	6	0.25	0.051	356.4	9.0	0.56	0.75	1.00
3	30/7/38	7/0.1	3.5	6	0.30	0.057	332.3	5.5	0.61	0.81	1.07
4	28/7/36	7/0.13	3.5	8	0.38	0.089	210.5	5.5	0.69	0.89	1.14
5	28/1	1/0.32	4	8	0.32	0.081	224.4	9.0	0.63	0.84	1.09
6	26/1	1/0.4	4	10	0.40	0.128	140.9	9.0	0.71	0.90	1.15
7	26/7/34	7/0.16	4	10	0.48	0.141	133.7	9.0	0.79	0.99	1.24
8	26/19/38	19/0.1	4	10	0.50	0.154	126.7	5.5	0.79	0.99	1.24
9	24/1	1/0.5	6	15	0.50	0.205	88.4	15.5	0.81	1.00	1.25
10	24/7/32	7/0.2	6	15	0.60	0.227	83.2	9.0	0.91	1.12	1.37
11	24/19/36	19/0.13	6	15	0.63	0.241	80.2	9.0	0.91	1.12	1.37
12	22/1	1/0.65	7	18	0.65	0.324	56.1	20.0	0.95	1.15	1.40
13	22/7/30	7/0.25	7	18	0.75	0.355	52.5	13.5	1.07	1.27	1.52
14	22/19/34	19/0.16	7	18	0.80	0.382	49.8	9.0	1.07	1.27	1.52
15	20/1	1/0.8	8	22	0.80	0.517	34.7	20.0	1.10	1.30	1.53
16	20/7/28	7/0.32	8	22	0.97	0.563	33.0	13.5	1.27	1.47	1.73
17	20/19/32	19/0.2	8	22	1.00	0.616	30.3	9.0	1.27	1.47	1.73
18	18/37/34	37/0.16	10	35	1.14	0.743	23.68	13.5	-	1.64	1.85
19	18/1	1/1.03	10	35	1.03	0.835	21.8	20	-	1.53	1.73
20	18/7/26	7/0.4	10	35	1.20	0.897	20.7	13.5	-	1.75	2.00
21	18/19/30	19/0.25	10	35	1.25	0.963	19.1	13.5	-	1.75	2.00
22	16/7/24	7/0.50	13	45	1.50	1.428	12.32	13.5	-	2.00	2.30
23	16/19/29	19/0.29	13	45	1.45	1.229	14.9	13.5	-	2.03	2.25
24	16/37/32	37/0.20	13	45	1.40	1.200	15.0	13.5	-	2.00	2.20
25	15/19/28	19/0.32	15	50	1.60	1.527	12.5	13.5	-	2.15	2.40
26	14/19/27	19/0.36	25	60	1.83	1.941	9.50	13.5	-	2.42	2.69
27	14/37/30	37/0.25	25	60	1.75	1.889	10.0	13.5	-	2.35	2.60
28	13/19/26	19/0.4	30	75	2.00	2.386	7.80	13.5	-	2.60	2.85
29	13/37/29	37/0.29	30	75	2.05	2.442	7.65	13.5	-	2.65	2.90
30	12/19/25	19/0.45	35	90	2.25	3.085	6.00	13.5	-	2.90	3.17
31	12/37/28	37/0.32	35	90	2.24	2.974	6.50	13.5	-	2.85	3.12
32	11/19/24	19/0.5	40	100	2.50	3.729	5.00	13.5	-	3.15	3.40
33	11/37/27	37/0.36	40	100	2.52	3.764	4.95	13.5	-	3.20	3.42
34	10/37/26	37/0.4	45	110	2.82	4.740	3.90	13.5	-	3.40	3.68
35	10/19/22	19/0.65	50	120	3.20	6.302	3.00	13.5	-	3.80	4.10
36	09/133/29	133/0.29	75	180	4.35	8.980	2.20	13.5	-	-	5.35
37	8/133/28	133/0.29	85	210	4.37	10.590	1.66	13.5	-	-	5.40
38	6/133/27	133/0.36	100	240	5.41	13.589	1.40	13.5	-	-	6.68
39	05/133/26	133/0.4	130	310	6.00	17.222		13.5	-	-	7.00

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