

MIL-W-22759/16



CONDUCTOR: Stranded tinned copper.

TEMPERATURE: -55° C to 150° C.

VOLTAGE: 600 V

INSULATION: ETFE Tefzel®.

USES: Rugged with very good dielectric properties, medium weight. For use under conditions requiring very good thermal/cryogenic performance. Tefzel® is considered to be "self-extinguishing" and/or "nonburning" in both horizontal and vertical flammability tests.

Catalog No.	AWG Size	Stranding	Max. Resistance @ 20° C (@ 68° F)		Diameter (minimum - maximum)		Weight Maximum	
			(ohms / 1000 ft)	(ohms / km)	(in)	(mm)	(lbs / 1000 ft)	(kgs / km)
1090-30	24	19/36	26.2	86.0	0.043 - 0.047	1.09 - 1.19	2.57	3.82
1090-35	22	19/34	16.2	53.1	0.050 - 0.054	1.27 - 1.37	3.68	5.48
1090-40	20	19/32	9.88	32.4	0.058 - 0.062	1.47 - 1.57	5.36	7.98
1090-45	18	19/30	6.23	20.4	0.069 - 0.073	1.75 - 1.85	7.89	11.7
1090-50	16	19/29	4.81	15.8	0.077 - 0.081	1.96 - 2.06	9.95	14.8
1090-55	14	19/27	3.06	10.0	0.091 - 0.095	2.31 - 2.41	14.9	22.2
1090-60	12	37/28	2.02	6.63	0.111 - 0.117	2.82 - 2.97	22.6	33.6
1090-65	10	37/26	1.26	4.13	0.136 - 0.142	3.45 - 3.61	35.1	52.2
1090-70	8	133/29	0.701	2.30	0.196 - 0.202	4.98 - 5.13	63.5	94.5
1090-75	6	133/27	0.445	1.46	0.247 - 0.253	6.27 - 6.43	99.9	149
1090-80	4	133/25	0.280	0.92	0.308 - 0.316	7.82 - 8.03	157	234
1090-85	2	665/30	0.183	0.60	0.384 - 0.392	9.75 - 9.96	245	365
1090-90	1	817/30	0.149	0.49	0.426 - 0.436	10.8 - 11.1	314	467
1090-95	1/0	1,045/30	0.116	0.38	0.473 - 0.485	12.0 - 12.3	391	582
1090-100	2/0	1,330/30	0.091	0.30	0.539 - 0.553	13.7 - 14.0	504	750