

AWG	Conductor (Bare Copper)				Type 1			Type 2			Elongation Min. [%]	Resistance			Dielectric Strength*		1kg of enamelled wire length approx.		Filling Factor		Max. winding Tension [grams]
	Diameters			Section Area [mm²]	Min. Inc. Base coat [mm]	Min. Inc. Selfbonding Overcoat [mm]	Max. Diameter [mm]	Min. Inc. Base coat [mm]	Min. Inc. Selfbonding Overcoat [mm]	Max. Diameter [mm]		Min.	Nom.	Max.	Type 1 [V]	Type 2 [V]	Type 1 [km]	Type 2 [km]	Type 1 [wires/cm²]	Type 2 [wires/cm²]	
	Min. [mm]	Nom. [mm]	Max. [mm]																		
24.0	0.50500	0.51100	0.51300	0.205084	0.0254	0.0127	0.5766	0.0483	0.0127	0.6045	28	0.0818	0.0838	0.0859	2710	4870	0.525	0.515	347	316	1,438
25.0	0.45000	0.45500	0.45700	0.162597	0.0229	0.0127	0.5156	0.0457	0.0127	0.5436	28	0.1030	0.1058	0.1086	2640	4740	0.661	0.648	434	391	1,143
26.0	0.39900	0.40400	0.40600	0.128190	0.0229	0.0127	0.4623	0.0432	0.0127	0.4902	27	0.1303	0.1342	0.1380	2570	4620	0.835	0.816	540	481	903
27.0	0.35800	0.36100	0.36300	0.102354	0.0203	0.0127	0.4166	0.0406	0.0127	0.4394	27	0.1631	0.1671	0.1711	2500	4500	1.043	1.021	666	598	717
28.0	0.31800	0.32000	0.32300	0.080425	0.0203	0.0127	0.3734	0.0406	0.0127	0.3962	26	0.2068	0.2123	0.2178	2440	4380	1.321	1.290	828	736	567
29.0	0.28400	0.28700	0.29000	0.064692	0.0178	0.0102	0.3378	0.0381	0.0102	0.3607	26	0.2567	0.2640	0.2712	2380	4270	1.637	1.593	1,012	888	454
30.0	0.25100	0.25400	0.25700	0.050671	0.0178	0.0102	0.3023	0.0356	0.0102	0.3251	25	0.3270	0.3371	0.3472	2380	4220	2.081	2.018	1,264	1,093	358
31.0	0.22400	0.22600	0.22900	0.040115	0.0152	0.0102	0.2743	0.0330	0.0102	0.2921	24	0.4118	0.4256	0.4394	2040	3900	2.608	2.538	1,535	1,353	282
32.0	0.20100	0.20300	0.20600	0.032365	0.0152	0.0102	0.2489	0.0305	0.0102	0.2591	24	0.5084	0.5268	0.5452	2040	3570	3.219	3.164	1,864	1,720	228
33.0	0.17800	0.18000	0.18300	0.025447	0.0127	0.0102	0.2235	0.0279	0.0102	0.2413	23	0.6435	0.6689	0.6944	1700	3250	4.072	3.934	2,311	1,983	180
34.0	0.15700	0.16000	0.16300	0.020106	0.0127	0.0076	0.1981	0.0254	0.0076	0.2134	22	0.8144	0.8498	0.8852	1700	2920	5.160	4.991	2,942	2,537	142
35.0	0.14000	0.14200	0.14500	0.015837	0.0102	0.0076	0.1778	0.0229	0.0076	0.1930	21	1.0270	1.0760	1.1250	1360	2920	6.520	6.278	3,653	3,099	112
36.0	0.12400	0.12700	0.13000	0.012668	0.0102	0.0076	0.1600	0.0203	0.0076	0.1753	20	1.2830	1.3500	1.4170	1360	2600	8.129	7.791	4,510	3,760	89
37.0	0.11200	0.11400	0.11700	0.010207	0.0076	0.0076	0.1448	0.0203	0.0076	0.1575	20	1.5760	1.6670	1.7580	1360	2270	10.05	9.660	5,509	4,657	72
38.0	0.09900	0.10200	0.10400	0.008171	0.0076	0.0051	0.1295	0.0178	0.0051	0.1473	19	1.9840	2.1110	2.2370			12.56	11.80	6,882	5,321	57
39.0	0.08600	0.08900	0.09100	0.006221	0.0051	0.0051	0.1143	0.0152	0.0051	0.1270	18	2.5740	2.7590	2.9430			16.41	15.59	8,839	7,160	44
40.0	0.07600	0.07900	0.08100	0.004902	0.0051	0.0051	0.1016	0.0152	0.0051	0.1118	17	3.2580	3.5190	3.7810			20.82	19.88	11,187	9,246	34
41.0	0.06900	0.07100	0.07400	0.003959	0.0051	0.0051	0.0914	0.0127	0.0051	0.1016	17	3.9670	4.3170	4.6670			25.76	24.47	13,812	11,187	28
42.0	0.06100	0.06400	0.06600	0.003217	0.0051	0.0051	0.0813	0.0102	0.0051	0.0940	16	4.9350	5.4210	5.9070			31.90	29.70	17,480	13,075	22
43.0	0.05300	0.05600	0.05800	0.002463	0.0051	0.0025	0.0737	0.0102	0.0025	0.0838	15	6.3060	7.0110	7.7160			41.01	38.38	21,284	16,437	17
44.0	0.04800	0.05100	0.05300	0.0020428	0.0025	0.0025	0.0686	0.0102	0.0025	0.0762	14	7.5640	8.4950	9.4250			48.93	46.32	24,554	19,889	14
45.0		0.04470		0.0015696	0.00254	0.00254	0.05842	0.00762	0.00254	0.06477	11	10.105	10.985	11.864			64.54	61.31	33,837	27,528	11
46.0		0.03988		0.0012490	0.00254	0.00254	0.05334	0.00762	0.00254	0.05969	10	12.697	13.803	14.909			80.23	75.68	40,589	32,413	8.8
47.0		0.03556		0.0009931	0.00254	0.00254	0.04826	0.00762	0.00254	0.05334	8	15.972	17.360	18.748			100.2	95.06	49,584	40,589	7.0
48.0		0.03150		0.0007791	0.00254	0.00254	0.04318	0.00508	0.00254	0.04699	7	20.359	22.130	23.902			127.1	121.5	61,937	52,301	5.5
49.0		0.02819		0.0006243	0.00254	0.00254	0.03810	0.00508	0.00254	0.04318	6	25.408	27.616	29.824			159.7	149.4	79,555	61,937	4.4
50.0		0.02515		0.0004966	0.00254	0.00254	0.03556	0.00508	0.00254	0.04064	5	31.937	34.713	37.502			196.3	181.8	91,326	69,921	3.5
51.0		0.02235		0.0003924	0.00254	0.00254	0.03302					40.422	43.933	47.443			242.7		105,916		2.8
52.0		0.01981		0.0003083	0.00254	0.00127	0.02921					51.479	55.941	60.403			309.2		135,349		2.2

*Voltage minimums based upon testing according to twisted pair method.