

Weight & Dimension Data

300/500 VOLTS, SINGLE AND MULTI PAIR, STR. COPPER, PVC/PE INSULATED ALUMINIUM MYLAR TAPED OVERALL SHIELDED, ARMoured AND UNARMoured INSTRUMENTATION CABLES GENERALLY AS PER IS

Area of conductor	No of pair	Minimum thickness of insulation	ARMoured CABLES						UNARMoured CABLES				Normal Drum Length with $\pm 5\%$
			Minimum thickness of inner sheath	Dimension of G.I. armour (wire/strip)	Minimum thickness of outer sheath	Nominal overall diameter	Approx. weight of cable - PE insulation	Approx. weight of cable - PVC insulation	Nominal thickness of outer sheath	Nominal overall diameter	Approx. weight of cable - PE insulation	Approx. weight of cable - PVC insulation	
mm ²		mm	mm	mm	mm	mm	kg/km	kg/km	mm	mm	kg/km	kg/km	m
0.5	1	0.44	0.3	0.9	1.24	10.1	185	190	1.8	8.2	76	79	1000
0.5	2	0.44	0.3	0.9	1.24	12.8	270	275	1.8	10.9	115	120	1000
0.5	4	0.44	0.3	0.9	1.24	14.2	330	345	1.8	12.3	155	170	1000
0.5	5	0.44	0.3	0.9	1.24	15.2	365	380	1.8	13.3	180	195	1000
0.5	6	0.44	0.3	0.9	1.24	16.2	405	425	1.8	14.3	205	220	1000
0.5	8	0.44	0.3	0.9	1.24	17.8	475	500	1.8	15.9	245	270	1000
0.5	10	0.44	0.3	0.9	1.24	19.7	550	580	1.8	17.8	290	320	1000
0.5	12	0.44	0.3	0.9	1.24	20.2	590	630	1.8	18.3	325	360	1000
0.5	16	0.44	0.3	4.0 x 0.8	1.40	22.2	730	780	1.8	20.2	395	445	1000
0.5	18	0.44	0.3	4.0 x 0.8	1.40	23.3	790	850	1.8	21.2	435	490	1000
0.5	19	0.44	0.3	4.0 x 0.8	1.40	23.3	810	870	1.8	21.2	445	510	1000
0.5	20	0.44	0.3	4.0 x 0.8	1.40	24.4	830	890	2.0	22.8	495	560	1000
0.5	24	0.44	0.3	4.0 x 0.8	1.40	26.7	960	1040	2.0	25.1	570	650	1000
0.5	30	0.44	0.3	4.0 x 0.8	1.40	28.1	1080	1180	2.0	26.5	670	760	1000
0.5	37	0.44	0.3	4.0 x 0.8	1.40	30.2	1220	1340	2.0	28.5	790	900	500/1000
0.75	1	0.44	0.3	0.9	1.24	10.5	200	205	1.8	8.6	86	89	1000
0.75	2	0.44	0.3	0.9	1.24	13.5	290	300	1.8	11.6	135	140	1000
0.75	4	0.44	0.3	0.9	1.24	15.1	375	385	1.8	13.2	185	200	1000
0.75	5	0.44	0.3	0.9	1.24	16.1	420	435	1.8	14.2	215	235	1000
0.75	6	0.44	0.3	0.9	1.24	17.3	465	485	1.8	15.4	245	265	1000
0.75	8	0.44	0.3	0.9	1.24	19.0	550	580	1.8	17.1	300	330	1000
0.75	10	0.44	0.3	4.0 x 0.8	1.40	21.2	660	700	1.8	19.2	355	395	1000
0.75	12	0.44	0.3	4.0 x 0.8	1.40	21.8	730	780	1.8	19.8	400	445	1000
0.75	16	0.44	0.3	4.0 x 0.8	1.40	23.9	860	910	2.0	22.2	520	580	1000
0.75	18	0.44	0.3	4.0 x 0.8	1.40	25.0	930	1000	2.0	23.4	570	630	1000
0.75	19	0.44	0.3	4.0 x 0.8	1.40	25.0	950	1020	2.0	23.4	590	660	1000
0.75	20	0.44	0.3	4.0 x 0.8	1.40	26.2	980	1060	2.0	24.6	620	690	1000
0.75	24	0.44	0.3	4.0 x 0.8	1.40	28.8	1140	1220	2.0	27.2	720	810	1000
0.75	30	0.44	0.3	4.0 x 0.8	1.40	30.3	1290	1400	2.0	28.7	850	960	500/1000
0.75	37	0.44	0.3	4.0 x 0.8	1.4	32.6	1500	1630	2.0	31.0	1010	1140	500/1000
1.0	1	0.44	0.3	0.9	1.24	10.9	215	220	1.8	9.0	95	99	1000
1.0	2	0.44	0.3	0.9	1.24	14.1	320	330	1.8	12.2	150	160	1000
1.0	4	0.44	0.3	0.9	1.24	15.8	415	430	1.8	13.9	215	230	1000
1.0	5	0.44	0.3	0.9	1.24	16.9	465	485	1.8	15.0	250	270	1000
1.0	6	0.44	0.3	0.9	1.24	18.1	520	550	1.8	16.3	290	310	1000
1.0	8	0.44	0.3	0.9	1.24	20.0	620	650	1.8	18.1	355	390	1000
1.0	10	0.44	0.3	4.0 x 0.8	1.40	22.4	760	800	1.8	20.3	425	465	1000
1.0	12	0.44	0.3	4.0 x 0.8	1.40	23.0	820	870	1.8	21.0	485	530	1000