

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

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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
1.0	16	0.44	0.3	4.0 x 0.8	1.40	25.2	990	1050	2.0	23.6	630	690	1000
1.0	18	0.44	0.3	4.0 x 0.8	1.40	26.5	1080	1150	2.0	24.9	690	760	1000
1.0	19	0.44	0.3	4.0 x 0.8	1.40	26.5	1100	1180	2.0	24.9	710	790	1000
1.0	20	0.44	0.3	4.0 x 0.8	1.40	27.8	1140	1220	2.0	26.2	750	830	1000
1.0	24	0.44	0.3	4.0 x 0.8	1.40	30.6	1320	1420	2.0	28.9	880	980	500/1000
1.0	30	0.44	0.3	4.0 x 0.8	1.40	32.2	1510	1630	2.0	30.6	1050	1170	500/1000
1.0	37	0.44	0.3	4.0 x 0.8	1.56	34.9	1790	1940	2.0	33.0	1250	1400	500/1000
1.5	1	0.44	0.3	0.9	1.24	11.5	240	245	1.8	9.6	110	115	1000
1.5	2	0.44	0.3	0.9	1.24	15.0	365	375	1.8	13.2	180	185	1000
1.5	4	0.44	0.3	0.9	1.24	17.0	485	500	1.8	15.1	265	285	1000
1.5	5	0.44	0.3	0.9	1.24	18.2	550	570	1.8	16.4	310	335	1000
1.5	6	0.44	0.3	0.9	1.24	19.6	620	640	1.8	17.7	360	385	1000
1.5	8	0.44	0.3	4.0 x 0.8	1.40	21.8	780	820	1.8	19.8	450	485	1000
1.5	10	0.44	0.3	4.0 x 0.8	1.40	24.4	900	950	2.0	22.7	560	610	1000
1.5	16	0.44	0.3	4.0 x 0.8	1.40	27.6	1190	1260	2.0	25.9	800	880	1000
1.5	18	0.44	0.3	4.0 x 0.8	1.40	28.9	1300	1380	2.0	27.3	890	970	1000
1.5	19	0.44	0.3	4.0 x 0.8	1.40	28.9	1330	1420	2.0	27.3	920	1010	1000
1.5	20	0.44	0.3	4.0 x 0.8	1.40	30.4	1410	1500	2.0	28.8	970	1060	500/1000
1.5	24	0.44	0.3	4.0 x 0.8	1.56	33.8	1650	1760	2.0	31.9	1140	1250	500/1000
1.5	30	0.44	0.3	4.0 x 0.8	1.56	35.7	1900	2040	2.0	33.8	1370	1500	500
1.5	37	0.44	0.4	4.0 x 0.8	1.56	38.6	2240	2410	2.2	36.9	1670	1840	500
2.5	1	0.53	0.3	0.9	1.24	12.7	290	295	1.8	10.8	140	150	1000
2.5	2	0.53	0.3	0.9	1.24	17.0	455	470	1.8	15.2	235	250	1000
2.5	4	0.53	0.3	0.9	1.24	19.4	620	650	1.8	17.5	365	395	1000
2.5	5	0.53	0.3	4.0 x 0.8	1.40	21.1	740	780	1.8	19.1	435	470	1000
2.5	6	0.53	0.3	4.0 x 0.8	1.40	22.8	840	880	1.8	20.7	510	550	1000
2.5	8	0.53	0.3	4.0 x 0.8	1.40	25.3	1020	1080	2.0	23.7	660	710	1000
2.5	10	0.53	0.3	4.0 x 0.8	1.40	28.4	1210	1280	2.0	26.7	800	870	1000
2.5	12	0.53	0.3	4.0 x 0.8	1.40	29.3	1330	1410	2.0	27.6	920	1000	1000
2.5	16	0.53	0.3	4.0 x 0.8	1.56	32.6	1650	1760	2.0	30.6	1170	1270	500/1000
2.5	18	0.53	0.3	4.0 x 0.8	1.56	34.2	1800	1920	2.0	32.3	1290	1410	500/1000
2.5	19	0.53	0.3	4.0 x 0.8	1.56	34.2	1860	1990	2.0	32.3	1350	1470	500/1000
2.5	20	0.53	0.4	4.0 x 0.8	1.56	36.3	2000	2130	2.2	34.6	1450	1590	500
2.5	24	0.53	0.4	4.0 x 0.8	1.56	40.0	2310	2470	2.2	38.3	1710	1870	500
2.5	30	0.53	0.4	4.0 x 0.8	1.56	42.3	2710	2910	2.2	40.6	2060	2260	500
2.5	37	0.53	0.4	4.0 x 0.8	1.72	45.9	3220	3460	2.2	43.9	2480	2730	500

For Cables of sizes or pairs not listed above the product data is available on request
Larger Drum Lengths are possible against specific requirements on request

• Dimensions & Weights are representative figures and may vary