

Weight & Dimension Data



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

Area of conductor	No of triad	Minimum thickness of insulation	ARMoured CABLES						UNARMoured CABLES				Normal Drum Length with ± 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	10.4	200	205	1.8	8.6	86	91	1000
0.5	2	0.44	0.3	0.9	1.24	13.7	305	315	1.8	11.9	140	150	1000
0.5	4	0.44	0.3	0.9	1.24	15.4	385	405	1.8	13.5	195	215	1000
0.5	5	0.44	0.3	0.9	1.24	16.5	435	460	1.8	14.6	225	250	1000
0.5	6	0.44	0.3	0.9	1.24	17.7	490	520	1.8	15.8	260	285	1000
0.5	8	0.44	0.3	0.9	1.24	19.4	570	610	1.8	17.6	315	355	1000
0.5	10	0.44	0.3	4.0 x 0.8	1.40	21.8	710	760	1.8	19.7	375	425	1000
0.5	12	0.44	0.3	4.0 x 0.8	1.40	22.4	760	810	1.8	20.4	425	480	1000
0.5	14	0.44	0.3	4.0 x 0.8	1.40	23.4	830	900	1.8	21.3	475	540	1000
0.5	16	0.44	0.3	4.0 x 0.8	1.40	24.5	890	960	2.0	22.9	550	630	1000
0.5	19	0.44	0.3	4.0 x 0.8	1.40	25.7	990	1080	2.0	24.1	620	710	1000
0.5	20	0.44	0.3	4.0 x 0.8	1.40	27.0	1050	1140	2.0	25.4	660	750	1000
0.5	24	0.44	0.3	4.0 x 0.8	1.40	29.6	1210	1320	2.0	28.0	770	880	1000
0.5	30	0.44	0.3	4.0 x 0.8	1.40	31.2	1370	1510	2.0	29.6	910	1050	500/1000
0.5	37	0.44	0.3	4.0 x 0.8	1.56	33.8	1590	1760	2.0	31.9	1080	1250	500/1000
0.75	1	0.44	0.3	0.9	1.24	10.9	220	225	1.8	9.0	99	105	1000
0.75	2	0.44	0.3	0.9	1.24	14.5	345	355	1.8	12.6	160	175	1000
0.75	4	0.44	0.3	0.9	1.24	16.3	445	465	1.8	14.5	235	260	1000
0.75	5	0.44	0.3	0.9	1.24	17.5	500	530	1.8	15.7	275	305	1000
0.75	6	0.44	0.3	0.9	1.24	18.8	560	600	1.8	17.0	315	350	1000
0.75	8	0.44	0.3	4.0 x 0.8	1.24	20.6	680	730	1.8	18.9	395	435	1000
0.75	10	0.44	0.3	4.0 x 0.8	1.40	23.3	830	890	1.8	21.3	475	530	1000
0.75	12	0.44	0.3	4.0 x 0.8	1.40	24.0	900	960	2.0	22.4	560	620	1000
0.75	14	0.44	0.3	4.0 x 0.8	1.40	25.1	990	1070	2.0	23.5	630	700	1000
0.75	16	0.44	0.3	4.0 x 0.8	1.40	26.3	1090	1170	2.0	24.7	700	780	1000
0.75	19	0.44	0.3	4.0 x 0.8	1.40	27.6	1190	1290	2.0	26.0	800	900	1000
0.75	20	0.44	0.3	4.0 x 0.8	1.40	29.1	1250	1360	2.0	27.4	840	950	1000
0.75	24	0.44	0.3	4.0 x 0.8	1.40	32.0	1450	1580	2.0	30.3	990	1120	500/1000
0.75	30	0.44	0.3	4.0 x 0.8	1.56	34.0	1690	1850	2.0	32.1	1180	1340	500/1000
0.75	37	0.44	0.4	4.0 x 0.8	1.56	36.8	1980	2180	2.2	35.1	1440	1640	500
1.0	1	0.44	0.3	0.9	1.24	11.3	240	245	1.8	9.4	110	115	1000
1.0	2	0.44	0.3	0.9	1.24	15.2	380	390	1.8	13.3	185	200	1000
1.0	4	0.44	0.3	0.9	1.24	17.2	500	520	1.8	15.3	280	305	1000
1.0	5	0.44	0.3	0.9	1.24	18.5	570	600	1.8	16.6	330	360	1000
1.0	6	0.44	0.3	0.9	1.24	19.9	640	680	1.8	18.0	380	415	1000
1.0	8	0.44	0.3	4.0 x 0.8	1.40	22.1	810	860	1.8	20.1	475	520	1000
1.0	10	0.44	0.3	4.0 x 0.8	1.40	24.7	930	990	2.0	23.0	600	660	1000
1.0	12	0.44	0.3	4.0 x 0.8	1.40	25.4	1040	1110	2.0	23.8	680	750	1000
1.0	14	0.44	0.3	4.0 x 0.8	1.40	26.6	1150	1240	2.0	25.0	770	850	1000

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Area of conductor	No of triad	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	27.9	1270	1360	2.0	26.3	850	950	1000
1.0	19	0.44	0.3	4.0 x 0.8	1.40	29.3	1390	1510	2.0	27.7	980	1100	1000
1.0	20	0.44	0.3	4.0 x 0.8	1.40	30.9	1470	1590	2.0	29.2	1030	1150	500/1000
1.0	24	0.44	0.3	4.0 x 0.8	1.40	34.0	1710	1850	2.0	32.4	1220	1360	500/1000
1.0	30	0.44	0.3	4.0 x 0.8	1.56	36.2	2030	2210	2.0	34.3	1460	1640	500
1.0	37	0.44	0.4	4.0 x 0.8	1.56	39.1	2390	2610	2.2	37.4	1790	2010	500
1.5	1	0.44	0.3	0.9	1.24	11.9	270	275	1.8	10.0	130	140	1000
1.5	2	0.44	0.3	0.9	1.24	16.3	435	445	1.8	14.4	225	240	1000
1.5	4	0.44	0.3	0.9	1.24	18.5	590	620	1.8	16.6	350	375	1000
1.5	5	0.44	0.3	0.9	1.24	20.0	680	710	1.8	18.1	415	450	1000
1.5	6	0.44	0.3	4.0 x 0.8	1.40	21.7	790	830	1.8	19.7	480	520	1000
1.5	8	0.44	0.3	4.0 x 0.8	1.40	24.1	970	1020	2.0	22.4	630	680	1000
1.5	10	0.44	0.3	4.0 x 0.8	1.40	26.9	1150	1220	2.0	25.3	760	830	1000
1.5	12	0.44	0.3	4.0 x 0.8	1.40	27.8	1260	1340	2.0	26.1	870	960	1000
1.5	14	0.44	0.3	4.0 x 0.8	1.40	29.1	1400	1500	2.0	27.4	990	1090	1000
1.5	16	0.44	0.3	4.0 x 0.8	1.40	30.6	1550	1660	2.0	28.9	1110	1220	500/1000
1.5	19	0.44	0.3	4.0 x 0.8	1.40	32.1	1740	1880	2.0	30.5	1280	1410	500/1000
1.5	20	0.44	0.3	4.0 x 0.8	1.56	34.2	1860	2000	2.0	32.2	1350	1490	500/1000
1.5	24	0.44	0.4	4.0 x 0.8	1.56	37.9	2200	2370	2.2	36.2	1630	1800	500
1.5	30	0.44	0.4	4.0 x 0.8	1.56	40.0	2560	2770	2.2	38.3	1960	2170	500
1.5	37	0.44	0.4	4.0 x 0.8	1.56	43.1	3010	3260	2.2	41.4	2360	2620	500
2.5	1	0.53	0.3	0.9	1.24	13.2	335	345	1.8	11.4	175	185	1000
2.5	2	0.53	0.3	0.9	1.24	18.6	550	570	1.8	16.7	305	325	1000
2.5	4	0.53	0.3	4.0 x 0.8	1.40	21.4	800	840	1.8	19.4	495	530	1000
2.5	5	0.53	0.3	0.4 x 0.8	1.40	23.2	920	970	2.0	21.6	610	660	1000
2.5	6	0.53	0.3	0.4 x 0.8	1.40	25.1	1080	1140	2.0	23.5	710	770	1000
2.5	8	0.53	0.3	0.4 x 0.8	1.40	28.0	1320	1400	2.0	26.3	910	980	1000
2.5	10	0.53	0.3	0.4 x 0.8	1.40	31.5	1570	1670	2.0	29.8	1100	1200	500/1000
2.5	12	0.53	0.3	0.4 x 0.8	1.56	32.8	1760	1880	2.0	30.8	1280	1400	500/1000
2.5	14	0.53	0.3	0.4 x 0.8	1.56	34.4	1990	2130	2.0	32.4	1460	1600	500/1000
2.5	16	0.53	0.4	0.4 x 0.8	1.56	36.4	2220	2380	2.2	34.7	1670	1830	500
2.5	19	0.53	0.4	0.4 x 0.8	1.56	38.3	2510	2700	2.2	36.6	1940	2130	500
2.5	20	0.53	0.4	0.4 x 0.8	1.56	40.4	2640	2840	2.2	38.7	2040	2240	500
2.5	24	0.53	0.4	0.4 x 0.8	1.72	45.0	3130	3370	2.2	42.9	2420	2650	500
2.5	30	0.53	0.5	0.4 x 0.8	1.72	47.8	3720	4020	2.4	46.0	2980	3280	500
2.5	37	0.53	0.5	0.4 x 0.8	1.88	51.9	4430	4800	2.4	49.7	3590	3960	500

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