

# Weight & Dimension Data

## 500 VOLTS, MULTI CORE, STR.COPPER, PVC/PE INSULATED ALUMINIUM MYLAR TAPED OVERALL SHIELDED, ARMoured AND UNARMoured INSTRUMENTATION CABLES AS PER EN 50228

Area of conductor	No of core	Minimum thickness of insulation	ARMoured CABLES						UNARMoured CABLES				Normal Drum Length with $\pm 5\%$
			Nominal thickness of inner sheath	Diameter of G.I. armour wire	Nominal thickness of outer sheath	Nominal overall diameter	Approx. weight - PE insulation	Approx. weight - PVC insulation	Nominal thickness of outer sheath	Nominal overall diameter	Approx. weight - PE insulation	Approx. weight - PVC insulation	
mm <sup>2</sup>		mm	mm	mm	mm	mm	kg/km	kg/km	mm	mm	kg/km	kg/km	m
0.5	2	0.44	0.9	0.9	1.3	10.6	215	215	0.9	6.2	48	52	1000
0.5	3	0.44	0.9	0.9	1.3	11.0	230	235	0.9	6.6	56	61	1000
0.5	4	0.44	0.9	0.9	1.3	11.5	255	260	0.9	7.1	67	73	1000
0.5	5	0.44	0.9	0.9	1.3	12.1	270	280	0.9	7.7	75	83	1000
0.5	6	0.44	0.9	0.9	1.4	12.9	305	315	0.9	8.3	87	97	1000
0.5	7	0.44	0.9	0.9	1.4	12.9	305	315	0.9	8.3	89	100	1000
0.5	8	0.44	1.0	0.9	1.4	14.1	345	360	1.0	9.5	105	120	1000
0.5	10	0.44	1.0	0.9	1.4	15.2	395	410	1.0	10.6	125	140	1000
0.5	12	0.44	1.0	0.9	1.4	15.6	420	435	1.0	11.0	140	160	1000
0.5	16	0.44	1.0	0.9	1.4	16.7	480	500	1.0	12.1	180	205	1000
0.5	18	0.44	1.1	0.9	1.5	17.7	530	560	1.1	12.9	205	235	1000
0.5	19	0.44	1.1	0.9	1.5	17.7	530	560	1.1	12.9	205	235	1000
0.5	20	0.44	1.1	0.9	1.5	18.4	570	600	1.1	13.6	225	260	1000
0.5	24	0.44	1.1	0.9	1.5	19.8	630	670	1.1	15.0	255	295	1000
0.5	30	0.44	1.2	0.9	1.5	20.9	710	760	1.2	16.1	310	360	1000
0.5	37	0.44	1.2	0.9	1.6	22.3	800	860	1.2	17.3	370	425	1000
0.75	2	0.44	0.9	0.9	1.3	11.1	230	235	0.9	6.7	57	60	1000
0.75	3	0.44	0.9	0.9	1.3	11.4	245	255	0.9	7.0	67	72	1000
0.75	4	0.44	0.9	0.9	1.3	12.0	275	285	0.9	7.6	81	88	1000
0.75	5	0.44	0.9	0.9	1.4	12.9	305	315	0.9	8.3	91	100	1000
0.75	6	0.44	0.9	0.9	1.4	13.6	340	350	0.9	9.0	110	120	1000
0.75	7	0.44	0.9	0.9	1.4	13.6	340	355	0.9	9.0	110	125	1000
0.75	8	0.44	1.0	0.9	1.4	14.8	390	405	1.0	10.2	130	145	1000
0.75	10	0.44	1.0	0.9	1.4	16.1	440	460	1.0	11.5	155	175	1000
0.75	12	0.44	1.0	0.9	1.4	16.4	470	495	1.0	11.8	180	200	1000
0.75	16	0.44	1.1	0.9	1.5	18.1	570	590	1.1	13.3	235	260	1000
0.75	18	0.44	1.1	0.9	1.5	18.8	610	640	1.1	14.0	260	295	1000
0.75	19	0.44	1.1	0.9	1.5	18.8	610	650	1.1	14.0	265	300	1000
0.75	20	0.44	1.1	0.9	1.5	19.5	660	690	1.1	14.7	290	325	1000
0.75	24	0.44	1.2	0.9	1.6	21.5	750	800	1.2	16.5	335	375	1000
0.75	30	0.44	1.2	1.25	1.6	23.1	960	1010	1.2	17.4	400	455	1000
0.75	37	0.44	1.3	1.25	1.6	24.7	1090	1160	1.3	19.0	485	550	1000
1.0	2	0.44	0.9	0.9	1.3	11.4	245	250	0.9	7.0	65	69	1000
1.0	3	0.44	0.9	0.9	1.3	11.8	265	270	0.9	7.4	78	84	1000
1.0	4	0.44	0.9	0.9	1.3	12.5	295	305	0.9	8.1	94	100	1000
1.0	5	0.44	0.9	0.9	1.4	13.4	330	340	0.9	8.8	105	115	1000
1.0	6	0.44	1.0	0.9	1.4	14.3	380	390	1.0	9.7	130	145	1000
1.0	7	0.44	1.0	0.9	1.4	14.3	385	395	1.0	9.7	135	150	1000
1.0	8	0.44	1.0	0.9	1.4	15.4	425	440	1.0	10.8	155	170	1000
1.0	10	0.44	1.0	0.9	1.4	16.8	490	510	1.0	12.2	185	205	1000

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Area of conductor	No of core	Minimum thickness of insulation	ARMoured CABLES						UNARMoured CABLES				Normal Drum Length with $\pm$ 5%
			Nominal thickness of inner sheath	Diameter of G.I. armour wire	Nominal thickness of outer sheath	Nominal overall diameter	Approx. weight - PE insulation	Approx. weight - PVC insulation	Nominal thickness of outer sheath	Nominal overall diameter	Approx. weight - PE insulation	Approx. weight - PVC insulation	
mm <sup>2</sup>		mm	mm	mm	mm	mm	kg/km	kg/km	mm	mm	kg/km	kg/km	m
1.0	12	0.44	1.1	0.9	1.5	17.6	540	570	1.1	12.8	220	245	1000
1.0	16	0.44	1.1	0.9	1.5	18.9	640	670	1.1	14.1	280	315	1000
1.0	18	0.44	1.1	0.9	1.5	19.7	690	720	1.1	14.9	315	350	1000
1.0	19	0.44	1.1	0.9	1.5	19.7	690	730	1.1	14.9	320	360	1000
1.0	20	0.44	1.1	0.9	1.5	20.5	740	780	1.1	15.7	350	390	1000
1.0	24	0.44	1.2	0.9	1.6	22.6	850	900	1.2	17.6	405	455	1000
1.0	30	0.44	1.2	1.25	1.6	24.3	1080	1140	1.2	18.6	485	550	1000
1.0	37	0.44	1.3	1.25	1.6	26.0	1230	1310	1.3	20.3	590	670	1000
1.5	2	0.44	0.9	0.9	1.3	12.0	275	280	0.9	7.6	79	84	1000
1.5	3	0.44	0.9	0.9	1.4	12.7	305	315	0.9	8.1	97	105	1000
1.5	4	0.44	0.9	0.9	1.4	13.4	345	355	0.9	8.8	120	130	1000
1.5	5	0.44	1.0	0.9	1.4	14.4	390	400	1.0	9.8	140	155	1000
1.5	6	0.44	1.0	0.9	1.4	15.2	435	450	1.0	10.6	170	180	1000
1.5	7	0.44	1.0	0.9	1.4	15.2	445	460	1.0	10.6	175	195	1000
1.5	8	0.44	1.0	0.9	1.4	16.5	495	510	1.0	11.9	200	220	1000
1.5	10	0.44	1.1	0.9	1.5	18.4	590	610	1.1	13.6	250	275	1000
1.5	12	0.44	1.1	0.9	1.5	18.8	640	670	1.1	14.0	285	315	1000
1.5	16	0.44	1.2	0.9	1.5	20.5	770	810	1.2	15.7	380	415	1000
1.5	18	0.44	1.2	0.9	1.6	21.6	840	880	1.2	16.6	420	465	1000
1.5	19	0.44	1.2	0.9	1.6	21.6	850	890	1.2	16.6	430	475	1000
1.5	20	0.44	1.2	1.25	1.6	23.2	1040	1080	1.2	17.5	470	520	1000
1.5	24	0.44	1.3	1.25	1.6	25.3	1170	1220	1.3	19.6	540	600	1000
1.5	30	0.44	1.3	1.25	1.7	26.6	1320	1390	1.3	20.7	660	730	1000
1.5	37	0.44	1.4	1.25	1.7	28.5	1520	1610	1.4	22.6	800	890	1000
2.5	2	0.53	1.0	0.9	1.4	13.6	345	350	1.0	9.0	115	120	1000
2.5	3	0.53	1.0	0.9	1.4	14.2	385	395	1.0	9.6	140	150	1000
2.5	4	0.53	1.0	0.9	1.4	15.1	435	450	1.0	10.5	175	190	1000
2.5	5	0.53	1.0	0.9	1.4	16.0	485	500	1.0	11.4	200	220	1000
2.5	6	0.53	1.1	0.9	1.5	17.4	570	590	1.1	12.6	245	265	1000
2.5	7	0.53	1.1	0.9	1.5	17.4	580	610	1.1	12.6	260	285	1000
2.5	8	0.53	1.1	0.9	1.5	19.0	650	680	1.1	14.2	295	325	1000
2.5	10	0.53	1.2	0.9	1.6	21.2	780	820	1.2	16.2	370	405	1000
2.5	12	0.53	1.2	0.9	1.6	21.8	850	890	1.2	16.8	430	470	1000
2.5	16	0.53	1.3	1.25	1.6	24.5	1160	1220	1.3	18.8	560	620	1000
2.5	18	0.53	1.3	1.25	1.7	25.7	1270	1330	1.3	19.8	630	690	1000
2.5	19	0.53	1.3	1.25	1.7	25.7	1290	1350	1.3	19.8	650	710	1000
2.5	20	0.53	1.3	1.25	1.7	26.9	1380	1450	1.3	21.0	700	770	1000
2.5	24	0.53	1.4	1.25	1.7	29.3	1570	1650	1.4	23.4	820	900	1000
2.5	30	0.53	1.5	1.25	1.8	31.1	1810	1910	1.5	25.0	1010	1110	1000
2.5	37	0.53	1.5	1.25	1.8	33.1	2080	2200	1.5	27.0	1210	1330	500/1000

For Cables of sizes or cores 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