



UDEY PYROCABLES PVT. LTD.

300 Volts, Multi Pair, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Individual and Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7



Standard

BS EN 50288-7

Voltage

300V

Conductor

Stranded Plain Copper Class 2

Insulation

PVC/PE

Pair Identification

Black & White

Multipair: Black & White with number printing

Individual Screen

Aluminum Mylar tape with
Tinned Copper drain wire

Collective Screen

Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath

Extruded PVC

Armouring

Galvanised Steel Wire armoured

Sheathing

PVC, Black or Blue

Temperature Rating

70°C

Note

- 1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath
- 2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$



UDEY PYROCABLES PVT. LTD.

Armoured Cables														Unarmoured Cables			
Area of Conductor (Sq.mm)	No. Of Pair	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with ± 5% (meter)				
0.5	2	0.26	0.9	0.9	1.4	13.2	300	305	0.9	8.6	79	83	1000				
0.5	4	0.26	1	0.9	1.4	14.8	385	390	1	10.2	130	135	1000				
0.5	5	0.26	1	0.9	1.4	15.7	430	440	1	11.1	155	165	1000				
0.5	6	0.26	1	0.9	1.4	16.7	480	490	1	12.1	180	190	1000				
0.5	8	0.26	1.1	0.9	1.5	18.6	580	590	1.1	13.8	230	245	1000				
0.5	10	0.26	1.1	0.9	1.5	20.4	670	680	1.1	15.6	280	300	1000				
0.5	12	0.26	1.2	0.9	1.5	21.1	730	750	1.2	16.3	330	350	1000				
0.5	16	0.26	1.2	1.25	1.6	23.8	1000	1030	1.2	18.1	420	445	1000				
0.5	19	0.26	1.3	1.25	1.6	24.9	1100	1140	1.3	19.2	490	530	1000				
0.5	20	0.26	1.3	1.25	1.7	26.2	1170	1210	1.3	20.3	520	550	1000				
0.5	24	0.26	1.4	1.25	1.7	28.6	1340	1390	1.4	22.7	620	660	1000				
0.75	2	0.26	1	0.9	1.4	14.1	345	350	1	9.5	98	100	1000				
0.75	4	0.26	1	0.9	1.4	15.7	435	440	1	11.1	155	165	1000				
0.75	5	0.26	1	0.9	1.5	16.9	495	500	1	12.1	185	195	1000				
0.75	6	0.26	1.1	0.9	1.5	18.2	560	570	1.1	13.4	225	235	1000				
0.75	8	0.26	1.1	0.9	1.5	19.8	660	680	1.1	15	280	300	1000				
0.75	10	0.26	1.2	0.9	1.6	22.3	790	810	1.2	17.3	350	370	1000				
0.75	12	0.26	1.2	1.25	1.6	23.5	970	1000	1.2	17.8	405	430	1000				
0.75	16	0.26	1.3	1.25	1.7	25.9	1180	1210	1.3	20	520	560	1000				
0.75	19	0.26	1.3	1.25	1.7	27	1290	1330	1.3	21.1	610	650	1000				
0.75	20	0.26	1.4	1.25	1.7	28.4	1370	1410	1.4	22.5	650	690	1000				
0.75	24	0.26	1.4	1.25	1.8	31.1	1570	1630	1.4	25	770	820	1000				
1	2	0.26	1	0.9	1.4	14.8	365	370	1	10.2	110	115	1000				
1	4	0.26	1	0.9	1.4	16.5	475	485	1	11.9	180	190	1000				
1	5	0.26	1.1	0.9	1.5	18	560	570	1.1	13.2	225	235	1000				
1	6	0.26	1.1	0.9	1.5	19.2	620	640	1.1	14.4	260	275	1000				
1	8	0.26	1.2	0.9	1.5	21.1	740	760	1.2	16.3	340	360	1000				
1	10	0.26	1.2	1.25	1.6	24.2	1010	1030	1.2	18.5	415	435	1000				
1	12	0.26	1.3	1.25	1.6	25.1	1100	1130	1.3	19.4	485	510	1000				
1	16	0.26	1.3	1.25	1.7	27.4	1320	1350	1.3	21.5	620	660	1000				
1	19	0.26	1.4	1.25	1.7	28.8	1470	1510	1.4	22.9	730	780	1000				
1	20	0.26	1.4	1.25	1.7	30.1	1540	1590	1.4	24.2	770	820	1000				
1	24	0.26	1.5	1.25	1.8	33.2	1790	1850	1.5	27.1	920	980	500/1000				
1.5	2	0.35	1	0.9	1.5	16.8	450	460	1	12	145	155	1000				
1.5	4	0.35	1.1	0.9	1.5	19	600	620	1.1	14.2	245	260	1000				
1.5	5	0.35	1.2	0.9	1.5	20.6	700	720	1.2	15.8	305	325	1000				
1.5	6	0.35	1.2	1.25	1.6	22.9	910	930	1.2	17.2	355	375	1000				
1.5	8	0.35	1.3	1.25	1.7	25.5	1100	1130	1.3	19.6	460	490	1000				
1.5	10	0.35	1.4	1.25	1.7	28.4	1300	1330	1.4	22.5	570	610	1000				
1.5	12	0.35	1.4	1.25	1.7	29.2	1410	1460	1.4	23.3	660	710	1000				
1.5	16	0.35	1.5	1.25	1.8	32.2	1700	1760	1.5	26.1	860	920	500/1000				
1.5	19	0.35	1.5	1.25	1.8	33.6	1880	1950	1.5	27.5	1000	1070	500/1000				
1.5	20	0.35	1.6	1.6	1.9	36.4	2230	2300	1.6	29.4	1070	1140	500				
1.5	24	0.35	1.7	1.6	2	40	2570	2660	1.7	32.8	1280	1370	500				

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

500 Volts, Multi Pair, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Individual and Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7



Standard
BS EN 50288-7

Voltage
500V

Conductor
Stranded Plain Copper Class 2

Insulation
PVC/PE

Pair Identification
Black & White
Multipair: Black & White with number printing

Individual Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Collective Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath
Extruded PVC

Armouring
Galvanised Steel Wire armoured

Sheathing
PVC, Black or Blue

Temperature Rating
70°C

Note
1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath.
2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$



UDEY PYROCABLES PVT. LTD.

Armoured Cables												Unarmoured Cables			
Area of Conductor (Sq.mm)	No. of Pair	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.L. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with ± 5% (meter)		
0.5	2	0.44	1	0.9	1.4	14.8	355	365	1	10.2	97	105	1000		
0.5	4	0.44	1	0.9	1.5	16.7	450	465	1	11.9	150	165	1000		
0.5	5	0.44	1.1	0.9	1.5	18	520	530	1.1	13.2	185	200	1000		
0.5	6	0.44	1.1	0.9	1.5	19.2	580	590	1.1	14.4	215	235	1000		
0.5	8	0.44	1.2	0.9	1.6	21.4	690	710	1.2	16.4	275	300	1000		
0.5	10	0.44	1.3	1.25	1.6	24.5	940	970	1.3	18.8	345	375	1000		
0.5	12	0.44	1.3	1.25	1.7	25.3	1030	1070	1.3	19.4	390	430	1000		
0.5	16	0.44	1.4	1.25	1.7	27.7	1200	1250	1.4	21.8	510	560	1000		
0.5	18	0.44	1.4	1.25	1.7	28.9	1300	1350	1.4	23	560	620	1000		
0.5	19	0.44	1.4	1.25	1.7	28.9	1320	1380	1.4	23	580	640	1000		
0.5	20	0.44	1.4	1.25	1.8	30.4	1410	1470	1.4	24.3	610	680	1000		
0.5	24	0.44	1.5	1.25	1.8	33.3	1610	1690	1.5	27.2	730	810	500/1000		
0.5	30	0.44	1.6	1.6	1.9	36	2030	2130	1.6	29	890	990	500		
0.5	37	0.44	1.7	1.6	2	28.8	2330	2450	1.7	31.6	1080	1200	500		
0.75	2	0.44	1	0.9	1.4	15.6	390	395	1	11	110	120	1000		
0.75	4	0.44	1.1	0.9	1.5	17.8	510	530	1.1	13	185	200	1000		
0.75	5	0.44	1.1	0.9	1.5	19	570	590	1.1	14.2	220	235	1000		
0.75	6	0.44	1.2	0.9	1.5	20.5	650	680	1.2	15.7	260	285	1000		
0.75	8	0.44	1.2	1.25	1.6	23.4	900	930	1.2	17.7	330	360	1000		
0.75	10	0.44	1.3	1.25	1.7	26.2	1060	1100	1.3	20.3	410	445	1000		
0.75	12	0.44	1.3	1.25	1.7	26.9	1150	1190	1.3	21	470	510	1000		
0.75	16	0.44	1.4	1.25	1.8	29.7	1370	1430	1.4	23.6	610	670	1000		
0.75	18	0.44	1.5	1.25	1.8	31.2	1500	1560	1.5	25.1	690	750	500/1000		
0.75	19	0.44	1.5	1.25	1.8	31.2	1520	1590	1.5	25.1	710	780	500/1000		
0.75	20	0.44	1.5	1.25	1.8	32.6	1610	1680	1.5	26.5	750	830	500/1000		
0.75	24	0.44	1.6	1.6	1.9	36.6	2060	2150	1.6	29.6	900	990	500		
0.75	30	0.44	1.7	1.6	2	38.8	2360	2470	1.7	31.6	1100	1210	500		
0.75	37	0.44	1.8	1.6	2	41.6	2690	2830	1.8	34.4	1330	1470	500		
1	2	0.44	1	0.9	1.4	16.2	420	425	1	11.6	125	135	1000		
1	4	0.44	1.1	0.9	1.5	18.6	560	570	1.1	13.8	210	225	1000		
1	5	0.44	1.1	0.9	1.5	19.9	630	650	1.1	15.1	250	270	1000		
1	6	0.44	1.2	0.9	1.6	21.7	720	750	1.2	16.7	300	325	1000		
1	8	0.44	1.3	1.25	1.6	24.7	1000	1030	1.3	19	390	420	1000		
1	10	0.44	1.3	1.3	1.7	27.5	1170	1210	1.3	21.6	475	510	1000		
1	12	0.44	1.4	1.3	1.7	28.4	1280	1330	1.4	22.5	560	610	1000		

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

Armoured Cables							Unarmoured Cables						
Area of Conductor (Sq.mm)	No. of Pair	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with $\pm 5\%$ (meter)
1	16	0.44	1.5	1.3	1.8	31.4	1540	1610	1.5	26.3	720	790	500/1000
1	18	0.44	1.5	1.25	1.8	32.8	1660	1740	1.5	26.7	800	870	500/1000
1	19	0.44	1.5	1.25	1.8	32.8	1700	1770	1.5	26.7	830	910	500/1000
1	20	0.44	1.6	1.25	1.9	34.7	1820	1900	1.6	28.4	890	970	500/1000
1	24	0.44	1.7	1.6	2	38.9	2330	2430	1.7	31.7	1070	1160	500
1	30	0.44	1.7	1.6	2	40.9	2620	2740	1.7	33.7	1280	1400	500
1	37	0.44	1.8	1.6	2.1	44	3030	3180	1.8	36.6	1560	1710	500
1.5	2	0.44	1.1	0.9	1.5	17.7	485	490	1.1	12.9	160	170	1000
1.5	4	0.44	1.2	0.9	1.5	20.1	650	660	1.2	15.3	265	285	1000
1.5	5	0.44	1.2	0.9	1.6	21.7	740	760	1.2	16.7	320	345	1000
1.5	6	0.44	1.3	1.25	1.6	24.2	980	1010	1.3	18.5	380	410	1000
1.5	8	0.44	1.3	1.25	1.7	26.7	1150	1190	1.3	20.8	485	520	1000
1.5	10	0.44	1.4	1.25	1.8	30	1380	1430	1.4	23.9	600	650	1000
1.5	12	0.44	1.5	1.25	1.8	31	1520	1570	1.5	24.9	710	770	1000
1.5	16	0.44	1.6	1.25	1.9	34.3	1830	1910	1.6	28	920	990	500/1000
1.5	18	0.44	1.6	1.6	1.9	36.5	2180	2270	1.6	29.5	1020	1100	500
1.5	19	0.44	1.6	1.6	1.9	36.5	2230	2310	1.6	29.5	1070	1150	500
1.5	20	0.44	1.7	1.6	2	38.6	2380	2480	1.7	31.4	1140	1230	500
1.5	24	0.44	1.8	1.6	2.1	42.5	2760	2880	1.8	35.1	1360	1470	500
1.5	30	0.44	1.9	1.6	2.1	44.9	3160	3300	1.9	37.5	1660	1800	500
1.5	37	0.44	2	2	2.2	49.2	3970	4140	2	40.8	2020	2190	500
2.5	2	0.53	1.2	0.9	1.5	20	600	610	1.2	15.2	220	235	1000
2.5	4	0.53	1.3	1.25	1.6	23.8	960	980	1.3	18.1	375	400	1000
2.5	5	0.53	1.3	1.25	1.7	25.8	1090	1120	1.3	19.9	450	485	1000
2.5	6	0.53	1.4	1.25	1.7	27.8	1250	1290	1.4	21.9	540	580	1000
2.5	8	0.53	1.5	1.25	1.8	31.1	1510	1560	1.5	25	700	750	1000
2.5	10	0.53	1.6	1.6	1.9	35.6	2000	2070	1.6	28.6	870	940	500/1000
2.5	12	0.53	1.6	1.6	1.9	36.7	2170	2250	1.6	29.7	1010	1090	500
2.5	16	0.53	1.8	1.6	2	40.7	2660	2770	1.8	33.5	1320	1430	500
2.5	18	0.53	1.8	1.6	2.1	42.8	2890	3010	1.8	35.4	1470	1590	500
2.5	19	0.53	1.8	1.6	2.1	42.8	2960	3090	1.8	35.4	1540	1660	500
2.5	20	0.53	1.9	1.6	2.1	45	3130	3270	1.9	37.6	1640	1770	500
2.5	24	0.53	2	2	2.3	50.7	4000	4160	2	42.1	1960	2120	500
2.5	30	0.53	2.1	2	2.3	53.4	4540	4740	2.1	44.8	2390	2590	500
2.5	37	0.53	2.3	2	2.4	57.8	5310	5560	2.3	49	2930	3180	500

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300 Volts, Single and Multi Pair, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7

Standard

BS EN 50288-7

Voltage

300V

Conductor

Stranded Plain Copper Class 2

Insulation

PVC/PE

Pair Identification

Black & White

Multipair: Black & White with number printing

Collective Screen

Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath

Extruded PVC

Armouring

Galvanised Steel Wire armoured

Sheathing

PVC, Black or Blue

Temperature Rating

70°C

Note

- 1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath.
- 2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$





UDEY PYROCABLES PVT. LTD.

Armoured Cables														Unarmoured Cables			
Area of Conductor (Sq.mm)	No. Of Pair	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with ± 5% (meter)				
0.5	1	0.26	0.8	0.9	6.99	9.6	175	180	0.8	5.2	35	37	1000				
0.5	2	0.26	0.9	0.9	9.37	12	255	260	0.9	7.6	60	64	1000				
0.5	4	0.26	0.9	0.9	10.5	13.4	315	320	0.9	8.8	89	97	1000				
0.5	5	0.26	1	0.9	11.5	14.4	355	365	1	9.8	110	120	1000				
0.5	6	0.26	1	0.9	12.35	15.2	395	405	1	10.6	125	135	1000				
0.5	8	0.26	1	0.9	13.61	16.5	450	465	1	11.9	155	170	1000				
0.5	10	0.26	1.1	0.9	15.34	18.4	530	550	1.1	13.6	195	215	1000				
0.5	12	0.26	1.1	0.9	15.79	18.8	580	600	1.1	14	220	245	1000				
0.5	16	0.26	1.1	0.9	17.29	20.3	660	690	1.1	15.5	280	305	1000				
0.5	19	0.26	1.1	0.9	18.13	21.2	720	760	1.1	16.4	320	355	1000				
0.5	20	0.26	1.2	0.9	19.25	22.5	790	820	1.2	17.5	345	380	1000				
0.5	24	0.26	1.2	1.25	21.8	25.1	1020	1060	1.2	19.4	405	445	1000				
0.75	1	0.26	0.8	0.9	7.4	10.1	190	195	0.8	5.7	42	44	1000				
0.75	2	0.26	0.9	0.9	10.05	12.9	290	295	0.9	8.3	73	78	1000				
0.75	4	0.26	1	0.9	11.57	14.4	365	375	1	9.8	120	125	1000				
0.75	5	0.26	1	0.9	12.45	15.3	410	420	1	10.7	140	150	1000				
0.75	6	0.26	1	0.9	13.39	16.2	455	465	1	11.6	160	175	1000				
0.75	8	0.26	1.1	0.9	15	18	540	560	1.1	13.2	210	225	1000				
0.75	10	0.26	1.1	0.9	16.72	19.8	620	650	1.1	15	255	275	1000				
0.75	12	0.26	1.1	0.9	17.22	20.3	680	700	1.1	15.5	290	315	1000				
0.75	16	0.26	1.2	0.9	19.11	22.4	810	850	1.2	17.4	375	410	1000				
0.75	19	0.26	1.2	1.25	20.8	24	1020	1060	1.2	18.3	435	475	1000				
0.75	20	0.26	1.2	1.25	21.8	25	1070	1110	1.2	19.3	455	500	1000				
0.75	24	0.26	1.3	1.25	24.08	27.5	1240	1290	1.3	21.6	550	600	1000				
1	1	0.26	0.8	0.9	7.77	10.4	205	210	0.8	6	49	51	1000				
1	2	0.26	0.9	0.9	10.65	13.5	315	320	0.9	8.9	86	91	1000				
1	4	0.26	1	0.9	12.28	15.1	405	415	1	10.5	145	150	1000				
1	5	0.26	1	0.9	13.24	16.1	455	465	1	11.5	170	180	1000				
1	6	0.26	1	0.9	14.27	17.1	510	520	1	12.5	195	210	1000				
1	8	0.26	1.1	0.9	16.02	19.1	610	630	1.1	14.3	255	275	1000				
1	10	0.26	1.1	0.9	17.9	20.9	710	740	1.1	16.1	310	335	1000				
1	12	0.26	1.2	0.9	18.65	21.7	780	810	1.2	16.9	365	395	1000				
1	16	0.26	1.2	1.25	21.2	24.4	1060	1100	1.2	18.7	465	510	1000				
1	19	0.26	1.2	1.25	22.23	25.5	1170	1210	1.2	19.8	540	590	1000				
1	20	0.26	1.3	1.25	23.56	26.8	1250	1290	1.3	21.1	580	630	1000				
1	24	0.26	1.3	1.25	25.86	29.3	1430	1490	1.3	23.4	680	740	1000				
1.5	1	0.35	0.9	0.9	8.97	11.6	255	260	0.9	7.2	67	71	1000				
1.5	2	0.35	1	0.9	12.49	15.3	390	400	1	10.7	120	130	1000				
1.5	4	0.35	1.1	0.9	14.47	17.5	530	540	1.1	12.7	205	220	1000				
1.5	5	0.35	1.1	0.9	15.66	18.7	590	610	1.1	13.9	245	260	1000				
1.5	6	0.35	1.1	0.9	16.93	20	660	680	1.1	15.2	285	305	1000				
1.5	8	0.35	1.2	0.9	19.04	22.3	810	830	1.2	17.3	370	400	1000				
1.5	10	0.35	1.3	1.25	22.28	25.5	1090	1120	1.3	19.8	460	495	1000				
1.5	12	0.35	1.3	1.25	22.96	26.4	1200	1240	1.3	20.5	530	580	1000				
1.5	16	0.35	1.4	1.25	25.45	28.9	1430	1490	1.4	23	690	750	1000				
1.5	19	0.35	1.4	1.25	26.73	30.2	1580	1650	1.4	24.3	800	870	1000				
1.5	20	0.35	1.5	1.25	28.33	32	1690	1770	1.5	25.9	850	930	500/1000				
1.5	24	0.35	1.5	1.25	31.18	34.8	1930	2020	1.5	28.7	1010	1100	500/1000				

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

300 Volts, Multi Triad, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Individual and Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7



Standard
BS EN 50288-7

Voltage
300V

Conductor
Stranded Plain Copper Class 2

Insulation
PVC/PE

Triad Identification
White, Black, Red
Multitriad: White, Black, Red with number printing

Individual Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Collective Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath
Extruded PVC

Armouring
Galvanised Steel Wire armoured

Sheathing
PVC, Black or Blue

Temperature Rating
70°C

Note

- 1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath.
- 2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$



UDEY PYROCABLES PVT. LTD.

Armoured Cables				Unarmoured Cables			
Area of Conductor (Sq.mm)	No. of Triad	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Approx. Weight+PE Insulation (kg/km)	Approx. Weight+PVC Insulation (kg/km)
0.5	2	0.26	1	0.9	1.4	14.3	345
0.5	4	0.26	1	0.9	1.4	15.8	445
0.5	5	0.26	1	0.9	1.4	16.9	495
0.5	6	0.26	1.1	0.9	1.5	18.4	570
0.5	8	0.26	1.1	0.9	1.5	20.1	670
0.5	10	0.26	1.2	0.9	1.6	22.5	800
0.5	12	0.26	1.2	1.25	1.6	23.8	1000
0.5	14	0.26	1.3	1.25	1.6	24.9	1090
0.5	16	0.26	1.3	1.25	1.7	26.2	1190
0.5	19	0.26	1.3	1.25	1.7	27.3	1320
0.5	20	0.26	1.4	1.25	1.7	28.8	1400
0.5	24	0.26	1.4	1.25	1.8	31.4	1610
0.75	2	0.26	1	0.9	1.4	15.1	385
0.75	4	0.26	1	0.9	1.5	17.1	510
0.75	5	0.26	1.1	0.9	1.5	18.4	580
0.75	6	0.26	1.1	0.9	1.5	19.7	650
0.75	8	0.26	1.2	0.9	1.6	22	800
0.75	10	0.26	1.3	1.3	1.6	25.1	1080
0.75	12	0.26	1.3	1.25	1.7	26	1180
0.75	14	0.26	1.3	1.25	1.7	27	1290
0.75	16	0.26	1.4	1.25	1.7	28.4	1410
0.75	19	0.26	1.4	1.25	1.7	29.7	1560
0.75	20	0.26	1.4	1.25	1.8	31.3	1650
0.75	24	0.26	1.5	1.25	1.8	34.2	1920
1	2	0.26	1	0.9	1.4	15.8	425
1	4	0.26	1.1	0.9	1.5	18.1	590
1	5	0.26	1.1	0.9	1.5	19.4	650
1	6	0.26	1.2	0.9	1.5	21	750
1	8	0.26	1.2	1.25	1.6	23.9	1020
1	10	0.26	1.3	1.25	1.7	26.8	1230
1	12	0.26	1.3	1.25	1.7	27.5	1330
1	14	0.26	1.4	1.25	1.7	28.8	1470
1	16	0.26	1.4	1.25	1.7	30.1	1600
1	19	0.26	1.5	1.25	1.8	31.9	1810
1	20	0.26	1.5	1.25	1.8	33.4	1910
1	24	0.26	1.6	1.6	1.9	37.5	2440
1.5	2	0.35	1.1	0.9	1.5	18.3	530
1.5	4	0.35	1.2	0.9	1.5	20.8	730
1.5	5	0.35	1.2	1.25	1.6	23.2	970
1.5	6	0.35	1.3	1.25	1.6	25.1	1090
1.5	8	0.35	1.4	1.25	1.7	28	1330
1.5	10	0.35	1.5	1.25	1.8	31.4	1600
1.5	12	0.35	1.5	1.25	1.8	32.3	1750
1.5	14	0.35	1.5	1.25	1.8	33.7	1920
1.5	16	0.35	1.6	1.6	1.9	36.4	2330
1.5	19	0.35	1.6	1.6	1.9	38	2590
1.5	20	0.35	1.7	1.6	2	40.3	2770
1.5	24	0.35	1.8	1.6	2.1	44.4	3210
				Nominal Overall Diameter (mm)	Nominal Thickness of Outer Sheath (mm)	Approx. Weight+PE Insulation (kg/km)	Approx. Weight+PVC Insulation (kg/km)
				9.7	1	100	105
				11.2	1	160	170
				12.3	1	190	205
				13.6	1.1	230	245
				15.3	1.1	290	310
				17.5	1.2	360	390
				18.1	1.2	415	450
				19.2	1.3	480	520
				20.3	1.3	540	580
				21.4	1.3	620	680
				22.9	1.4	670	720
				25.3	1.4	790	850
				10.5	1	120	125
				12.3	1	195	210
				13.6	1.1	245	260
				14.9	1.1	285	305
				17	1.2	370	395
				19.4	1.3	460	490
				20.1	1.3	530	570
				21.1	1.3	610	650
				22.5	1.4	690	740
				23.8	1.4	800	860
				25.2	1.4	840	910
				28.1	1.5	1010	1090
				11.2	1	140	150
				13.3	1.1	240	255
				14.6	1.1	290	305
				16.2	1.2	345	365
				18.2	1.2	440	470
				20.9	1.3	550	590
				21.6	1.3	640	680
				22.9	1.4	740	790
				24.2	1.4	830	890
				25.8	1.5	980	1050
				27.3	1.5	1030	1100
				30.5	1.6	1230	1320
				13.5	1.1	195	205
				16	1.2	330	355
				17.5	1.2	400	430
				19.4	1.3	480	510
				22.1	1.4	620	670
				25.3	1.5	780	830
				26.2	1.5	900	970
				27.6	1.5	1030	1110
				29.4	1.6	1170	1260
				31	1.6	1360	1470
				33.1	1.7	1450	1560
				37	1.8	1740	1870

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

500 Volts, Multi Triad, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Individual and Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7



Standard
BS EN 50288-7

Voltage
500V

Conductor
Stranded Plain Copper Class 2

Insulation
PVC/PE

Triad Identification
White, Black, Red
Multitriad : White, Black, Red with number printing

Individual Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Collective Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath
Extruded PVC

Armouring
Galvanised Steel Wire armoured

Sheathing
PVC, Black or Blue

Temperature Rating
70°C

Note :

- 1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath.
- 2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$



UDEY PYROCABLES PVT. LTD.

Armoured Cables				Unarmoured Cables					
Area of Conductor (Sq.mm)	No. of Triad	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with $\pm 5\%$ (meter)
0.5	2	0.44	1	0.9	1.4	15.9	400	410	1000
0.5	4	0.44	1.1	0.9	1.5	18.2	530	550	1000
0.5	5	0.44	1.1	0.9	1.5	19.5	590	620	1000
0.5	6	0.44	1.2	0.9	1.6	21.2	690	720	1000
0.5	8	0.44	1.3	1.25	1.6	24.2	950	990	1000
0.5	10	0.44	1.3	1.25	1.7	26.9	1110	1160	1000
0.5	12	0.44	1.4	1.25	1.7	27.8	1210	1270	1000
0.5	14	0.44	1.4	1.25	1.7	28.9	1310	1380	1000
0.5	16	0.44	1.4	1.25	1.8	30.5	1440	1510	1000
0.5	19	0.44	1.5	1.25	1.8	32	1590	1680	500/1000
0.5	20	0.44	1.5	1.25	1.8	33.5	1680	1770	500/1000
0.5	24	0.44	1.6	1.6	1.9	37.6	2160	2270	500
0.5	30	0.44	1.7	1.6	2	39.9	2450	2600	500
0.5	37	0.44	1.8	1.6	2.1	43	2830	3010	500
0.75	2	0.44	1.1	0.9	1.5	17.2	460	470	1000
0.75	4	0.44	1.1	0.9	1.5	19.2	590	620	1000
0.75	5	0.44	1.2	0.9	1.6	21	690	720	1000
0.75	6	0.44	1.2	1.25	1.6	23.2	900	930	1000
0.75	8	0.44	1.3	1.25	1.7	25.8	1080	1130	1000
0.75	10	0.44	1.4	1.25	1.7	28.8	1270	1330	1000
0.75	12	0.44	1.4	1.25	1.8	29.8	1390	1450	1000
0.75	14	0.44	1.5	1.25	1.8	31.2	1530	1600	500/1000
0.75	16	0.44	1.5	1.25	1.8	32.6	1660	1740	500/1000
0.75	19	0.44	1.6	1.25	1.9	34.5	1870	1970	500/1000
0.75	20	0.44	1.6	1.6	1.9	36.9	2170	2280	500
0.75	24	0.44	1.7	1.6	2	40.6	2500	2630	500
0.75	30	0.44	1.8	1.6	2.1	43	2880	3040	500
0.75	37	0.44	1.9	1.6	2.1	46.1	3300	3500	500
1	2	0.44	1.1	0.9	1.5	17.9	495	510	1000
1	4	0.44	1.1	0.9	1.5	20.1	650	670	1000
1	5	0.44	1.2	0.9	1.6	22	760	790	1000
1	6	0.44	1.2	1.25	1.6	24.3	990	1020	1000
1	8	0.44	1.3	1.25	1.7	27.1	1190	1240	1000
1	10	0.44	1.4	1.25	1.8	30.4	1420	1480	1000
1	12	0.44	1.5	1.25	1.8	31.5	1560	1640	500/1000

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

			Armoured Cables					Unarmoured Cables				
Area of Conductor (Sq.mm)	No. of Triad	Minimum Thickness of Insulation (mm)	Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Normal Drum Length with ± 5% (meter)
1	14	0.44	1.5	1.25	1.8	32.8	1710	1790	26.7	840	930	500/1000
1	16	0.44	1.5	1.25	1.8	34.4	1860	1950	28.3	950	1050	500/1000
1	19	0.44	1.6	1.6	1.9	37.1	2300	2410	30.1	1110	1230	500
1	20	0.44	1.7	1.6	2	39.2	2460	2580	32	1190	1310	500
1	24	0.44	1.8	1.6	2	43	2830	2970	35.8	1420	1570	500
1	30	0.44	1.9	1.6	2.1	45.6	3260	3440	38.2	1740	1920	500
1	37	0.44	2	2	2.2	49.9	4100	4320	41.5	2110	2340	500
1.5	2	0.44	1.1	0.9	1.5	19.1	560	570	14.3	205	215	1000
1.5	4	0.44	1.2	1.25	1.6	22.7	890	920	17	350	375	1000
1.5	5	0.44	1.3	1.25	1.6	24.6	1030	1060	18.9	430	465	1000
1.5	6	0.44	1.3	1.25	1.7	26.5	1170	1210	20.6	500	550	1000
1.5	8	0.44	1.4	1.25	1.8	29.6	1420	1480	23.5	660	710	1000
1.5	10	0.44	1.5	1.25	1.8	33.1	1680	1750	27	820	890	500/1000
1.5	12	0.44	1.6	1.25	1.9	34.4	1880	1970	28.1	960	1040	500/1000
1.5	14	0.44	1.6	1.6	1.9	36.6	2260	2350	29.6	1100	1190	500
1.5	16	0.44	1.7	1.6	2	38.7	2500	2610	31.5	1250	1360	500
1.5	19	0.44	1.7	1.6	2	40.5	2760	2900	33.3	1450	1580	500
1.5	20	0.44	1.8	1.6	2.1	42.9	2970	3110	35.5	1540	1680	500
1.5	24	0.44	1.9	1.6	2.2	47.2	3450	3620	39.6	1850	2010	500
1.5	30	0.44	2	2	2.2	50.7	4280	4490	42.3	2260	2470	500
1.5	37	0.44	2.1	2	2.3	54.6	4960	5220	46	2450	3010	500
2.5	2	0.53	1.2	1.25	1.6	22.7	830	850	17	285	305	1000
2.5	4	0.53	1.3	1.25	1.7	26.1	1150	1190	20.2	500	540	1000
2.5	5	0.53	1.4	1.25	1.7	28.3	1340	1390	22.4	620	670	1000
2.5	6	0.53	1.5	1.25	1.8	30.8	1540	1600	24.7	740	800	1000
2.5	8	0.53	1.6	1.6	1.9	35.2	2070	2150	28.2	960	1040	500/1000
2.5	10	0.53	1.7	1.6	2	39.5	2480	2580	32.3	1190	1290	500
2.5	12	0.53	1.8	1.6	2	40.8	2740	2860	33.6	1400	1520	500
2.5	14	0.53	1.8	1.6	2.1	42.8	3030	3170	35.4	1600	1740	500
2.5	16	0.53	1.9	1.6	2.1	45.1	3320	3480	37.7	1820	1980	500
2.5	19	0.53	2	2	2.2	48.5	4050	4240	40.1	2140	2330	500
2.5	20	0.53	2.1	2	2.3	51.2	4350	4550	42.6	2280	2480	500
2.5	24	0.53	2.2	2	2.4	56.4	5030	5270	47.6	2720	2960	400
2.5	30	0.53	2.3	2.5	2.5	60.8	6300	6600	50.8	3330	3630	300
2.5	37	0.53	2.5	2.5	2.6	65.6	7340	7710	55.4	4080	4450	300

* Dimensions & Weights are representative figures and may vary $\pm 5\%$



UDEY PYROCABLES PVT. LTD.

500 Volts, Single and Multi Triad, Stranded Copper, PVC/PE Insulated Aluminum Mylar Taped Overall Shielded, Armoured and Unarmoured Instrumentation Cables as per BS EN 50228-7

Standard
BS EN 50288-7

Voltage
500V

Conductor
Stranded Plain Copper Class 2

Insulation
PVC/PE

Triad Identification
White, Black, Red
Multitriad: White, Black, Red with number printing

Collective Screen
Aluminum Mylar tape with
Tinned Copper drain wire

Inner Sheath
Extruded PVC

Armouring
Galvanised Steel Wire armoured

Sheathing
PVC, Black or Blue

Temperature Rating
70°C

Note :

- 1) Cables are also available with XLPE Insulation and FR / FRLS / LSZH Outer Sheath.
- 2) All the dimension mentioned above are nominal and subject to a manufacturing tolerance of $\pm 2\text{mm}$





UDEY PYROCABLES PVT. LTD.

Area of Conductor (Sq.mm)	No. of Triad	Minimum Thickness of Insulation (mm)	Armoured Cables					Unarmoured Cables				
			Nominal Thickness of Inner Sheath (mm)	Nominal Diameter of G.I. Armour Wire (mm)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)	Nominal Thickness of Outer Sheath (mm)	Nominal Overall Diameter (mm)	Approx Weight-PE Insulation (kg/km)	Approx Weight-PVC Insulation (kg/km)
0.5	1	0.44	0.9	0.9	1.3	11	225	230	0.9	6.6	52	57
0.5	2	0.44	1	0.9	1.4	14.7	350	360	1	10.1	94	105
0.5	4	0.44	1	0.9	1.4	16.3	440	455	1	11.7	145	165
0.5	5	0.44	1.1	0.9	1.5	17.8	510	530	1.1	13	180	205
0.5	6	0.44	1.1	0.9	1.5	19	560	590	1.1	14.2	205	235
0.5	8	0.44	1.2	0.9	1.5	21	670	710	1.2	16.2	270	305
0.5	10	0.44	1.2	1.25	1.6	24	910	960	1.2	18.3	325	370
0.5	12	0.44	1.3	1.25	1.6	24.9	990	1050	1.3	19.2	380	435
0.5	14	0.44	1.3	1.25	1.7	26.1	1080	1150	1.3	20.2	430	495
0.5	16	0.44	1.3	1.25	1.7	27.2	1160	1240	1.3	21.3	480	560
0.5	19	0.44	1.4	1.25	1.7	28.6	1290	1380	1.4	22.7	560	650
0.5	20	0.44	1.4	1.25	1.7	29.9	1360	1450	1.4	24	590	690
0.5	24	0.44	1.5	1.25	1.8	32.9	1580	1690	1.5	26.8	710	820
0.75	1	0.44	0.9	0.9	1.3	11.4	245	250	0.9	7	63	68
0.75	2	0.44	1	0.9	1.4	15.5	385	395	1	10.9	115	125
0.75	4	0.44	1.1	0.9	1.5	17.7	510	530	1.1	12.9	190	210
0.75	5	0.44	1.1	0.9	1.5	18.9	580	610	1.1	14.1	225	250
0.75	6	0.44	1.1	0.9	1.5	20.2	650	680	1.1	15.4	260	295
0.75	8	0.44	1.2	1.25	1.6	23.2	910	950	1.2	17.5	340	385
0.75	10	0.44	1.3	1.25	1.7	26	1070	1130	1.3	20.1	425	475
0.75	12	0.44	1.3	1.25	1.7	26.7	1150	1220	1.3	20.8	485	550
0.75	14	0.44	1.3	1.25	1.7	27.8	1260	1340	1.3	21.9	550	630
0.75	16	0.44	1.4	1.25	1.7	29.2	1380	1470	1.4	23.3	630	720
0.75	19	0.44	1.4	1.25	1.8	30.7	1520	1630	1.4	24.6	730	830
0.75	20	0.44	1.5	1.25	1.8	32.3	1630	1740	1.5	26.2	780	890
0.75	24	0.44	1.6	1.25	1.9	35.6	1890	2020	1.6	29.3	930	1060
1	1	0.44	0.9	0.9	1.3	11.8	260	265	0.9	7.4	72	78
1	2	0.44	1	0.9	1.4	16.1	420	430	1	11.5	135	145
1	4	0.44	1.1	0.9	1.5	18.5	570	600	1.1	13.7	225	250
1	5	0.44	1.1	0.9	1.5	19.8	640	670	1.1	15	270	300
1	6	0.44	1.2	0.9	1.5	21.4	730	770	1.2	16.6	325	360
1	8	0.44	1.2	1.25	1.6	24.4	1010	1060	1.2	18.7	410	460
1	10	0.44	1.3	1.25	1.7	27.3	1210	1270	1.3	21.4	510	570
1	12	0.44	1.3	1.25	1.7	28.1	1300	1370	1.3	22.2	590	660
1	14	0.44	1.4	1.25	1.7	29.5	1440	1520	1.4	23.6	690	770
1	16	0.44	1.4	1.25	1.8	31	1580	1670	1.4	24.9	770	870
1	19	0.44	1.5	1.25	1.8	32.6	1760	1870	1.5	26.5	910	1020
1	20	0.44	1.5	1.25	1.8	34.1	1850	1970	1.5	28	950	1070
1	24	0.44	1.6	1.6	1.9	38.4	2370	2510	1.6	31.4	1140	1290
1.5	1	0.44	0.9	0.9	1.4	12.7	300	305	0.9	8.1	90	97
1.5	2	0.44	1.1	0.9	1.5	17.7	500	510	1.1	12.9	175	190
1.5	4	0.44	1.1	0.9	1.5	19.9	670	700	1.1	15.1	295	320
1.5	5	0.44	1.2	0.9	1.6	21.7	780	820	1.2	16.7	360	395
1.5	6	0.44	1.2	1.25	1.6	24	1010	1050	1.2	18.3	425	465
1.5	8	0.44	1.3	1.25	1.7	26.7	1220	1280	1.3	20.8	550	610
1.5	10	0.44	1.4	1.25	1.7	29.8	1450	1520	1.4	23.9	690	760
1.5	12	0.44	1.4	1.25	1.8	30.8	1610	1690	1.4	24.7	800	880
1.5	14	0.44	1.5	1.25	1.8	32.3	1780	1870	1.5	26.2	920	1020
1.5	16	0.44	1.5	1.25	1.8	33.8	1940	2050	1.5	27.7	1040	1150
1.5	19	0.44	1.6	1.6	1.9	36.5	2380	2520	1.6	29.5	1220	1360
1.5	20	0.44	1.6	1.6	1.9	38.2	2520	2660	1.6	31.2	1290	1430
1.5	24	0.44	1.8	1.6	2	42.3	2940	3110	1.8	35.1	1560	1730
2.5	1	0.53	1	0.9	1.4	14.2	375	385	1	9.6	130	140
2.5	2	0.53	1.2	0.9	1.5	20.1	630	650	1.2	15.3	255	275
2.5	4	0.53	1.2	1.25	1.6	23.7	1020	1060	1.2	18	435	475
2.5	6	0.53	1.4	1.25	1.7	28	1350	1410	1.4	22.1	640	700
2.5	12	0.53	1.6	1.6	1.9	36.8	2400	2520	1.6	29.8	1220	1340

* Dimensions & Weights are representative figures and may vary ±5%