

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 7 - 3.8 / 6.6 KV (E) HT XLPE Single Core Aluminium Conductor Cables

“POLYCAB” single core aluminium conductor, XLPE insulated, unarmoured & armoured cables conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.8	2	19	410	0.3	0.8	1.4	20	500	1.6	1.4	22	575	117	104	139	500	
50	2.8	2	20	470	0.3	0.8	1.4	21	160	1.6	1.4	23	640	138	123	166	500	
70	2.8	2	21	550	0.3	0.8	1.4	23	660	1.6	1.4	24	745	168	149	208	500	
95	2.8	2	23	670	0.3	0.8	1.4	25	780	1.6	1.4	26	865	200	177	252	500	
120	2.8	2	25	770	0.3	0.8	1.4	26	900	1.6	1.4	28	990	227	201	292	500	
150	2.8	2	26	870	0.3	0.8	1.4	27	990	1.6	1.56	29	1115	252	223	329	500	
185	2.8	2	27	1000	0.3	0.8	1.56	29	1170	1.6	1.56	31	1275	285	251	380	500	
240	2.8	2.2	30	1230	0.4	0.8	1.56	32	1390	2	1.56	34	1580	326	286	448	500	
300	3	2.2	32	1460	0.4	0.8	1.56	34	1635	2	1.56	37	A830	365	319	511	500	
400	3.3	2.2	36	1810	0.4	0.8	1.56	38	2005	2	1.72	41	2260	412	359	593	500	
500	3.5	2.4	40	2240	0.5	0.8	1.72	42	2465	2	1.88	44	2755	461	401	680	500	
630	3.5	2.4	43	2640	0.5	0.8	1.88	45	2920	2	1.88	48	3200	514	445	777	500	
800	3.5	2.6	47	3170	0.5	0.8	1.88	49	3440	2.5	2.04	52	3900	552	476	863	500	
1000	3.6	2.8	52	3940	0.6	0.8	2.04	54	4245	2.5	2.2	58	4775	595	509	954	500	

TABLE 8 - 3.8 / 6.6 KV (E) HT XLPE Single Core Copper Conductor Cables

“POLYCAB” Single Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.8	2	19	615	0.3	0.8	1.4	20	705	1.6	1.4	22	780	151	134	181	500	
50	2.8	2	20	750	0.3	0.8	1.4	21	845	1.6	1.4	23	925	178	158	216	500	
70	2.8	2	21	965	0.3	0.8	1.4	23	1065	1.6	1.4	24	1150	216	191	269	500	
95	2.8	2	23	1225	0.3	0.8	1.4	25	1340	1.6	1.4	26	1425	257	227	326	500	
120	2.8	2	25	1475	0.3	0.8	1.4	26	1595	1.6	1.4	28	1690	290	256	376	500	
150	2.8	2	26	1755	0.3	0.8	1.4	27	1875	1.6	1.56	29	2005	323	285	424	500	
185	2.8	2	27	2090	0.3	0.8	1.56	29	2250	1.6	1.56	31	2355	360	317	487	500	
240	2.8	2.2	30	2630	0.4	0.8	1.56	32	2780	2	1.56	34	2980	411	361	568	500	
300	3	2.2	32	3205	0.4	0.8	1.56	34	3380	2	1.56	37	3580	456	399	643	500	
400	3.3	2.2	36	4120	0.4	0.8	1.56	38	4320	2	1.72	41	4575	508	443	735	500	
500	3.5	2.4	40	5140	0.5	0.8	1.72	42	5370	2	1.88	44	5660	559	486	828	500	
630	3.5	2.4	43	6330	0.5	0.8	1.88	45	6610	2	1.88	48	6885	611	529	930	500	
800	3.5	2.6	47	7905	0.5	0.8	1.88	49	8175	2.5	2.04	52	8630	639	550	1003	500	
1000	3.6	2.8	52	9800	0.6	0.8	2.04	54	10105	2.5	2.2	58	10630	672	575	1083	500	

The above data is approximate and subject to manufacturing tolerance.
 * Delivery length tolerance is ± 5 %. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 9 - 6.35/11 KV (E), 6.6/6.6 KV (UE) HT XLPE Single Core Aluminium Conductor Cables

"POLYCAB" single core aluminium conductor, XLPE insulated, unarmoured & armoured cables conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	3.6	2	20	465	0.3	0.8	1.4	22	565	1.6	1.4	22	640	118	104	140	500	
50	3.6	2	21	520	0.3	0.8	1.4	23	625	1.6	1.4	23	710	138	122	167	500	
70	3.6	2	23	615	0.3	0.8	1.4	25	725	1.6	1.4	25	815	168	149	209	500	
95	3.6	2	25	730	0.3	0.8	1.4	26	855	1.6	1.4	26	945	200	177	254	500	
120	3.6	2	26	835	0.3	0.8	1.4	28	970	1.6	1.56	28	1090	227	200	294	500	
150	3.6	2	27	940	0.3	0.8	1.56	29	1100	1.6	1.56	29	1200	252	223	331	500	
185	3.6	2.2	29	1110	0.4	0.8	1.56	31	1265	2	1.56	31	1440	284	250	383	500	
240	3.6	2.2	32	1315	0.4	0.8	1.56	33	1480	2	1.56	33	1675	326	286	450	500	
300	3.6	2.2	34	1525	0.4	0.8	1.56	35	1710	2	1.56	35	1910	365	319	512	500	
400	3.6	2.2	37	1845	0.4	0.8	1.72	39	2070	2	1.72	39	2300	412	359	594	500	
500	3.6	2.4	40	2240	0.5	0.8	1.72	42	2475	2	1.88	42	2760	461	401	680	500	
630	3.6	2.4	43	2655	0.5	0.8	1.88	45	2945	2	1.88	45	3210	514	445	778	500	
800	3.6	2.6	47	3190	0.5	0.8	1.88	49	3455	2.5	2.04	49	3910	553	476	863	500	
1000	3.6	2.8	52	3940	0.6	0.8	2.04	54	4245	2.5	2.2	54	4760	595	509	954	500	

TABLE 10 - 6.35/11 KV (E), 6.6/6.6 KV (UE) HT XLPE Single Core Copper Conductor Cables

"POLYCAB" single core copper conductor, XLPE insulated, unarmoured & armoured cables conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	3.6	2	20	670	0.3	0.8	1.4	22	770	1.6	1.4	22	847	151	134	181	500	
50	3.6	2	21	810	0.3	0.8	1.4	23	910	1.6	1.4	23	997	178	158	216	500	
70	3.6	2	23	1025	0.3	0.8	1.4	25	1135	1.6	1.4	25	1226	216	191	269	500	
95	3.6	2	25	1290	0.3	0.8	1.4	26	1410	1.6	1.4	26	1505	257	227	326	500	
120	3.6	2	26	1540	0.3	0.8	1.4	28	1675	1.6	1.56	28	1797	290	256	376	500	
150	3.6	2	27	1825	0.3	0.8	1.56	29	1990	1.6	1.56	29	2092	323	285	424	500	
185	3.6	2.2	29	2195	0.4	0.8	1.56	31	2350	2	1.56	31	2512	360	317	487	500	
240	3.6	2.2	32	2710	0.4	0.8	1.56	33	2880	2	1.56	33	3057	411	361	568	500	
300	3.6	2.2	34	3270	0.4	0.8	1.56	35	3455	2	1.56	35	3641	456	399	643	500	
400	3.6	2.2	37	4155	0.4	0.8	1.72	39	4385	2	1.72	39	4588	508	443	735	500	
500	3.6	2.4	40	5155	0.5	0.8	1.72	42	5385	2	1.88	42	5621	559	486	828	500	
630	3.6	2.4	43	6345	0.5	0.8	1.88	45	6635	2	1.88	45	6854	611	529	930	500	
800	3.6	2.6	47	7925	0.5	0.8	1.88	49	8190	2.5	2.04	49	8595	639	550	1003	500	
1000	3.6	2.8	52	9800	0.6	0.8	2.04	54	10105	2.5	2.2	54	10532	672	575	1083	500	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is ± 5 %. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 11 - 11/ 11 KV (UE) HT XLPE Single Core Aluminium Conductor Cables

“POLYCAB” Single Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
70	5.5	2	27	775	0.3	0.8	1.56	29	935	1.6	1.56	30	1045	168	149	209	500	
95	5.5	2	28	900	0.3	0.8	1.56	30	1070	2	1.56	33	1250	200	177	254	500	
120	5.5	2.2	30	1045	0.4	0.8	1.56	32	1220	2	1.56	35	1410	227	200	294	500	
150	5.5	2.2	32	1155	0.4	0.8	1.56	33	1325	2	1.56	36	1525	252	223	331	500	
185	5.5	2.2	33	1305	0.4	0.8	1.56	35	1495	2	1.56	37	1700	284	250	383	500	
240	5.5	2.2	35	1525	0.4	0.8	1.56	37	1725	2	1.72	40	1980	326	286	450	500	
300	5.5	2.2	37	1745	0.4	0.8	1.72	39	1995	2	1.72	42	2225	365	319	512	500	
400	5.5	2.4	41	2120	0.5	0.8	1.72	43	2370	2	1.88	45	2660	412	359	594	500	
500	5.5	2.4	44	2495	0.5	0.8	1.88	46	2800	2.5	2.04	50	3240	461	401	680	500	
630	5.5	2.6	47	2975	0.5	0.8	1.88	49	3255	2.5	2.04	53	3720	514	445	778	500	
800	5.5	2.8	51	3535	0.6	0.8	2.04	53	3860	2.5	2.2	57	4370	553	476	863	500	
1000	5.5	2.8	56	4270	0.6	0.8	2.2	58	4665	2.5	2.36	62	5225	595	509	954	500	

TABLE 12 - 11 / 11 KV (UE) HT XLPE Single Core Copper Conductor Cables

“POLYCAB” Single Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
70	5.5	2	27	1185	0.3	0.8	1.56	25	1345	1.6	1.56	30	1456	216	191	269	500	
95	5.5	2	28	1460	0.3	0.8	1.56	27	1625	2	1.56	33	1810	257	227	326	500	
120	5.5	2.2	30	1750	0.4	0.8	1.56	29	1920	2	1.56	35	2115	290	256	376	500	
150	5.5	2.2	32	2040	0.4	0.8	1.56	30	2215	2	1.56	36	2415	323	285	424	500	
185	5.5	2.2	33	2390	0.4	0.8	1.56	31	2580	2	1.56	37	2790	360	317	487	500	
240	5.5	2.2	35	2925	0.4	0.8	1.56	34	3120	2	1.72	40	3380	411	361	568	500	
300	5.5	2.2	37	3490	0.4	0.8	1.72	36	3740	2	1.72	42	3970	456	399	643	500	
400	5.5	2.4	41	4430	0.5	0.8	1.72	39	4680	2	1.88	45	4970	508	443	735	500	
500	5.5	2.4	44	5410	0.5	0.8	1.88	42	5715	2.5	2.04	50	6155	559	486	828	500	
630	5.5	2.6	47	6665	0.5	0.8	1.88	45	6945	2.5	2.04	53	7410	611	529	930	500	
800	5.5	2.8	51	8270	0.6	0.8	2.04	49	8595	2.5	2.2	57	9110	639	550	1003	500	
1000	5.5	2.8	56	10125	0.6	0.8	2.2	53	10525	2.5	2.36	62	11085	672	575	1083	500	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is ± 5 %. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 13 - 12.7/22 KV (E) HT XLPE Single Core Aluminium Conductor Cables

"POLYCAB" Single Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	6	2.2	30	975	0.4	0.8	1.56	32	1130	2	1.56	30	1325	198	172	262	500	
120	6	2.2	31	1095	0.4	0.8	1.56	33	1265	2	1.56	32	1465	224	195	302	500	
150	6	2.2	33	1205	0.4	0.8	1.56	34	1380	2	1.56	33	1590	249	217	339	500	
185	6	2.2	34	1360	0.4	0.8	1.56	36	1545	2	1.72	35	1795	280	243	389	500	
240	6	2.2	36	1580	0.4	0.8	1.56	38	1780	2	1.72	37	2040	321	278	455	500	
300	6	2.2	38	1810	0.4	0.8	1.72	41	2050	2	1.72	39	2295	355	307	515	500	
400	6	2.4	42	2190	0.5	0.8	1.88	44	2470	2	1.88	42	2735	400	345	594	500	
500	6	2.6	45	2615	0.5	0.8	1.88	47	2870	2.5	2.04	46	3315	447	384	678	500	
630	6	2.6	48	3055	0.5	0.8	2.04	51	3365	2.5	2.04	49	3810	496	424	770	500	
800	6	2.8	52	3620	0.6	0.8	2.04	54	3930	2.5	2.2	53	4455	543	475	866	500	
1000	6	3	57	4415	0.6	0.8	2.2	59	4745	2.5	2.36	58	5310	572	498	944	500	

TABLE 14 - 12.7 / 22 KV (E) HT XLPE Single Core Copper Conductor Cables

"POLYCAB" Single Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	ALUMINIUM STRIP ARMOURD CABLE				ALUMINIUM ROUND WIRE ARMOURD CABLE				CURRENT CARRYING CAPACITY			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	6	2.2	30	975	0.4	0.8	1.56	32	1695	2	1.56	34	1885	253	221	336	500	
120	6	2.2	31	1095	0.4	0.8	1.56	33	1965	2	1.56	36	2165	285	249	386	500	
150	6	2.2	33	1205	0.4	0.8	1.56	34	2265	2	1.56	37	2475	317	276	434	500	
185	6	2.2	34	1360	0.4	0.8	1.56	36	2630	2	1.72	39	2880	355	308	494	500	
240	6	2.2	36	1585	0.4	0.8	1.56	38	3180	2	1.72	41	3440	404	350	575	500	
300	6	2.2	38	1810	0.4	0.8	1.72	41	3795	2	1.72	43	4040	442	382	644	500	
400	6	2.4	42	2190	0.5	0.8	1.88	44	4780	2	1.88	46	5045	490	422	734	500	
500	6	2.6	45	2615	0.5	0.8	1.88	47	5785	2.5	2.04	51	6230	538	462	825	500	
630	6	2.6	48	3055	0.5	0.8	2.04	51	7055	2.5	2.04	54	7500	586	501	920	500	
800	6	2.8	52	3620	0.6	0.8	2.04	54	8665	2.5	2.2	58	9190	629	550	1014	500	
1000	6	3	57	4415	0.6	0.8	2.2	59	10105	2.5	2.36	63	11170	643	560	1074	500	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 15 - 19 / 33 KV (E) HT XLPE Single Core Aluminium Conductor Cables

“POLYCAB” Single Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	8.8	2.2	35	1275	0.4	0.8	1.56	37	1465	2	1.72	40	1720	198	172	262	500	
120	8.8	2.2	37	1410	0.4	0.8	1.72	39	1640	2	1.72	41	1875	224	195	302	500	
150	8.8	2.2	38	1530	0.4	0.8	1.72	40	1765	2	1.72	43	2005	249	217	339	500	
185	8.8	2.4	40	1735	0.5	0.8	1.72	42	1965	2	1.88	45	2255	280	243	389	500	
240	8.8	2.4	42	1980	0.5	0.8	1.88	45	2260	2	1.88	47	2525	321	278	455	500	
300	8.8	2.6	45	2265	0.5	0.8	1.88	47	2515	2	2.04	50	2965	355	307	515	500	
400	8.8	2.6	48	2640	0.5	0.8	2.04	50	2950	2	2.04	53	3385	400	345	594	500	
500	8.8	2.8	51	3095	0.6	0.8	2.04	53	3400	2.5	2.2	57	3915	447	384	678	500	
630	8.8	2.8	54	3565	0.6	0.8	2.2	57	3930	2.5	2.36	60	4475	496	424	770	500	
800	8.8	3	58	4165	0.6	0.8	2.36	60	4545	2.5	2.36	64	5080	543	475	866	500	
1000	8.8	3.2	63	5010	0.7	0.8	2.36	65	5395	2.5	2.52	70	6260	572	498	944	500	

TABLE 16 - 19 / 33 KV (E) HT XLPE Single Core Copper Conductor Cables

“POLYCAB” Single Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	8.8	2.2	35	1835	0.4	0.8	1.56	37	2025	2	1.72	40	2285	253	221	336	500	
120	8.8	2.2	37	2110	0.4	0.8	1.72	39	2345	2	1.72	41	2585	285	249	386	500	
150	8.8	2.2	38	2415	0.4	0.8	1.72	40	2655	2	1.72	43	2895	317	276	434	500	
185	8.8	2.4	40	2825	0.5	0.8	1.72	42	3055	2	1.88	45	3340	355	308	494	500	
240	8.8	2.4	42	3375	0.5	0.8	1.88	45	3660	2	1.88	47	3925	404	350	575	500	
300	8.8	2.6	45	4010	0.5	0.8	1.88	47	4260	2	2.04	50	4715	442	382	644	500	
400	8.8	2.6	48	4945	0.5	0.8	2.04	50	5260	2	2.04	53	5695	490	422	734	500	
500	8.8	2.8	51	6010	0.6	0.8	2.04	53	6315	2.5	2.2	57	6830	538	462	825	500	
630	8.8	2.8	54	7255	0.6	0.8	2.2	57	7620	2.5	2.36	60	8165	586	501	920	500	
800	8.8	3	58	8900	0.6	0.8	2.36	60	9285	2.5	2.36	64	9815	629	550	1014	500	
1000	8.8	3.2	63	10870	0.7	0.8	2.36	65	11255	2.5	2.52	70	12120	643	560	1074	500	

The above data is approximate and subject to manufacturing tolerance.

* Delivery Length tolerance is ± 5 %. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 17 - 33 / 33 KV (UE) HT XLPE Single Core Aluminium Conductor Cable

"POLYCAB" Single Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
120	9.5	2.2	38	1495	0.4	0.8	1.72	41	1735	2	1.72	43	1980	224	195	302	500	
150	9.5	2.4	40	1655	0.4	0.8	1.72	42	1865	2	1.88	44	2145	249	217	339	500	
185	9.5	2.4	42	1830	0.5	0.8	1.72	44	2065	2	1.88	46	2370	280	243	389	500	
240	9.5	2.4	44	2075	0.5	0.8	1.88	46	2365	2.5	2.04	50	2810	321	278	455	500	
300	9.5	2.6	46	2370	0.5	0.8	1.88	48	2625	2.5	2.04	52	2085	355	307	515	500	
400	9.5	2.6	49	2745	0.5	0.8	2.04	51	3070	2.5	2.2	55	3565	400	345	594	500	
500	9.5	2.8	53	3210	0.6	0.8	2.04	55	3525	2.5	2.2	58	4045	447	384	678	500	
630	9.5	3	56	3740	0.6	0.8	2.2	58	4065	2.5	2.36	62	4625	496	424	770	500	
800	9.5	3	60	4300	0.6	0.8	2.36	62	4690	3.15	2.52	67	5510	543	475	866	500	
1000	9.5	3.2	65	5155	0.7	0.8	2.52	67	5600	3.15	2.68	72	6485	572	498	944	500	

TABLE 18 - 33 / 33 KV (UE) HT XLPE Single Core Copper Conductor Cable

"POLYCAB" Single Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
120	9.5	2.2	38	2200	0.4	0.8	1.72	41	2440	2	1.72	43	2685	285	249	386	500	
150	9.5	2.4	40	2555	0.4	0.8	1.72	42	2755	2	1.88	44	3035	317	276	434	500	
185	9.5	2.4	42	2915	0.5	0.8	1.72	44	3155	2	1.88	46	3455	355	308	494	500	
240	9.5	2.4	44	3475	0.5	0.8	1.88	46	3765	2.5	2.04	50	4205	404	350	575	500	
300	9.5	2.6	46	4115	0.5	0.8	1.88	48	4370	2.5	2.04	52	4830	442	382	644	500	
400	9.5	2.6	49	5055	0.5	0.8	2.04	51	5375	2.5	2.2	55	5870	490	422	734	250	
500	9.5	2.8	53	6125	0.6	0.8	2.04	55	6440	2.5	2.2	58	6960	538	462	825	250	
630	9.5	3	56	7430	0.6	0.8	2.2	58	7755	2.5	2.36	62	8315	586	501	920	250	
800	9.5	3	60	9035	0.6	0.8	2.36	62	9425	3.15	2.52	67	10250	629	550	1014	250	
1000	9.5	3.2	65	11010	0.7	0.8	2.52	67	11460	3.15	2.68	72	12340	643	560	1074	200	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 19 - 1.9/3.3 KV (E) & 3.3/3.3 KV (UE) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAP" Single Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.2	0.4	34	1270	0.4	0.8	1.56	35	1560	2	1.72	35	2120	112	96	123	500	
50	2.2	0.4	36	1465	0.4	0.8	1.72	37	1825	2	1.72	37	2385	131	113	146	500	
70	2.2	0.5	40	1840	0.5	0.8	1.72	41	2205	2	1.88	41	2870	160	138	182	500	
95	2.2	0.5	44	2275	0.5	0.8	1.88	45	2685	2.5	2.04	45	3675	191	165	221	500	
120	2.2	0.5	48	2655	0.5	0.8	2.04	48	3145	2.5	2.04	48	4205	216	187	254	500	
150	2.2	0.6	51	3075	0.6	0.8	2.04	51	3530	2.5	2.2	51	4720	241	208	286	500	
185	2.2	0.6	55	3630	0.6	0.8	2.2	55	4115	2.5	2.36	55	5415	273	236	330	500	
240	2.2	0.7	60	4390	0.7	0.8	2.36	60	4995	2.5	2.36	60	6350	315	277	385	500	
300	2.2	0.7	65	5200	0.7	0.8	2.52	65	5855	3.15	2.68	65	7940	354	312	440	500	
400	2.2	0.7	72	6500	0.7	0.8	2.68	72	7145	3.15	2.84	72	9505	403	355	512	500	

TABLE 20 - 1.9/3.3 KV (E) & 3.3/3.3 (UE) KV HT XLPE Three Core Copper Conductor Cables

"POLYCAP" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Screened Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Dimension of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.2	0.4	34	1885	0.4	0.8	1.56	35	2175	2	1.72	35	2735	144	124	159	500	
50	2.2	0.4	36	2320	0.4	0.8	1.72	37	2680	2	1.72	37	3245	169	146	188	500	
70	2.2	0.5	40	3065	0.5	0.8	1.72	41	3430	2	1.88	41	4100	206	178	234	500	
95	2.2	0.5	44	3950	0.5	0.8	1.88	45	4365	2.5	2.04	45	5353	246	212	284	500	
120	2.2	0.5	48	4765	0.5	0.8	2.04	48	5255	2.5	2.04	48	6315	278	240	326	500	
150	2.2	0.6	51	5735	0.6	0.8	2.04	51	6195	2.5	2.2	51	7385	310	268	368	500	
185	2.2	0.6	55	6890	0.6	0.8	2.2	55	7370	2.5	2.36	55	8670	350	302	422	500	
240	2.2	0.7	60	8585	0.7	0.8	2.36	60	9190	2.5	2.36	60	10545	401	353	492	500	
300	2.2	0.7	65	10435	0.7	0.8	2.52	65	11090	3.15	2.68	65	13175	449	395	559	500	
400	2.2	0.7	72	13425	0.7	0.8	2.68	72	14070	3.15	2.84	72	16430	506	445	642	250	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 21 - 3.8 / 6.6 KV (E) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAB" Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.8	2.2	37	1425	0.4	0.8	1.72	38	1785	2	1.72	40	2395	112	96	123	500	
50	2.8	2.4	40	1685	0.5	0.8	1.72	40	2050	2	1.88	43	2720	131	113	146	500	
70	2.8	2.6	43	2065	0.5	0.8	1.88	44	2460	2	1.88	46	3145	160	138	182	500	
95	2.8	2.6	47	2470	0.5	0.8	1.88	47	2900	2.5	2.04	51	4020	191	165	221	500	
120	2.8	2.8	51	2940	0.6	0.8	2.04	51	3420	2.5	2.2	55	4630	216	187	254	500	
150	2.8	3	54	3350	0.6	0.8	2.2	54	3835	2.5	2.2	57	5095	241	208	286	500	
185	2.8	3.2	58	3930	0.6	0.8	2.2	58	4390	2.5	2.36	61	5765	273	236	330	500	
240	2.8	3.4	63	4771	0.7	0.8	2.36	63	5275	3.15	2.52	68	7345	315	277	385	500	
300	3	3.6	69	5710	0.7	0.8	2.52	68	6265	3.15	2.68	73	8555	354	312	440	500	
400	3.3	3.8	77	7145	0.7	0.8	2.84	77	7825	4	3	84	11315	403	355	512	500	

TABLE 22 - 3.8/6.6 KV (E) HT XLPE Three Core Copper Conductor Cables

"POLYCAB" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	2.8	2.2	37	2040	0.4	0.8	1.72	38	2400	2	1.72	40	3010	144	124	159	500	
50	2.8	2.4	40	2545	0.5	0.8	1.72	40	2910	2	1.88	43	3575	169	146	188	500	
70	2.8	2.6	43	3290	0.5	0.8	1.88	44	3685	2	1.88	46	4375	206	178	234	500	
95	2.8	2.6	47	4145	0.5	0.8	1.88	47	4580	2.5	2.04	51	5695	246	212	284	500	
120	2.8	2.8	51	5055	0.6	0.8	2.04	51	5535	2.5	2.2	55	6740	278	240	326	500	
150	2.8	3	54	6010	0.6	0.8	2.2	54	6500	2.5	2.2	57	7755	310	268	368	500	
185	2.8	3.2	58	7185	0.6	0.8	2.2	58	7685	2.5	2.36	61	9020	350	302	422	500	
240	2.8	3.4	63	8965	0.7	0.8	2.36	63	9470	3.15	2.52	68	11540	401	353	492	500	
300	3	3.6	69	10945	0.7	0.8	2.52	68	11505	3.15	2.68	73	13795	449	395	559	250	
400	3.3	3.8	77	14075	0.7	0.8	2.84	77	14755	4	3	84	18245	506	445	642	200	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 23 - 6.35 / 11 KV (E) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAB" Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	3.6	2.4	41	1705	0.5	0.8	1.72	41	2090	2	1.88	44	2760	112	97	124	500	
50	3.6	2.6	43	1965	0.5	0.8	1.88	44	2360	2.5	2.04	47	3370	131	114	148	500	
70	3.6	2.6	47	2320	0.5	0.8	1.88	47	2750	2.5	2.04	51	3870	161	139	184	500	
95	3.6	2.8	51	2820	0.6	0.8	2.04	51	3300	2.5	2.2	55	4510	190	165	222	500	
120	3.6	2.8	54	3240	0.6	0.8	2.2	55	3800	2.5	2.2	58	5075	216	188	256	500	
150	3.6	3	57	3660	0.6	0.8	2.2	57	4188	2.5	2.36	61	5560	242	209	288	500	
185	3.6	3.2	62	4295	0.7	0.8	2.36	62	4865	3.15	2.52	66	6875	273	240	330	500	
240	3.6	3.4	67	5140	0.7	0.8	2.52	67	5748	3.15	2.68	71	7940	315	278	387	500	
300	3.6	3.6	71	6005	0.7	0.8	2.68	71	6651	3.15	2.84	76	9020	354	312	441	250	
400	3.6	3.8	78	7310	0.7	0.8	2.84	78	8010	4	3	85	11575	404	356	512	250	

TABLE 24 - 6.35 / 11 KV (E) HT XLPE Three Core Copper Conductor Cables

"POLYCAB" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
35	3.6	2.4	41	2320	0.5	0.8	1.72	41	2705	2	1.88	44	3375	144	125	160	500	
50	3.6	2.6	43	2820	0.5	0.8	1.88	44	3220	2.5	2.04	47	4220	169	146	191	500	
70	3.6	2.6	47	3550	0.5	0.8	1.88	47	3980	2.5	2.04	51	5100	207	179	237	500	
95	3.6	2.8	51	4500	0.6	0.8	2.04	51	4980	2.5	2.2	55	6185	245	213	286	500	
120	3.6	2.8	54	5350	0.6	0.8	2.2	55	5910	2.5	2.2	58	7185	278	241	329	500	
150	3.6	3	57	6325	0.6	0.8	2.2	57	6850	2.5	2.36	61	8220	311	269	371	500	
185	3.6	3.2	62	7550	0.7	0.8	2.36	62	8120	3.15	2.52	66	10130	349	308	422	500	
240	3.6	3.4	67	9335	0.7	0.8	2.52	67	9940	3.15	2.68	71	12130	401	354	493	250	
300	3.6	3.6	71	11240	0.7	0.8	2.68	71	11885	3.15	2.84	76	14260	449	396	560	250	
400	3.6	3.8	78	14235	0.7	0.8	2.84	78	14945	4	3	85	18500	506	446	643	250	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is ± 5 %. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 25 - 11 / 11 KV (UE) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAB" Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
70	5.5	3	56	3145	0.6	0.8	2.2	56	3665	2.5	2.36	60	5000	161	139	184	500	
95	5.5	3.2	60	3680	0.6	0.8	2.36	60	4250	3.15	2.52	65	6200	190	165	222	500	
120	5.5	3.2	64	4180	0.7	0.8	2.36	64	4785	3.15	2.52	68	6840	216	188	256	500	
150	5.5	3.4	66	4645	0.7	0.8	2.52	66	5255	3.15	2.68	71	7415	242	209	288	500	
185	5.5	3.4	70	5240	0.7	0.8	2.68	70	5935	3.15	2.84	75	8270	273	240	330	500	
240	5.5	3.6	75	6155	0.7	0.8	2.84	75	6890	3.15	3	80	9405	315	278	387	250	
300	5.5	3.8	80	7085	0.7	0.8	3	80	7860	4	3	86	11440	354	312	441	250	
400	5.5	4	87	8485	0.7	0.8	3	87	9270	4	3	93	13125	404	356	512	250	

TABLE 26 - 11 / 11 KV (UE) HT XLPE Three Core Copper Conductor Cables

"POLYCAB" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
70	5.5	3	56	4370	0.6	0.8	2.2	56	4895	2.5	2.36	60	6230	207	179	237	500	
95	5.5	3.2	60	5355	0.6	0.8	2.36	60	5930	3.15	2.52	65	7875	245	213	286	500	
120	5.5	3.2	64	6290	0.7	0.8	2.36	64	6900	3.15	2.52	68	8950	278	241	329	500	
150	5.5	3.4	66	7310	0.7	0.8	2.52	66	7920	3.15	2.68	71	10070	311	269	371	500	
185	5.5	3.4	70	8495	0.7	0.8	2.68	70	9190	3.15	2.84	75	11525	349	308	422	250	
240	5.5	3.6	75	10345	0.7	0.8	2.84	75	11090	3.15	3	80	13600	401	354	493	250	
300	5.5	3.8	80	12320	0.7	0.8	3	80	13100	4	3	86	16675	449	396	560	250	
400	5.5	4	87	15415	0.7	0.8	3	87	16200	4	3	93	20055	506	446	643	250	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 27 - 12.7/22 KV (E) HT XLPE Three Core Aluminium Conductor Cables

“POLYCAB” Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	6	3.2	62	3925	0.7	0.8	2.36	62	4516	3.15	2.52	67	6565	189	169	227	500	
120	6	3.4	66	4470	0.7	0.8	2.52	66	5080	3.15	2.68	71	7270	215	192	262	500	
150	6	3.4	69	4885	0.7	0.8	2.68	69	5565	3.15	2.68	73	7800	239	214	294	250	
185	6	3.6	73	5560	0.7	0.8	2.68	73	6225	3.15	2.84	77	8635	270	245	336	250	
240	6	3.8	78	6495	0.7	0.8	2.84	78	7200	4	3	84	10665	312	282	393	250	
300	6	4	83	7445	0.7	0.8	3	82	8185	4	3	88	11810	351	317	448	250	
400	6	4	89	8790	0.7	0.8	3	89	9595	4	3	95	13620	400	361	519	250	

TABLE 28 - 12.7 / 22 KV (E) HT XLPE Three Core Copper Conductor Cables

“POLYCAB” Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	6	3.2	62	5605	0.7	0.8	2.36	62	6190	3.15	2.52	67	8240	243	217	293	500	
120	6	3.4	66	6585	0.7	0.8	2.52	66	7195	3.15	2.68	71	9385	276	246	336	500	
150	6	3.4	69	7545	0.7	0.8	2.68	69	8225	3.15	2.68	73	10460	307	275	378	250	
185	6	3.6	73	8815	0.7	0.8	2.68	73	9485	3.15	2.84	77	11890	346	313	431	250	
240	6	3.8	78	10690	0.7	0.8	2.84	78	11390	4	3	84	14855	398	360	503	250	
300	6	4	83	12685	0.7	0.8	3	82	13420	4	3	88	17050	446	403	571	250	
400	6	4	89	15720	0.7	0.8	3	89	16520	4	3	95	20545	503	453	655	200	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 29 - 19 / 33 KV (E) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAB" Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	8.8	3.6	75	5415	0.7	0.8	2.84	75	6175	3.15	3	80	8665	189	169	227	500	
120	8.8	3.8	79	6040	0.7	0.8	2.84	79	6780	4	3	85	10300	215	192	262	500	
150	8.8	4	82	6580	0.7	0.8	3	82	7295	4	3	88	10950	239	214	294	250	
185	8.8	4	86	7260	0.7	0.8	3	85	8030	4	3	91	11810	270	245	336	250	
240	8.8	4	90	8215	0.7	0.8	3	90	9030	4	3	96	13135	312	282	393	250	
300	8.8	4	95	9165	0.7	0.8	3	94	10035	4	3	101	14265	351	317	448	250	
400	8.8	4	101	10630	0.7	0.8	3	101	11555	4	3	107	16190	400	361	519	250	

TABLE 30 - 19 / 33 KV (E) HT XLPE Three Core Copper Conductor Cables

"POLYCAB" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
95	8.8	3.6	75	7090	0.7	0.8	2.84	75	7855	3.15	3	80	10345	245	215	300	250	
120	8.8	3.8	79	8155	0.7	0.8	2.84	79	8895	4	3	85	12415	275	245	340	250	
150	8.8	4	82	9240	0.7	0.8	3	82	9955	4	3	88	13610	305	275	385	250	
185	8.8	4	86	10515	0.7	0.8	3	85	11285	4	3	91	15065	345	305	435	250	
240	8.8	4	90	12410	0.7	0.8	3	90	13230	4	3	96	17330	395	350	510	250	
300	8.8	4	95	14405	0.7	0.8	3	94	15275	4	3	101	91500	440	390	580	200	
400	8.8	4	101	17555	0.7	0.8	3	101	18490	4	3	107	23115	495	440	660	200	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.

WEIGHT, DIMENSION DATA & CURRENT CARRYING CAPACITY OF CABLES

TABLE 31 - 33 / 33 KV (UE) HT XLPE Three Core Aluminium Conductor Cables

"POLYCAB" Three Core Aluminium Conductor, XLPE Insulated, Unarmoured & Armoured Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
120	9.5	4	83	6640	0.7	0.8	3	83	7395	4	3	89	11100	215	192	262	500	
150	9.5	4	86	7115	0.7	0.8	3	86	7885	4	3	92	11760	239	214	294	250	
185	9.5	4	89	7820	0.7	0.8	3	89	8620	4	3	95	13645	270	245	336	250	
240	9.5	4	94	8800	0.7	0.8	3	94	9675	4	3	100	13900	312	282	393	250	
300	9.5	4	99	9775	0.7	0.8	3	98	10675	4	3	104	15150	351	317	448	250	
400	9.5	4	105	11280	0.7	0.8	3	105	12270	4	3	111	17115	400	361	519	250	

TABLE 32 - 33 / 33 KV (UE) HT XLPE Three Core Copper Conductor Cables

"POLYCAB" Three Core Copper Conductor, XLPE Insulated, Unarmoured & Armoured Screened Cables Conforming to IS: 7098 PART-2/1985:

Nominal Size of Conductor	Nominal Thickness of XLPE Insulation	Unarmoured Cable				Minimum Thickness of Inner Sheath	Aluminium Strip Armoured Cable				Aluminium Round Wire Armoured Cable				Current Carrying Capacity			*Normal Delivery Length
		Nominal Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Minimum Thickness of Strip		Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	Nominal Dimension of Round Wire	Minimum Thickness of PVC Outer Sheath	Approx. Overall Diameter of Cable	Approx. Weight of Cable	In Ground at 30° C	In Duct at 30° C.	In Air at 40° C.		
Sq.mm	mm	mm	mm	Kg/Km	mm	mm	mm	mm	Kg/mm	mm	mm	mm	Kg/mm	Amps	Amps	Amps	Mtrs	
120	9.5	4	83	8750	0.7	0.8	3	83	9510	4	3	89	13210	276	246	336	250	
150	9.5	4	86	9775	0.7	0.8	3	86	10545	4	3	92	14425	307	275	378	250	
185	9.5	4	89	11075	0.7	0.8	3	89	11875	4	3	95	15900	346	313	431	250	
240	9.5	4	94	12995	0.7	0.8	3	94	13865	4	3	100	18095	398	360	503	250	
300	9.5	4	99	15015	0.7	0.8	3	98	15915	4	3	104	20385	446	403	571	200	
400	9.5	4	105	18210	0.7	0.8	3	105	19195	4	3	111	24045	503	453	655	200	

The above data is approximate and subject to manufacturing tolerance.

* Delivery length tolerance is $\pm 5\%$. Length more than normal as per customer request.