

(WEF 4th June 2019)

ALUMINIUM ARMoured POWER CABLES

ALUMINIUM UN- ARMoured POWER CABLES

"POLYCAB" Brand Power Cables, Aluminum conductor , XLPE Insulated, PVC tape/Extruded Innersheathed for Multicore Cables, Armoured as per IS, PVC Type ST2 sheathed, 650/1100V grade as per IS 7098(Part 1) 1988

"POLYCAB" Brand Power Cables, Aluminum conductor, XLPE Insulated, PVC tape/Extruded Innersheathed for Multicore Cables , Unarmoured, PVC Type ST2 sheathed, 650/1100V grade as per IS 7098(Part 1) 1988

Cable Size in sq.mm	A2XWaY/ A2XFaY	A2XWY / A2XFY				Cable Size in sq.mm	A2XY				
	1 Core	2 Core	3 Core	3.5 Core	4 Core		1 Core	2 Core	3 Core	3.5 Core	4 Core
2.5		72	80		92						
4		78	86		99	4		51	55		61
6		91	100		113	6		57	65		77
10		108	126		141	10		68	84		99
16	71	124	134		161	16	39	81	107		132
25	91	139	181	203	220	25	55	114	156	178	190
35	103	161	215	242	269	35	64	135	187	213	237
50	125	200	272	314	347	50	84	174	245	283	311
70	160	268	366	427	470	70	111	233	339	390	433
95	180	344	454	515	573	95	151	313	419	485	543
120	216	409	543	644	702	120	189	374	518	609	677
150	257	494	670	762	865	150	229	454	642	735	840
185	314	616	819	951	1074	185	282	568	798	925	1043
240	385	801	1047	1197	1371	240	353	754	1021	1178	1337
300	469	976	1265	1467	1653	300	433	931	1255	1448	1635
400	589	1229	1608	1868	2100	400	569	1193	1576	1826	2062
500	807	1626	2179	2539	2850	500	677	1500	2054	2374	3678
630	942	2046	2889	3450	3856	630	807	1891	2721	3219	3613
800	1298					800	1131				
1000	1497					1,000	1330				
a) Round Wire Armouring (for armoured cables, 2 x 16, 3 x 16, 3.5CX25 & 4 x 10 & above)		25%				Cable Size (Sq.mm)	FRLS Loading Factor		LSZH		
b) Stranding 10 sq.mm and below		10%					Inner Sheath	Outer Sheath	Inner Sheath	Outer Sheath	
c) Extruded PVC Innersheath Up 50		5%				Upto 16	10%	15%	15%	20%	
Extruded PVC Innersheath 70& above		2.5%				25 - 50	7.5%	10%	12.5%	15%	
d) HR PVC Insulation		10%				70 & above	5%	7.5%	15%	12.5%	
e) HR PVC Inner Sheath		5%					Single Core Power (Al.)				
f) HR PVC Outer Sheath		5%				Upto 16	-N.A-	20%	-N.A-	25%	
g) Oxygen Index (FR)		2.5%				25 - 70	-N.A-	15%	-N.A-	20%	
h) PVC Insulated Cables		8%				95 & above	-N.A-	12.5%	-N.A-	17.5%	

Add: 501-505, A-Wing, Express Zone, W.E.H, Malad-(E), Mum- 97.
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COPPER ARMoured CABLES							COPPER UN- ARMoured CABLES						
"POLYCAB" Brand Cables, Copper conductor , XLPE Insulated, PVC tape/Extruded Innersheathed for Multicore Cables, Armoured as per IS, PVC Type ST2 sheathed, 650/1100V grade as per IS 7098(Part 1) 1988							"POLYCAB" Brand Cables, Copper conductor, XLPE Insulated, PVC tape/Extruded Innersheathed for Multicore Cables , Unarmoured, PVC Type ST2 sheathed, 650/1100V grade as per IS 7098(Part 1) 1988						
Cable Size in sq.mm	2XWaY/ 2XFaY	2XWY / 2XFY					Cable Size in sq.mm	2XY					
	1 Core	2 Core	3 Core	3.5 Core	4 Core	5 Core		1 Core	2 Core	3 Core	3.5 Core	4 Core	
	Rate Per Meter							Rate Per Meter					
25	336	634	908	1093	1196	1633	25	290	568	851	1027	1125	
35	455	866	1249	1434	1649	2255	35	400	787	1177	1355	1559	
50	615	1176	1703	1991	2256	3086	50	547	1076	1615	1889	2139	
70	866	1664	2419	2818	3232		70	778	1530	2306	2688	3085	
95	1217	2389	3473	4058	4659		95	1045	2129	3203	3739	4289	
120	1530	2997	4365	5199	5851		120	1320	2679	4030	4800	5412	
150	1903	3737	5448	6283	7303		150	1649	3343	5039	5810	6764	
185	2342	4598	6704	7838	8981		185	2030	4121	6210	7262	8332	
240	3006	5914	8637	10067	11576		240	2616	5314	8014	9343	10755	
300	3748	7365	10753	12541	14424		300	3259	6629	9992	11654	13415	
400	4911	9656	14110	16316	18925		400	4286	8703	13121	15183	17625	
500	6196						500	5412					
630	7798						630	6817					
800	9881						800	8651					
1000	12334						1000	10810					
Number of Cores	ARMoured - 2XWY/2XFY		Number of Cores	ARMoured - 2XWY/2XFY			Number of Cores	UN- ARMoured - 2XWY/2XFY		Number of Cores	UN- ARMoured - 2XWY/2XFY		
	1.5 sqmm	2.5 sqmm		1.5 sqmm	2.5 sqmm			1.5 sqmm	2.5 sqmm		1.5 sqmm	2.5 sqmm	
2	81	105	14	333	462		2	57	81	14	270	419	
3	99	133	16	344	521		3	71	104	16	306	480	
4	118	165	19	399	610		4	89	133	19	360	567	
5	138	198	24	499	765		5	106	159	24	455	713	
6	158	230	27	557	852		6	125	190	27	509	798	
7	175	260	30	638	982		7	142	218	30	583	914	
8	198	292	37	778	1199		8	165	249	37	712	1121	
10	254	342	44	945	1483		10	198	307	44	844	1347	
12	292	400	61	1290	2021		12	234	364	61	1161	1852	
a) Stranding upto 6 sq.mm				6%									
b) Extruded PVC Innersheath				2.5%									
c) Tinning				3%									
d) HR PVC Insulation/ Innersheath/ Outersheath (each)				5%									
e) FRLS Loading Power Cables				7.5%									
f) Oxygen Index (FR)				2.5%									
g) PVC Insulated Cables				5%									
ARMoured						UN- ARMoured							
Cores	FRLS Loading Factor		LSZH		Cores	FRLS Loading Factor		LSZH					
	Inner Sheath	Outer Sheath	Inner Sheath	Outer Sheath		Inner Sheath	Outer Sheath	Inner Sheath	Outer Sheath				
2 - 4	5%	7.5%	15%	15%	2 - 4	5%	7.5%	15%	15%				
5 - 10	5%	7.5%	15%	15%	5 - 10	5%	7.5%	15%	15%				
12 &	5%	7.5%	12.5%	12.5%	12 &	5%	7.5%	12.5%	12.5%				
ROUND WIRE ARMOURING													
1C x 95 sq. mm & above				7.5%									
1.5 sq.mm - 12 core & above				15%									
2.5 sq.mm - 9 core & above				15%									
10 sq.mm - 4 core & above				15%									
16 sq.mm - 2 core & above				15%									
16 sq.mm - 3 core & above				15%									

Add: 501-505, A-Wing, Express Zone, W.E.H, Malad-(E), Mum- 97.

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3 CORE HT XLPE

"POLYCAB" Brand Stranded Compact Circular Aluminium Conductor, Conductor Screen With Extruded Semi Conducting Compound, XLPE Insulated, Insulation Screening with extruded Semi Conducting Compound in combination with Copper Tape (0.2kA for 1 sec/Core), innersheath of PVC tape, galvanised flat steel strip armoured and overall PVC Sheathed Cable conforming to IS 7098 / (PART-II) 1985 with latest amendments.

Cables Size in Sq. MM	3.3 KV (E) / 3.3 KV (U/E)	6.6 KV (E)	6.6 KV (U/E) & 11 KV (E)	11 KV (UE)	22 KV (E)	33 KV (E)	33 KV (UE)
25							
35			560				
50			633				
70	659	704	752				
95	798	838	890	1151	1198	1597	
120	939	979	1026	1338	1367	1822	
150	1060	1104	1147	1479	1508	1929	2291
185	1249	1274	1335	1653	1690	2130	2537
240	1480	1541	1601	1945	1981	2437	2877
300	1748	1838	1862	2236	2272	2737	3208
400	2125	2298	2341	2629	2676	3169	3690
EXTRA FOR SPECIAL CONSTRUCTION:							
1) Extruded PVC Inner Sheath			3%				
2) Pressure Extruded PVC Innersheath			13%				
3) Round Wire Armouring - Up to 11 KV (E)			25%				
11 KV (UE) & Above			27.5%				
4) FRLS PVC Inner Sheath			5%				
5) FRLS PVC Outer Sheath			5%				
6) FR Sheath with Oxygen Index			3%				

1 CORE HT XLPE

"POLYCAB" Brand Stranded Compact Circular Aluminium Conductor, Conductor Screen with extruded semi conducting compound, XLPE insulated, insulation screening with extruded semi conducting compound in combination with Copper tape (0.2kA for 1sec), AL flat strip / round armoured and overall PVC sheathed cable conforming to IS 7098 / (PART-II) 1985 with latest amendments.

Cables Size in Sq. MM	3.3 KV (E) & 3.3 KV (UE)		6.6 KV (E)		6.6 KV (U/E) & 11 KV (E)		11 KV (UE)	
	Alu. Flat.	Alu. Round	Alu. Flat.	Alu. Round	Alu. Flat.	Alu. Round	Alu. Flat.	Alu. Round
35					231	243		
50					254	268		
70	267	281	274	288	292	306		
95	303	318	306	323	325	341	422	446
120	341	359	344	363	366	386	489	513
150	380	401	385	406	402	425	529	556
185	437	461	449	472	482	509	614	646
240	541	569	552	580	607	638	706	743
300	627	660	643	678	708	747	796	837
400	750	790	781	822	848	891	942	991
500	945	996	991	1044	1027	1080	1178	1238
630	1172	1233	1192	1255	1223	1288	1398	1469
800	1453	1529	1466	1542	1486	1564	1631	1717
1000	1752	1844	1759	1851	1932	2036	2124	2234
Cables Size in Sq. MM	22 KV (E)		33 KV (E)		33 KV (UE)			
	Alu. Flat.	Alu. Round	Alu. Flat.	Alu. Round	Alu. Flat.	Alu. Round		
95	438	462	586	616				
120	494	520	644	679				
150	538	565	673	708	798	839		
185	630	662	748	787	874	920		
240	724	761	846	890	1037	1092		
300	813	857	991	1044	1143	1203		
400	964	1013	1133	1192	1308	1376		
500	1178	1238	1391	1465	1509	1589		
630	1398	1469	1630	1716	1767	1859		
800	1631	1717	1867	1965	2124	2234		
1000	2124	2234	2277	2389	2438	2567		
EXTRA FOR SPECIAL CONSTRUCTION:								
1) FRLS PVC Inner Sheath			5%					
2) FRLS PVC Outer Sheath			5%					
3) Oxygen Index			3%					

Add: 501-505, A-Wing, Express Zone, W.E.H, Malad-(E), Mum- 97.

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