

Single Core Copper Conductor XLPE Insulated Power Cable



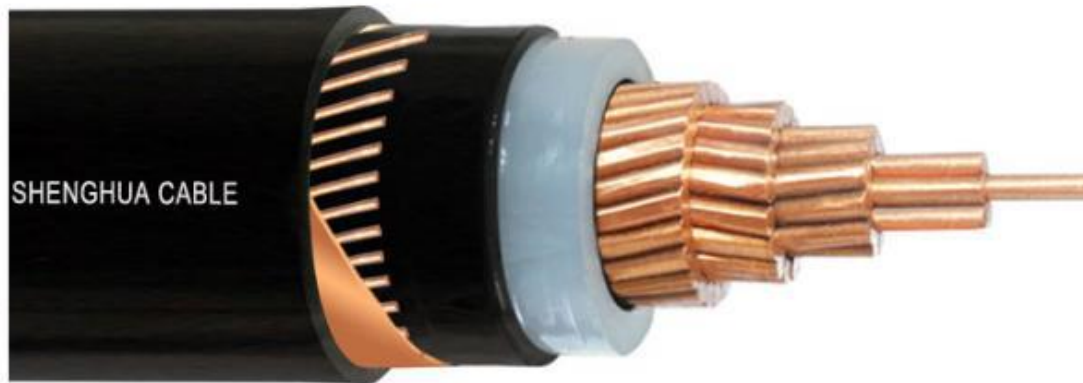
XLPE insulated power cable has a number of advantages over paper insulated and PVC insulated cable. XLPE cable has high electric strength, mechanical strength, high-ageing resistance, environment stress resisting anti-chemical corrosion, and it is simple construction, using convenient and higher operating of long term temperature. It can be laid with no drop restriction.

Various of flame-retardant and non-flame retardant XLPE cable can be manufactured with three technologies(peroxide, silence and irradiation cross linking). The flame-retardant cable covers all kinds of low-smoke, low-halogen, low-smoke halogen free and non-smoke no halogenated and three classes of A, B, C.

Our XLPE cable can be manufactured according to company's specification which is equivalent to IEC60502, IEC60332, IEC 60754. Some of indexes are superior to above international standard IEC.

XLPE Power Cable Features:

- Excellent electric and mechanical properties;
- Powerful resistance against chemical corrosion;
- High performance of heat resistance and environmental stress resistance;
- No restriction of different levels for laying



600/1000V XLPE insulated and PVC sheathed power cable:

Rated voltage: 600/1000V

Conductor: BS 60228 Class 2, standard copper or aluminum(IEC 6360)

Insulation: Cross linked polyethylene(XLPE)

Insulation Color: Standard

Sheath(jacket): BS6746 TM1 PVC Compound

Operating temperature: 90 °c

Mini bending radius: 10*overall insulated diameter

Standard: BS5467 and IEC 60502

600/1000V XLPE insulated PVC sheathed aluminum wire armoured power cable:

Rated voltage: 600/1000V

Conductor: BS 60885 Class 2, standard copper or aluminum(IEC 60228)

Insulation: Cross linked polyethylene(XLPE)

Insulation Color: Standard

Armouring: Round aluminum wire

Sheath(jacket): BS6746 TM1 PVC Compound

Operating temperature: 90°c

Mini bending radius: 15*overall insulated diameter

Standard: BS6346 and IEC 60502



Single core Copper conductor XLPE Insulated Power Cable Parameter Datasheet:

Nominal Cross Section mm ²	Overall Dia. Mm	Nominal Thickness of Insulation mm	Size of Armour			Approx. Overall Diameter & Weight																Recommending Current Rating A	
			Steel Tape	Fine Steel Wire	Thick Steel Wire	YJV		YJY		YJV22		YJV23		YJV32		YJY33		YJV42		YJY43			
						Layer x Thickness	Dia. mm	Dia. mm	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm	Weight kg/km	Overall Dia. mm
1.5	1.38	0.7	2 x 0.3	1.6	4.0	5.7	44	5.7	36	14.9	334	14.9	302	16.9	594	16.9	558	21.7	1366	21.7	1318	45	32
2.5	1.78	0.7	2 x 0.3	1.6	4.0	6.1	56	6.1	48	14.9	341	14.9	309	16.9	601	16.9	565	21.7	1373	21.7	1325	59	42
4	2.25	0.7	2 x 0.3	1.6	4.0	6.5	73	6.5	64	14.9	354	14.9	322	16.9	614	16.9	577	21.7	1386	21.7	1337	77	56
6	2.76	0.7	2 x 0.3	1.6	4.0	7.0	95	7.0	85	14.9	365	14.9	333	16.9	625	16.9	588	21.7	1397	21.7	1348	97	70
10	3.57	0.7	2 x 0.3	1.6	4.0	7.9	138	7.9	126	14.9	395	14.9	363	16.9	655	16.9	619	21.7	1427	21.7	1379	130	97
16	4.50	0.7	2 x 0.3	1.6	4.0	8.8	198	8.8	184	15.0	444	15.0	411	17.0	702	17.0	665	22.6	1602	22.6	1552	170	125
25	6.30	0.9	2 x 0.3	1.6	4.0	11.0	309	11.0	290	15.4	523	15.4	490	17.4	778	17.4	740	24.8	1844	24.8	1788	220	165
35	7.30	0.9	2 x 0.3	1.6	4.0	12.0	409	12.0	389	16.4	641	16.4	605	18.4	919	18.4	878	25.8	2061	25.8	2002	265	200
50	8.30	1.0	2 x 0.3	1.6	4.0	13.2	560	13.2	538	17.6	813	17.6	775	19.6	1111	19.6	1067	27.0	2330	27.0	2269	320	245
70	10.00	1.1	2 x 0.3	1.6	4.0	15.1	764	15.1	738	19.5	1050	19.5	1007	21.5	1394	21.5	1346	29.1	2674	29.1	2604	295	305
95	11.60	1.1	2 x 0.3	1.6	4.0	16.9	1016	16.9	985	21.1	1323	21.1	1276	23.1	1699	23.1	1646	30.7	3042	30.7	2968	475	375
120	13.00	1.2	2 x 0.3	1.6	4.0	18.5	1265	18.5	1230	22.7	1598	22.7	1547	24.7	1991	24.7	1935	32.5	3532	32.5	3449	545	435
150	14.60	1.4	2 x 0.3	1.6	4.0	20.7	1579	20.7	1537	24.7	1937	24.7	1881	26.7	2375	26.7	2314	34.5	3967	34.5	3879	610	500
185	16.20	1.6	2 x 0.3	1.6	4.0	22.8	1932	22.8	1886	26.8	2325	26.8	2264	28.8	2791	28.8	2725	36.8	4465	36.8	4366	695	580
240	18.60	1.7	2 x 0.3	1.6	4.0	25.6	2485	25.6	2430	29.6	2914	29.6	2852	31.6	3445	31.6	3369	39.6	5265	39.6	5153	810	685
300	20.80	1.8	2 x 0.3	1.6	4.0	28.2	3083	28.2	3019	32.0	2549	32.0	3471	34.2	4126	34.2	4390	42.2	6108	42.2	5983	910	795
400	24.30	2.0	2 x 0.3	2.0	4.0	32.3	4082	32.3	4004	36.3	4629	36.3	4531	39.3	5570	39.3	5459	46.3	7473	46.3	7330	1050	930
500	28.80	2.2	2 x 0.5	2.0	4.0	37.2	4951	37.2	4855	42.2	5848	42.2	5729	44.3	6647	44.3	6518	51.4	8721	51.4	8556	1190	108
630	33.00	2.4	2 x 0.5	2.5	4.0	42.2	6457	42.2	6338	47.3	77476	47.3	7334	50.4	8798	50.4	8641	56.2	10691	56.2	10502	1350	1250
800	37.29	2.6	2 x 0.5	2.5	4.0	47.1	8190	47.1	8050	52.3	9331	52.3	9165	55.6	10790	55.6	10603	61.4	12826	61.4	12603	1520	1440
1000	41.80	2.8	2 x 0.5	2.5	4.0	52.2	10230	52.2	10068	57.7	11533	57.7	11337	60.9	13135	60.9	12922	66.5	15350	66.5	15100	1690	1630