

JINSHUI WIRE & CABLE GROUP ZHENGZHOU JINSHUI INDUSTRY & COMMERCE CO.,LTD.



0.6/1kV XLPE INSULATED POWER CABLE

JINSHUI WIRE & CABLE GROUP

ZHENGZHOU JINSHUI INDUSTRY AND COMMERCE CO.,LTD.

Add: 6 Bldg.,No.1,Cuizhu Street,High & New Technology Industries
Development Zone,Zhengzhou,China

Comercial Libra Ltda.

Osorno 0566 La Granja

Santiago Chile

Fono (56-2) 5110417,5251329

Fax (56-2) 5110633

ventas@comerciallibra.cl



NO.6 | 063-084

0.6/1kV XLPE
INSULATED POWER CABLE

1. 0.6/1kV 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 resisting, environmental 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 technology (peroxide, silane and irradiation crosslinking). The flame-retardant cable covers all kinds of low-smoke low-halogen, low-smoke halogen free, and non-smoke nonhalogenated and three classes of A, B, C.

Our XLPE cable can be manufactured according to company's specification which is equivalent to IEC 60502, IEC 60332, and IEC 60754. Some of indexes are superior to above international standard IEC.

Some of special XLPE cable can be manufactured according to the other standards required by customs.

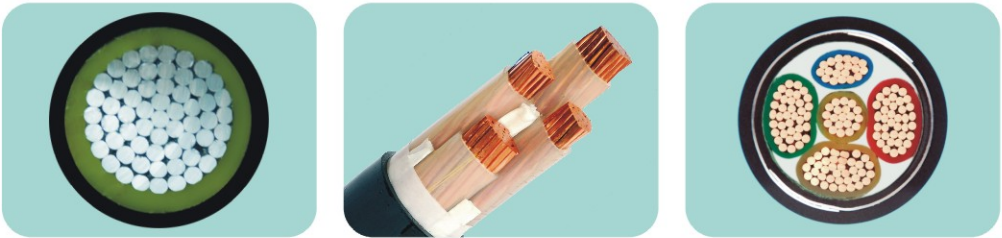
XLPE cable having higher long-term working temperature and greater current rating, at the same environment XLPE cable may be reduced size (nominal cross-section) 1 or 2 class in comparison with paper and PVC cable. This is not only improve the quality and properties of products, but also reduce cable's production costs.

2. Scope of XLPE Cable

Type				No. of Cores	Nominal Cross-Section of Conductor (mm ²)
YJV	YJLV	YJV	YJLY	1	1.5~1000
YJV22	YJLV22	YJV23	YJLV23		
YJV32	YJLV32	YJV33	YJLV33		
YJV42	YJLV42	YJV43	YJLV43		
ZR-YJV*		ZR-YJLV		2	1.5~400**
ZR-YJY		ZR-YJLY		3	
ZR-YJV22		ZR-YJLV22		4	
ZR-YJV23		ZR-YJLV23		5	
ZR-YJV32		ZR-YJLV32		3+1	2.5~400
ZR-YJV33		ZR-YJLV33			
ZR-YJV42		ZR-YJLV42			
ZR-YJV43		ZR-YJLV43			

* ZR-” covers three classes A, B, C of flame-retardant cable. It can be expressed as “ZRA-”, or “ZRB-” or “ZRC-” separately. For example: “ZRB-YJV”, or “ZRA-YJV22”.

**Only technical data of common cable are listed in Table of Cable's construction, weight and electrical properties.



Attached Table

Cross-section area of neutral conductor in 3+1 cores, 4+1 cores and 3+2 cores should conform to specification of following table:

Nominal Cross-section (mm ²)	Main Cores	2.5	4	6	10	16	25	35	50
	Neutral Core	1.5	2.5	4	6	10	16	16	25

Nominal cross-section (mm ²)	Main Cores	70	95	120	150	185	240	300	400
	Neutral Core	35	50	70	70	95	120	150	185

3. Name and Type of XLPE Cable

Type		Name
Cu Core	Al Core	
YJV (YJY)	YJLV (YJLY)	XLPE Insulated, PVC (PE) Sheathed Power Cable
YJV ₂₂ (YJV ₂₃)	YJLV ₂₂ (YJLV ₂₃)	XLPE Insulated, Steel Tape Armoured, PVC (PE) Sheathed Power Cable
YJV ₃₂ (YJV ₃₃)	YJLV ₃₂ (YJLV ₃₃)	XLPE Insulated, Fine Steel Wire Armoured, PVC (PE) Sheathed Power Cable
YJV ₄₂ (YJV ₄₃)	YJLV ₄₂ (YJLV ₄₃)	XLPE Insulated, Thick Steel Wire Armoured, PVC (PE) Sheathed Power Cable
ZR-YJV (ZR-YJY)	ZR-YJLV (ZR-YJLY)	XLPE Insulated, PVC (PE) Sheathed Flame-retardant Power Cable
ZR-YJV ₂₂ (ZR-YJV ₂₃)	ZR-YJLV ₂₂ (ZR-YJLV ₂₃)	XLPE Insulated, Steel Tape Armoured, PVC (PE) Sheathed Flame-retardant Power Cable
ZR-YJV ₃₂ (ZR-YJV ₃₃)	ZR-YJLV ₃₂ (ZR-YJLV ₃₃)	XLPE Insulated, Fine Steel Wire Armoured, PVC (PE) Sheathed Flame-retardant Power Cable
ZR-YJV ₄₂ (ZR-YJV ₄₃)	ZR-YJLV ₄₂ (ZR-YJLV ₄₃)	XLPE Insulated, Thick Steel Wire Armoured, PVC (PE) sheathed Flame-retardant Power Cable

4. Main Technical Characteristics of Cable

A. D.C. Resistance: Conductor resistance of finished cable per kilometer at 20°C is not more than the following

Nominal Cross-section (mm ²)	1.5	2.5	4	6	10	16	25
Cu Core (Ω/km)	12.1	7.41	4.61	3.08	1.83	1.15	0.727
Al Core (Ω/km)	18.1	12.1	7.41	4.61	3.08	1.91	1.20

0.6/1kV XLPE
INSULATED POWER CABLE

Nominal Cross-section (mm ²)	35	50	70	95	120	150	185
Cu Core (Ω/km)	0.524	0.387	0.268	0.193	0.153	0.124	0.0991
Al Core (Ω/km)	0.868	0.641	0.443	0.320	0.253	0.206	0.164
Nominal Cross-section (mm ²)	240	300	400	500	630	800	1000
Cu Core (Ω/km)	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221	0.0176
Al Core (Ω/km)	0.125	0.100	0.0778	0.0605	0.0469	0.0367	0.0291

B. Voltage Test

Each drum of finished cable should withstand power frequency voltage 3.5KV for 5 minutes,the insulation is not breakdown.

C. Test on bunched Cable Under fire conditions.

1.Category of Sample

The number of cable lengths required to give a total volume of combustible material per meter of:

- Category A:7 Liters
Category B:3.5 Liters
Category C:1.5 Liters

2.Duration of application of the flame

In the case of cables samples in Category A and B the test flame should be applied for 40 min.
Cable samples in Category C should have the test flame applied for 20 min.

3.Evaluation

After burning has ceased,the charred portion of cable should not have reached a height exceeding 2.5m.

5.Service Conditions and Parameters of Cable

The cable is applied to fixed installation for rated voltage 0.6/1kV of power transportation and distribution line.

Max.Rated Temperature of conductor: Nominal Operating 90℃
Short Circuit: (Max.for 5 Sec.) 250℃

Temperature of laying, in air 25℃
under ground 15℃

For laying,single core,triangle laying for three cables.

Depth of laying in direct: 100cm

Coefficient of thermal resistivity of soil 100℃.cm/w

The cable can be laid without drop restriction,and the environment temperature shall not be lower than 0℃.

Single core,steel tape armoured cable should be only applied to DC line.

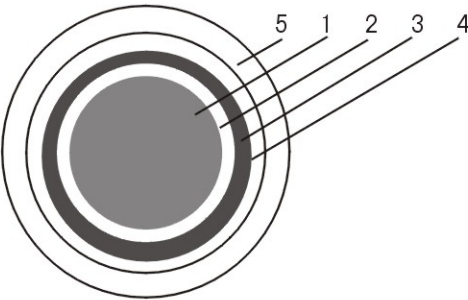
For nominal insulation thickness,size of armour,over all diameter,weight and current rating of retardant-flame cable of class A,B,C,you should refer to the value of general cable.

6.Construction,Weight and Current-rating of Cable

The diagram of structure:

The Diagrams of Single-Core Cables

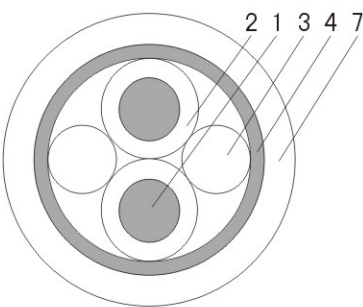
The Diagrams of Single-Core Cables



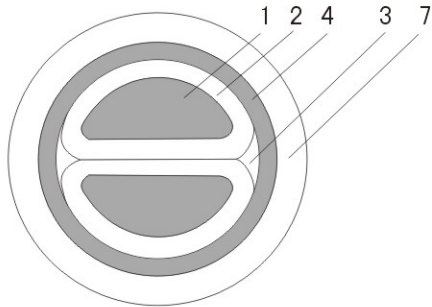
Solid-core or twisted conductor inner-steel-tape (or wire) -armoured XLPE cables (Type YJV22, YJLV22, YJV23, YJLV23,YJV32, YJLV32, YJV33 and YJLV33)

1. Copper (or aluminium) conducting core
2. XLPE insulation
3. Non-woven cloth wrapped inner bedding material layer
4. Double steel tape (steel wire) armoured layer
5. PVC or PE outer sheath

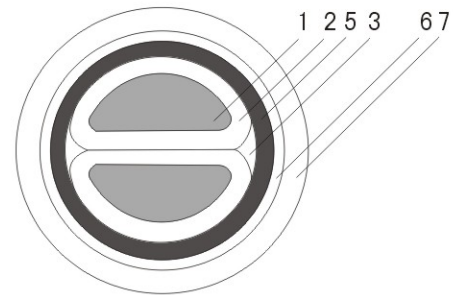
The Diagrams of Double-Core Cables



Solid-core round conductor non-armoured XLPE cables (Type YJV,YJLV,YJY and YJLY)



Solid-core or twisted tightly-pressed semi-cylindrical conductor non-armoured XLPE cables (Type YJV,YJLV,YJY and YJLY)

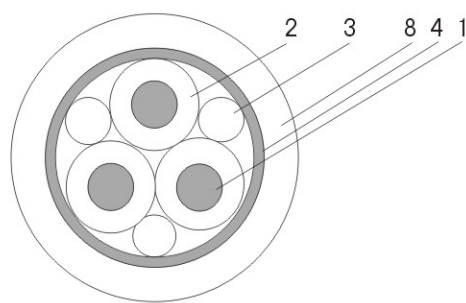


Solid-core or twisted tightly-pressed semi-cylindrical conductor inner-steel-tape (or wire)-armoured XLPE cables (Type YJV22, YJLV22, YJLV23, YJV32, YJV33, YJV32, YJLV32, YJV33 and YJLV33)

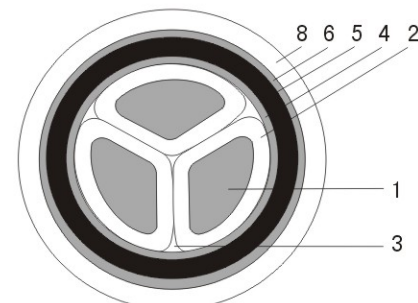
1. Copper (or aluminium) conductive core
2. XLPE insulation
3. PP filler
4. Cable core wrapping tape
5. Non-woven cloth wrapped inner bedding material layer
6. Double steel tape (steel wire) armoured layer
7. PVC or PE outer sheath

0.6/1kV XLPE INSULATED POWER CABLE

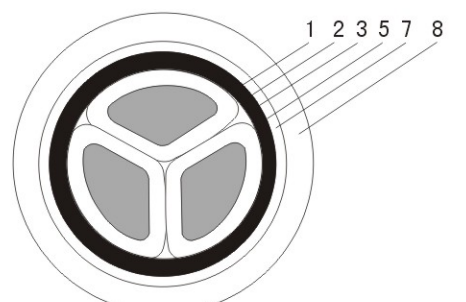
The Diagrams of Three-Core Cables



Solid-core round conductor non-armoured XLPE cables (Type YJV, YJLV, YJY and YJLY)



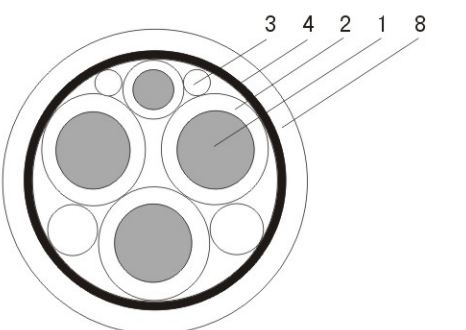
Solid-core or tightly-pressed twisted sector conductor fine (thick)-steel-wire-inner-armoured XLPE cables (Type YJV32, YJLV32, YJV33, YJLV33, YJV42, YJLV42, YJV43, YJLV43)



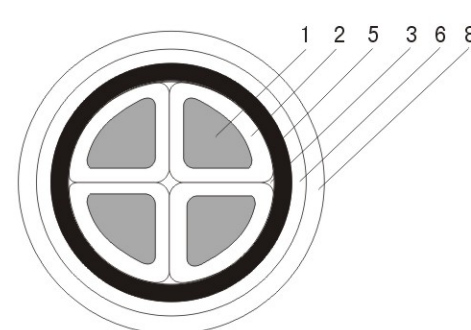
Solid-core or tightly-pressed twisted sector conductor inner-steel-tape—armoured XLPE cables (Type YJV22, YJLV22, YJV23, YJLV23)

1. Copper (or aluminium) conductive core
2. XLPE insulation
3. PP filler
4. Cable core wrapping tape
5. Non-woven cloth wrapped inner bedding material layer
6. Single layer of inner-armoured fine (thick) steel wire
7. Double steel tape armoured layer
8. PVC or PE other sheath

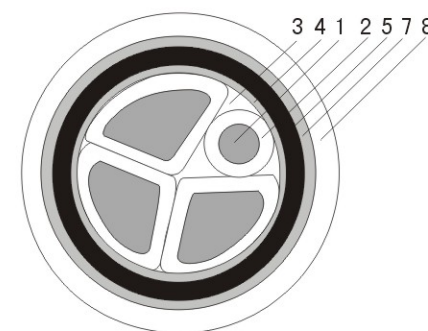
The Diagrams of Four-Core Cables



Solid-core round conductor non-armoured XLPE cables (Type YJV, YJLV, YJY and YJLY)



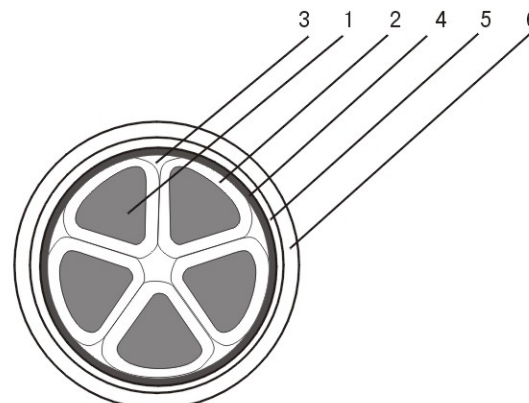
Solid-core or tightly—pressed sector (equal section) inner-steel-tape(or wire)-armoured XLPE cables (Type YJV22, YJV23, YJLV22, YJLV23, YJV32, YJLV32, YJV33, YJLV33)



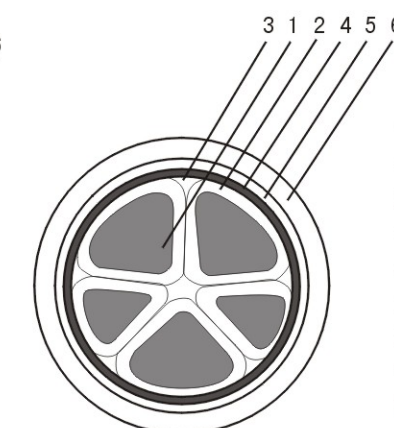
Solid-core or tightly-pressed sector (3+1) inner-fine (thick) steel-wire-armoured XLPE cables (Type YJV32, YJLV32, YJV33, YJLV33, YJV42, YJLV42, YJV43, YJLV43)

1. Copper (or aluminium) conductive core
2. XLPE insulation
3. PP filler
4. Cable core wrapping tape
5. Non-woven cloth wrapped inner bedding material layer
6. Double steel tape armoured layer
7. Single layer of inner-armoured fine (thick) steel wire
8. PVC or PE other sheath

The Diagrams of Five-Core Cables

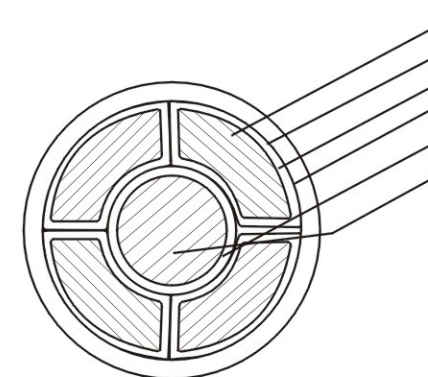


Solid-core or tightly—pressed sector (equal section) inner-steel-tape (or wire) -armoured XLPE cables



Solid-core or tightly-pressed sector (3+2) inner-steel-tape (or wire)-armoured XLPE cables

1. Copper (or aluminium) conductive core
2. XLPE insulation
3. PP filler
4. Wrapped inner bedding material layer
5. Steel tape (steel wire) armoured layer
6. PVC or PE other sheath.



Five core cable with tile type conductor

1. Tile type conductor
2. Wrapping layer
3. Insulation for tile type conductor
4. Outer sheath
5. Insulation for protection conductor
6. Conductor for protection

Single Core,Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Over-Diameter (mm)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx.Overall Diameter & Weight																		Recommending Current Rating (A)		
			Steel Tape	Fine Steel Wire	Thick Steel Wire	YJV			YJV22			YJV23			YJV32			YJV42			YJV43					
						Layer x Thickness	Dia. (mm)	Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	In Ground	In Air
1.5	1.38	0.7	2 x 0.3	1.6	4.0	5.7	44	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	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	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	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	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	14.9	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	3549	32.0	3471	34.2	4126	34.2	4339	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			

Two Cores,Copper Conductor,XLPE Insulated Power Cable

Nominal Cross- Section Diameter (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour mm			Approx.Overall Diameter & Weight												Recommending Current Rating (A)					
		Steel Tape	Fine Steel Wire	Thick Steel Wire	YJV			YJV22			YJV23			YJV32			YJV42			YJV43	In Ground	In Air
					Layer x Thickness	Dia. (mm)	Over- Dia. (mm)	Weight Kg/km	Over- Dia. (mm)	Weight Kg/km	Over- Dia. (mm)	Weight Kg/km	Over- Dia. (mm)	Weight Kg/km	Over- Dia. (mm)	Weight Kg/km						
1.5	0.7	2 x 0.3	1.6	4.0	10.2	89	15.1	294	15.1	262	17.1	543	17.1	505	23.2	1447	23.2	1394	40	34		
2.5	0.7	2 x 0.3	1.6	4.0	11.0	115	15.0	307	15.0	275	17.0	557	17.0	520	24.0	1586	24.0	1531	50	45		
4	0.7	2 x 0.3	1.6	4.0	12.0	151	15.0	333	15.0	300	17.0	582	17.0	545	25.0	1635	25.0	1579	65	55		
6	0.7	2 x 0.3	1.6	4.0	13.0	178	15.1	369	15.1	336	17.1	617	17.1	580	26.0	1799	26.0	1740	82	70		
10	0.7	2 x 0.3	1.6	4.0	14.6	289	16.7	482	16.7	446	18.8	763	18.8	722	27.6	2013	27.6	1950	120	99		
16	0.7	2 x 0.3	1.6	4.0	16.5	416	18.6	636	18.6	595	20.6	948	20.6	902	29.5	2373	29.5	2305	140	120		
25	0.9	2 x 0.3	1.6	4.0	16.6	579	20.2	889	20.2	844	22.2	1301	22.2	1251	30.0	2798	30.0	2722	180	160		
35	0.9	2 x 0.3	1.6	4.0	18.0	768	21.7	1101	21.7	1053	23.7	1536	23.7	1482	31.7	3135	31.7	3051	215	200		
50	1.0	2 x 0.3	1.6	4.0	19.9	1057	19.9	1379	23.5	1326	25.7	1881	25.7	1820	33.7	3539	33.7	3445	255	240		
70	1.1	2 x 0.3	2.0	4.0	22.6	1475	22.6	1853	26.4	1790	29.4	2628	29.4	2554	36.6	4243	36.6	4136	315	300		
95	1.1	2 x 0.3	2.0	4.0	25.2	1990	25.2	2420	29.2	2342	32.0	3247	32.0	3162	39.2	4912	39.2	4792	380	375		
120	1.2	2 x 0.5	2.0	4.0	27.7	2490	27.7	2421	32.5	3070	34.7	3897	34.7	3796	41.7	5685	41.7	5552	430	430		
150	1.4	2 x 0.5	2.5	4.0	30.9	2984	35.7	3816	35.7	3711	38.9	4990	38.9	4871	44.7	6530	44.7	6382	480	490		
185	1.6	2 x 0.5	2.5	4.0	34.0	3732	39.0	4663	39.0	4539	42.2	5927	42.2	5787	48.0	7589	48.0	7417	540	570		

Three Cores,Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx. Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Thin Steel Wire	Thick Steel Wire	YJV		YJV22		YJV23		YJV32		YJV33		YJV42		YJV43					
			Layer x Thickness	Dia. (mm)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)		Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	In Ground
1.5	0.7	2 x 0.3	1.6	4.0	10.7	131	109	15.1	308	15.1	276	17.1	557	17.1	520	23.7	1575	23.7	1521	28	21	
2.5	0.7	2 x 0.3	1.6	4.0	11.5	169	145	15.0	332	15.0	300	17.0	582	17.0	544	24.5	1623	24.5	1567	38	30	
4	0.7	2 x 0.3	1.6	4.0	12.6	222	196	15.1	373	15.1	340	17.1	621	17.1	584	25.5	1790	25.5	1732	50	49	
6	0.7	2 x 0.3	1.6	4.0	13.7	291	262	15.8	442	15.8	408	17.8	700	17.8	661	26.6	1974	26.6	1914	65	55	
10	0.7	2 x 0.3	1.6	4.0	15.4	424	391	17.5	595	17.5	557	19.5	885	19.5	841	28.4	2229	28.4	2164	89	78	
16	0.7	2 x 0.3	1.6	4.0	17.4	611	573	19.5	819	19.5	776	21.5	1141	21.5	1093	30.4	2542	30.4	2472	115	105	
25	0.9	2 x 0.3	1.6	4.0	21.0	902	855	24.6	1241	24.6	1186	26.6	1670	26.6	1609	34.4	3211	34.4	3123	150	140	
35	0.9	2 x 0.3	1.6	4.0	23.2	1188	1136	26.8	1563	26.8	1502	28.8	2033	28.8	1967	36.8	3747	36.8	3647	180	170	
50	1.0	2 x 0.3	1.6	4.0	25.8	1559	1501	29.6	1988	29.6	1916	31.8	2513	31.8	2432	39.6	4269	39.6	4157	215	205	
70	1.1	2 x 0.3	2.0	4.0	29.3	2195	2125	33.1	2678	33.1	2593	36.1	3502	36.1	3405	43.1	5262	43.1	5134	265	260	
95	1.1	2 x 0.5	2.0	4.0	32.6	2959	32.6	2876	37.4	3745	36.0	39.4	4392	39.4	4280	46.6	6299	46.6	6149	315	320	
120	1.2	2 x 0.5	2.0	4.0	35.6	3701	35.6	3606	40.4	4557	40.4	4438	42.4	5258	42.4	5132	49.6	7289	49.6	7124	360	370
150	1.4	2 x 0.5	2.5	4.0	38.9	4614	38.9	4499	43.7	5545	43.7	5410	46.9	6706	46.9	6555	52.7	8436	52.7	8252	405	430
185	1.6	2 x 0.5	2.5	4.0	42.7	5740	42.7	5609	47.9	6801	47.9	6641	51.1	8104	51.1	7926	56.7	9948	56.7	9736	460	490
240	1.7	2 x 0.5	2.5	4.0	47.5	7435	47.5	7276	52.9	8634	52.9	8444	56.1	10062	56.1	9852	61.3	11996	61.3	11758	530	580
300	1.8	2 x 0.5	2.5	4.0	52.0	9215	52.0	9028	57.4	10526	57.4	10311	60.6	12082	60.6	11847	65.8	14149	65.8	13877	590	660
400	2.0	2 x 0.5	3.15	4.0	58.0	11771	58.0	11540	63.8	13284	63.8	13020	68.5	15744	68.5	15448	71.8	17206	71.8	16881	670	750

Four Cores,Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx. Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Thin Steel Wire	Thick Steel Wire	YJV	YJY		YJV22		YJV23		YJV32		YJV33		YJV42		YJV43				
			Layer x Thickness	Over-Dia. (mm)		Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
1.5	0.7	2 x 0.3	1.6	4.0	11.4	155	132	14.9	318	14.9	286	17.0	593	17.0	556	24.4	1607	24.4	1552	28	21	
2.5	0.7	2 x 0.3	1.6	4.0	12.4	204	178	15.0	354	15.0	321	18.0	663	18.0	623	25.4	1770	25.4	1713	38	30	
4	0.7	2 x 0.3	1.6	4.0	13.5	273	244	15.6	422	15.6	388	19.1	770	19.1	728	26.5	1954	26.5	1893	50	49	
6	0.7	2 x 0.3	1.6	4.0	14.8	362	330	16.9	526	16.9	489	20.3	916	20.3	871	27.7	2057	27.7	1994	65	55	
10	0.7	2 x 0.3	1.6	4.0	16.7	535	498	18.8	723	18.8	681	22.3	1148	22.3	1098	29.7	2457	29.7	2389	89	78	
16	0.7	2 x 0.3	1.6	4.0	19.0	780	738	21.1	995	21.1	947	24.5	1472	24.5	1416	31.9	2831	31.9	2757	115	105	
25	0.9	2 x 0.3	1.6	4.0	21.9	1152	1103	25.5	1505	25.5	1447	27.5	1942	27.5	1879	35.5	3591	35.5	3496	150	140	
35	0.9	2 x 0.3	1.6	4.0	23.7	1524	1471	27.3	1908	27.3	1845	29.5	2386	29.5	2315	37.5	4105	37.5	4000	180	170	
50	1.0	2 x 0.3	2.0	4.0	25.9	2010	1951	29.9	2453	29.9	2377	32.9	3206	32.9	3118	39.9	4739	39.9	4622	215	205	
70	1.1	2 x 0.5	2.0	4.0	29.9	2858	2783	34.5	3566	34.5	3473	36.7	4197	36.7	4094	43.7	5936	43.7	5802	265	260	
95	1.1	2 x 0.5	2.0	4.0	33.7	3870	3778	38.5	4679	38.5	4566	40.5	5362	40.5	5243	47.7	7330	47.7	7171	315	320	
120	1.2	2 x 0.5	2.5	4.0	37.3	4866	4757	42.1	5759	42.1	5630	45.3	6908	45.3	6763	51.1	8565	51.1	8387	360	370	
150	1.4	2 x 0.5	2.5	4.0	41.4	6013	5886	46.6	7042	46.6	6887	50.0	8327	50.0	8154	55.4	10100	55.4	9894	405	430	
185	1.6	2 x 0.5	2.5	4.0	45.8	7533	7380	51.0	8669	51.0	8491	54.2	10044	54.2	9848	59.6	11970	59.6	11739	460	490	
240	1.7	2 x 0.5	2.5	4.0	51.6	9783	9597	57.2	11106	57.2	10885	60.4	12672	60.4	12430	65.4	14608	65.4	14338	530	580	
300	1.8	2 x 0.5	2.5	4.0	56.7	12137	11918	62.3	13590	62.3	13340	65.7	15302	65.7	15022	70.5	17449	70.5	17139	590	660	
400	2.0	2 x 0.5	3.15	4.0	63.5	15527	15257	69.7	17240	69.7	16925	74.2	19969	74.2	19624	77.3	21348	77.3	20978	670	750	

(3+1) Cores, Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness or Insulation (mm)	Size of Armour (mm)			Approx. Overall Diameter & Weight														Recommending Current Rating (A)	
		Steel Tape	Thin Steel Wire	Thick Steel Wire	YJV		YJY		YJV22		YJV23		YJV32		YJV33		YJV42			
			Layer x Thickness	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)
2.5	0.7	2 x 0.3	1.6	4.0	12.1	166	15.2	352	15.2	319	17.2	600	17.2	562	25.1	1758	25.1	1700	38	30
4	0.7	2 x 0.3	1.6	4.0	13.2	228	15.4	403	15.4	369	17.4	649	17.4	611	26.2	1831	26.2	1771	50	49
6	0.7	2 x 0.3	1.6	4.0	14.4	309	16.6	502	16.6	466	18.6	769	18.6	728	27.4	2034	27.4	1971	65	55
10	0.7	2 x 0.3	1.6	4.0	16.2	457	18.3	674	18.3	633	20.3	989	20.3	943	29.2	2307	29.2	2240	89	78
16	0.7	2 x 0.3	1.6	4.0	18.4	679	20.5	929	20.5	883	22.5	1270	22.5	1219	31.4	2767	31.4	2694	115	105
25	0.9	2 x 0.3	1.6	4.0	21.5	1026	25.1	1433	25.1	1376	27.1	1857	27.1	1795	34.9	3400	34.9	3311	150	140
35	0.9	2 x 0.3	1.6	4.0	23.5	1308	27.1	1753	27.1	1691	29.3	2234	29.3	2163	37.1	3936	37.1	3836	180	170
50	1.0	2 x 0.3	1.6	4.0	25.9	1849	29.7	2286	29.7	2215	31.9	2828	31.9	2748	39.7	4568	39.7	4456	215	205
70	1.1	2 x 0.3	2.0	4.0	29.5	2582	33.3	3080	33.3	2995	36.3	3928	36.3	3831	43.5	5683	43.5	5549	265	260
95	1.1	2 x 0.5	2.0	4.0	33.0	3437	33.0	3353	37.8	4250	37.8	4143	40.0	4838	47.0	6796	47.0	6645	315	320
120	1.2	2 x 0.5	2.5	4.0	36.4	4406	36.4	4304	41.2	5288	41.2	5166	44.4	6408	50.2	7995	50.2	7827	360	370
150	1.4	2 x 0.5	2.5	4.0	40.0	5272	40.0	5154	45.0	6231	45.0	6083	48.2	7456	54.0	9218	54.0	9023	405	430
185	1.6	2 x 0.5	2.5	4.0	44.0	6643	44.0	6508	49.2	7722	49.2	7557	52.4	9081	58.0	10956	58.0	10739	460	490
240	1.7	2 x 0.5	2.5	4.0	49.3	8597	49.3	8432	45.7	9815	45.7	9617	57.9	11292	63.3	13284	63.3	13031	530	580
300	1.8	2 x 0.5	2.5	4.0	54.2	10642	54.2	10447	59.8	12005	59.8	11773	63.0	13648	68.2	15710	68.2	15419	590	660
400	2.0	2 x 0.5	3.15	4.0	60.6	13940	60.6	13698	66.6	15522	66.6	15238	71.0	18102	74.4	19483	74.4	19146	670	750

Five Cores,Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Size of Armour (mm)				Approx. Overall Diameter & Weight														Recommending Current Rating (A)			
	Nominal Thickness of Insulation (mm)	Steel Tape	Fine Steel Wire	Thick Steel Wire	YJV		YJY		YJV22		YJV23		YJV32		YJV33		YJV42				YJV43	
		Layer x Thickness	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
1.5	0.7	2 x 0.3	1.6	4.0	12.2	158	15.8	385	15.8	351	17.8	693	17.8	654	25.2	1936	25.2	1879	28	21		
2.5	0.7	2 x 0.3	1.6	4.0	13.3	214	16.9	461	16.9	424	18.9	796	18.9	754	26.3	2007	26.3	1947	38	30		
4	0.7	2 x 0.3	1.6	4.0	14.6	296	18.2	566	18.2	526	20.2	925	20.2	880	27.6	2223	27.6	2160	50	49		
6	0.7	2 x 0.3	1.6	4.0	16.0	403	19.6	697	19.6	653	21.6	1098	21.6	1050	29.2	2478	29.2	2408	65	55		
10	0.7	2 x 0.3	1.6	4.0	18.2	611	21.8	945	21.8	896	23.8	1399	23.8	1345	31.4	2951	31.4	2875	89	78		
16	0.7	2 x 0.3	1.6	4.0	20.7	955	24.3	1290	24.3	1235	26.3	1791	26.3	1731	34.1	3535	34.1	3448	115	105		
25	0.9	2 x 0.3	1.6	4.0	27.7	1471	31.3	1917	31.3	1845	33.5	2488	33.5	2403	41.5	4412	41.5	4294	150	140		
35	0.9	2 x 0.3	2.0	4.0	30.9	1946	34.7	2457	34.7	2372	37.7	3339	37.7	3243	44.9	5154	44.9	5021	180	170		
50	1.0	2 x 0.3	2.0	4.0	31.2	2518	31.2	2442	35.2	2953	38.2	3932	38.2	3824	45.2	5734	45.2	5594	215	205		
70	1.1	2 x 0.5	2.0	4.0	35.1	3569	35.1	3475	39.7	4395	39.7	4283	41.9	4998	49.1	7151	49.1	6987	265	260		
95	1.1	2 x 0.5	2.5	4.0	39.7	4832	39.7	4720	44.7	5803	44.7	5665	47.9	7029	47.9	6875	53.7	8787	315	320		
120	1.2	2 x 0.5	2.5	4.0	43.8	6075	43.8	5941	49.0	7164	49.0	7000	52.2	8487	52.2	8305	57.8	10298	360	370		
150	1.4	2 x 0.5	2.5	4.0	46.6	7460	46.6	7305	51.8	8615	51.8	8435	55.0	9817	60.5	11907	60.5	11672	405	430		
185	1.6	2 x 0.5	2.5	4.0	51.9	9352	51.9	9165	57.3	10859	57.3	10445	60.5	11983	65.7	14285	65.7	14013	460	490		
240	1.7	2 x 0.5	2.5	4.0	57.5	12141	57.5	11919	63.3	13641	63.3	13357	66.5	15353	71.3	17462	71.3	17148	530	580		
300	1.8	2 x 0.5	2.5	4.0	63.2	15077	63.2	14815	69.2	16751	69.2	16447	73.7	19419	73.7	19085	77.0	20889	590	660		

(3+2) Cores, Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx. Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Fine Steel Wire	Thick Steel Wire	YJV		YJY		YJV22		YJV23		YJV32		YJV33		YJV42		YJV43			
			Layer x Thickness	Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
2.5	0.7	2 x 0.3	1.6	4.0	12.6	190	16.2	423	16.2	388	18.2	694	18.2	654	25.6	1785	25.6	1727	38	30		
4	0.7	2 x 0.3	1.6	4.0	13.7	261	17.3	514	17.3	476	19.3	806	19.3	763	26.7	1974	26.7	1913	50	49		
6	0.7	2 x 0.3	1.6	4.0	15.0	359	18.6	635	18.6	594	20.6	947	20.6	901	28.0	2193	28.0	2129	65	55		
10	0.7	2 x 0.3	1.6	4.0	16.8	526	20.4	836	20.4	791	22.4	1178	22.4	1128	30.0	2501	30.0	2429	89	78		
16	0.7	2 x 0.3	1.6	4.0	19.1	789	22.7	1140	22.7	1089	24.7	1524	24.7	1468	32.5	3015	32.5	2933	115	105		
25	0.9	2 x 0.3	1.6	4.0	23.3	1196	26.9	1625	26.9	1563	28.9	2095	28.9	2029	36.9	3808	36.9	3709	150	140		
35	0.9	2 x 0.3	1.6	4.0	27.1	1500	30.7	1997	30.7	1926	32.9	2558	32.9	2478	40.7	4373	40.7	4263	180	170		
50	1.0	2 x 0.3	2.0	4.0	30.8	2130	34.6	2710	34.6	2626	37.6	3594	37.6	3497	44.8	5407	44.8	5274	215	205		
70	1.1	2 x 0.3	2.0	4.0	34.4	2925	38.4	3592	38.4	3489	41.4	4573	41.4	4456	48.4	6472	48.4	6322	265	260		
95	1.1	2 x 0.5	2.0	4.0	39.1	4069	39.1	3963	43.1	4988	43.7	4864	45.9	5800	52.9	7991	52.9	7819	315	320		
120	1.2	2 x 0.5	2.5	4.0	43.0	5104	48.1	6279	48.1	6130	51.3	7608	51.3	7443	57.1	9432	57.1	9233	360	370		
150	1.4	2 x 0.5	2.5	4.0	45.6	6131	45.6	5996	50.8	7268	50.8	7104	54.0	8676	59.6	10580	59.6	10364	405	430		
185	1.6	2 x 0.5	2.5	4.0	50.9	7721	50.9	7557	56.3	9009	56.3	8812	59.5	10535	64.7	12528	64.7	12284	460	490		
240	1.7	2 x 0.5	2.5	4.0	56.5	9671	62.1	11318	62.1	11085	65.3	13038	65.3	12784	70.3	15165	70.3	14882	530	580		
300	1.8	2 x 0.5	2.5	4.0	62.1	12026	67.9	13878	67.9	13605	71.1	15751	71.1	15456	75.9	18047	75.9	17722	590	660		

(4+1) Cores, Copper Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Size of Armour (mm)				Approx. Overall Diameter & Weight																Recommending Current Rating (A)	
	Steel Tape	Fine Steel Wire	Thick Steel Wire	Nominal Thickness of Insulation (mm)	YJV		YJY		YJV22		YJV23		YJV32		YJV33		YJV42		YJV43			
		Layer x Thickness	Dia. (mm)		Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
2.5	0.7	2 x 0.3	1.6	4.0	12.8	229	12.8	203	16.4	439	16.4	403	18.4	707	18.4	667	25.8	1801	25.8	1742	38	
4	0.7	2 x 0.3	1.6	4.0	14.0	308	14.0	278	17.6	537	17.6	498	19.6	826	19.6	782	27.0	1995	27.0	1933	50	30
6	0.7	2 x 0.3	1.6	4.0	15.3	412	15.3	379	18.9	661	18.9	620	20.8	986	20.8	939	28.3	2217	28.3	2152	65	49
10	0.7	2 x 0.3	1.6	4.0	17.3	604	17.3	567	20.8	885	20.8	838	22.8	1238	22.8	1187	30.4	2547	30.4	2473	89	55
16	0.7	2 x 0.3	1.6	4.0	19.6	891	19.6	847	23.2	1207	23.2	1155	25.2	1603	25.2	1546	33.0	3081	33.0	2996	115	78
25	0.9	2 x 0.3	1.6	4.0	23.4	1336	23.4	1283	27.0	1713	27.0	1651	29.0	2183	29.0	2116	37.0	3896	37.0	3796	150	105
35	0.9	2 x 0.3	1.6	4.0	27.1	1741	27.1	1679	30.9	2190	30.9	2115	32.9	2720	32.9	2640	40.9	4571	40.9	4455	180	140
50	1.0	2 x 0.3	2.0	4.0	31.0	2448	31.0	2373	34.8	2959	34.8	2870	37.8	3844	37.8	3742	44.8	5641	44.8	5508	215	170
70	1.1	2 x 0.5	2.0	4.0	34.6	3354	34.6	3265	39.5	4189	39.5	4078	41.5	4902	41.5	4785	48.7	6823	48.7	6666	265	205
95	1.1	2 x 0.5	2.5	4.0	39.2	4491	39.2	4385	44.2	5453	44.2	5322	47.4	6683	47.4	6536	53.2	8437	53.2	8258	315	320
120	1.2	2 x 0.5	2.5	4.0	43.3	5712	43.3	5584	48.1	6746	48.1	6597	51.5	8098	51.5	7925	57.1	9900	57.1	9700	360	370
150	1.4	2 x 0.5	2.5	4.0	45.9	6904	45.9	6762	51.1	8045	51.1	7874	54.3	9453	54.3	9263	59.9	11360	59.9	11136	405	430
185	1.6	2 x 0.5	2.5	4.0	51.2	8599	51.2	8427	56.6	9890	56.6	9685	59.8	11457	59.8	11232	65.0	13412	65.0	13160	460	490
240	1.7	2 x 0.5	2.5	4.0	56.7	11030	56.7	10825	62.3	12485	62.3	12243	65.5	14205	65.5	13941	70.5	16334	70.5	16041	530	580

Single Core,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Over-Diameter (mm)	Size of Armour			Approx.Overall Diameter & Weight														Recommending Current Rating (A)									
					YJLV				YJLV22				YJLV23				YJLV32				YJLV42				YJLV43			
		Steel Tape		Thick Steel Wire	YJLV		YJLV		YJLV		YJLV		YJLV		YJLV		YJLV		YJLV		YJLV		YJLV		Over-Dia. (mm)	Weight (Kg/km)	In Ground	In Air
		Layer x Thickness	Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)							
2.5	1.78	0.7	2 x 0.3	1.6	4.0	6.1	33	14.9	326	14.9	294	16.9	586	16.9	550	21.7	1358	21.7	1301	46	33							
4	2.25	0.7	2 x 0.3	1.6	4.0	6.5	40	14.9	330	14.9	298	16.9	590	16.9	553	21.7	1362	21.7	1313	61	44							
6	2.83	0.7	2 x 0.3	1.6	4.0	7.1	49	14.9	331	14.9	299	16.9	591	16.9	554	21.7	1363	21.7	1314	79	57							
10	3.57	0.7	2 x 0.3	1.6	4.0	7.9	64	14.9	333	14.9	301	16.9	593	16.9	557	21.7	1365	21.7	1317	100	75							
16	4.50	0.7	2 x 0.3	1.6	4.0	8.8	86	15.0	346	15.0	313	17.0	604	17.0	567	22.6	1504	22.6	1454	135	99							
25	6.30	0.9	2 x 0.3	1.6	4.0	11.0	131	15.4	364	15.4	331	17.4	619	17.4	581	24.8	1685	24.8	1629	170	125							
35	7.30	0.9	2 x 0.3	1.6	4.0	12.0	166	16.4	418	16.4	382	18.4	696	18.4	655	25.8	1838	25.8	1779	205	155							
50	8.30	1.0	2 x 0.3	1.6	4.0	13.2	219	17.6	494	17.6	456	19.6	792	19.6	748	27.0	2011	27.0	1950	245	190							
70	10.00	1.1	2 x 0.3	1.6	4.0	15.1	292	19.5	604	19.5	561	21.5	948	21.5	900	29.1	2228	29.1	2158	305	240							
95	11.60	1.1	2 x 0.3	1.6	4.0	16.9	379	21.1	717	21.1	670	23.1	1093	23.1	1040	30.7	2436	30.7	2362	370	290							
120	13.00	1.2	2 x 0.3	1.6	4.0	18.5	465	22.7	833	22.7	782	24.7	1226	24.7	1170	32.5	2767	32.5	2684	420	340							
150	14.60	1.4	2 x 0.3	1.6	4.0	20.7	580	24.7	980	24.7	924	26.7	1418	26.7	1357	34.5	3010	34.5	2922	475	390							
185	16.20	1.6	2 x 0.3	1.6	4.0	22.8	706	26.8	1145	26.8	1084	28.8	1611	28.8	1545	36.8	3285	36.8	3186	540	450							
240	18.60	1.7	2 x 0.3	1.6	4.0	25.6	900	29.6	1394	29.6	1322	31.6	1915	31.6	1839	39.6	3735	39.6	3623	630	535							
300	20.80	1.8	2 x 0.3	1.6	4.0	28.2	1106	32.0	1636	32.0	1558	34.2	2213	34.2	2126	42.2	4195	42.2	4070	710	615							
400	24.30	2.0	2 x 0.3	2.0	4.0	32.3	1453	36.3	2078	36.3	1980	39.3	3019	39.3	2908	46.3	4922	46.3	4779	820	730							
500	28.80	2.2	2 x 0.5	2.0	4.0	37.2	1773	42.2	2766	42.2	2647	44.3	3565	44.3	3436	51.4	5639	51.4	5474	940	850							
630	33.00	2.4	2 x 0.5	2.5	4.0	42.2	2297	47.3	3435	47.3	3293	50.4	4757	50.4	4600	56.2	6650	56.2	6461	1080	1000							
800	37.29	2.6	2 x 0.5	2.5	4.0	47.1	2890	52.3	4171	52.3	4005	55.6	5630	55.6	5443	61.4	7666	61.4	7443	1220	1160							
1000	41.80		2 x 0.5	2.5	4.0	52.2	3584	57.7	5049	57.7	4853	60.9	6651	60.9	6438	66.5	8866	66.5	8616	1380	1330							

Two Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx. Overall Diameter & Weight												Recommending Current Rating (A)					
					YJLV				YJLV22				YJLV23						YJLV32			
		Steel Tape	Fine Steel Wire	Thick Steel Wire	YJLV		YJLV22		YJLV23		YJLV22		YJLV23		YJLV32		YJLV33		YJLV32		YJLV33	
					Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
2.5	0.7	2 x 0.3	1.6	4.0	11.0	106	84	15.0	276	15.0	244	17.0	526	17.0	489	24.0	1554	24.0	1500	40	25	
4	0.7	2 x 0.3	1.6	4.0	12.0	126	101	15.0	283	15.0	250	17.0	532	17.0	495	25.0	1585	25.0	1528	51	38	
6	0.7	2 x 0.3	1.6	4.0	13.1	154	126	15.1	290	15.1	266	17.1	546	17.1	508	26.1	1728	26.1	1668	66	45	
10	0.7	2 x 0.3	1.6	4.0	14.6	194	162	16.7	350	16.7	319	18.8	637	18.8	596	27.6	1887	27.6	1824	82	65	
16	0.7	2 x 0.3	1.6	4.0	16.5	251	165	18.6	436	18.6	395	20.6	747	20.6	701	29.5	2172	29.5	2104	105	89	
25	0.9	2 x 0.3	1.6	4.0	16.6	303	166	20.2	576	20.2	531	22.2	988	22.2	938	30.0	2485	30.0	2409	135	120	
35	0.9	2 x 0.3	1.6	4.0	18.0	376	180	21.7	689	21.7	621	23.7	1104	23.7	1050	31.7	2703	31.7	2619	165	145	
50	1.0	2 x 0.3	1.6	4.0	19.9	471	199	23.5	793	23.5	740	25.7	1295	25.7	1234	33.7	2953	33.7	2859	195	175	
70	1.1	2 x 0.3	2.0	4.0	22.6	628	226	26.4	1006	26.4	943	29.4	1781	29.4	1707	36.6	3396	36.6	3289	240	220	
95	1.1	2 x 0.3	2.0	4.0	25.2	817	252	29.2	1247	29.2	1169	32.0	2074	32.0	1989	39.2	3739	39.2	3619	285	270	
120	1.2	2 x 0.5	2.0	4.0	27.7	1006	277	32.5	1677	32.5	1586	34.7	2413	34.7	2312	41.7	4201	41.7	4068	326	316	
150	1.4	2 x 0.5	2.5	4.0	30.9	1248	309	35.7	1994	35.7	1889	38.9	3168	38.9	3049	44.7	4708	44.7	4560	366	365	
185	1.6	2 x 0.5	2.5	4.0	34.0	1542	340	39.0	2374	39.0	2250	42.2	3638	42.2	3498	48.0	5300	48.0	5128	413	420	

Note:For Nominal thickness of insulation,size of armour,Over-diameter,weight and current rating of retardant-flame cable of AB C,you should to the value of general cable.

Three Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx.Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Fine Steel Wire	Thick Steel Wire	Y.JLV		Y.JLY		Y.JLV22		Y.JLV23		Y.JLV32		Y.JLV33		Y.JLV42		Y.JLV43			
			Layer x Thickness	Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)		Over-Dia. (mm)	Weight (Kg/km)	
1.5	0.7																					
2.5	0.7	2 x 0.3	1.6	4.0	11.5	122	15.0	285	15.0	253	17.0	535	17.0	497	24.5	1575	24.5	1520	24	17		
4	0.7	2 x 0.3	1.6	4.0	12.6	147	15.1	297	15.1	265	17.1	546	17.1	508	25.5	1715	25.5	1657	35	27		
6	0.7	2 x 0.3	1.6	4.0	13.8	182	15.9	335	15.9	300	17.9	591	17.9	552	26.8	1867	26.8	1806	49	37		
10	0.7	2 x 0.3	1.6	4.0	15.4	234	17.5	405	17.5	367	19.5	695	19.5	652	28.4	2039	28.4	1975	66	57		
16	0.7	2 x 0.3	1.6	4.0	17.4	310	19.5	509	19.5	466	21.5	840	21.5	792	30.4	2241	30.4	2171	89	77		
25	0.9	2 x 0.3	1.6	4.0	21.0	433	24.6	772	24.6	717	26.6	1201	26.6	1140	34.4	2742	34.4	2654	115	105		
35	0.9	2 x 0.3	1.6	4.0	23.2	539	26.8	914	26.8	853	28.8	1348	28.8	1318	36.8	3098	36.8	2998	135	125		
50	1.0	2 x 0.3	1.6	4.0	25.8	681	29.6	1110	29.6	1038	31.8	1635	31.8	1554	39.6	3391	39.6	3279	165	155		
70	1.1	2 x 0.3	2.0	4.0	29.3	924	33.1	1407	33.1	1322	36.1	2231	36.1	2134	43.1	3991	43.1	3863	220	195		
95	1.1	2 x 0.5	2.0	4.0	32.6	1199	37.4	1985	37.4	1880	39.4	2632	39.4	2520	46.6	4539	46.6	4389	240	235		
120	1.2	2 x 0.5	2.0	4.0	35.6	1476	40.4	2332	40.4	2213	42.4	3033	42.4	2907	49.6	5064	49.6	4899	275	280		
150	1.4	2 x 0.5	2.5	4.0	38.9	1880	43.7	2811	43.7	2676	46.9	3972	46.9	3821	52.7	5702	52.7	5518	310	320		
185	1.6	2 x 0.5	2.5	4.0	42.7	2307	47.9	3368	47.9	3208	51.1	4671	51.1	4493	56.7	6515	56.7	6303	350	370		
240	1.7	2 x 0.5	2.5	4.0	47.5	2930	52.9	4129	52.9	3939	56.1	5557	56.1	5347	61.3	7491	61.3	7253	410	440		
300	1.8	2 x 0.5	2.5	4.0	52.0	3584	57.4	4895	57.4	4680	60.6	6451	60.6	6216	65.8	8518	65.8	8246	460	520		
400	2.0	2 x 0.5	3.15	4.0	58.0	4533	63.8	6046	63.8	5782	68.5	8506	68.5	8205	71.8	9968	71.8	9643	523	615		
500	2.2																					

Four Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx-Overall Diameter & Weight												Recommending Current Rating (A)			
		Steel Tape	Fine	Thick	YJLV	YJLY		YJLV22		YJLV23		YJLV32		YJLV33		YJLV42			YJLV43	
			Layer x Thickness	Dia. (mm)		Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)		Over-Dia. (mm)
2.5	0.7	2 x 0.3	1.6	4.0	12.4	141	15.0	291	15.0	258	18.0	600	18.0	561	25.4	1707	25.4	1650	24	17
4	0.7	2 x 0.3	1.6	4.0	13.5	172	15.6	332	15.6	288	19.1	670	19.1	628	26.5	1853	26.5	1793	35	27
6	0.7	2 x 0.3	1.6	4.0	14.9	217	17.0	383	17.0	346	20.5	772	20.5	726	27.9	2017	27.9	1953	49	37
10	0.7	2 x 0.3	1.6	4.0	16.7	282	18.8	470	18.8	428	22.3	895	22.3	845	29.7	2204	29.7	2136	66	57
16	0.7	2 x 0.3	1.6	4.0	19.0	378	21.1	593	21.1	545	24.5	1070	24.5	1015	31.9	2429	31.9	2355	89	77
25	0.9	2 x 0.3	1.6	4.0	21.9	527	25.5	880	25.5	822	27.5	1317	27.5	1254	35.5	2966	35.5	2871	115	105
35	0.9	2 x 0.3	1.6	4.0	23.7	659	27.3	1043	27.3	980	29.5	1521	29.5	1450	37.5	3240	37.5	3135	135	125
50	1.0	2 x 0.3	2.0	4.0	25.9	840	29.9	1283	29.9	1207	32.9	2036	32.9	1948	39.9	3569	39.9	3452	165	155
70	1.1	2 x 0.5	2.0	4.0	29.9	1163	34.5	1871	34.5	1778	36.7	2502	36.7	2399	43.7	4241	43.7	4107	200	195
95	1.1	2 x 0.5	2.0	4.0	33.7	1524	38.5	2333	38.5	2220	40.5	3016	40.5	2897	47.7	4984	47.7	4825	240	235
120	1.2	2 x 0.5	2.0	4.0	37.3	1898	42.1	2791	42.1	2662	45.3	3940	45.3	3795	51.1	5597	51.1	5419	275	280
150	1.4	2 x 0.5	2.5	4.0	41.4	2369	46.6	3398	46.6	3243	50.0	4683	50.0	4510	55.4	6456	55.4	6250	310	320
185	1.6	2 x 0.5	2.5	4.0	45.8	2955	51.0	4091	51.0	3913	54.2	5466	54.2	5270	59.6	7392	59.6	7161	350	370
240	1.7	2 x 0.5	2.5	4.0	51.6	3777	57.2	5100	57.2	4879	60.4	6666	60.4	6424	65.4	8602	65.4	8332	410	440
300	1.8	2 x 0.5	2.5	4.0	56.7	4630	62.3	6083	62.3	5833	65.7	7795	65.7	7515	70.5	9942	70.5	9632	460	570
400	2.0	2 x 0.5	3.15	4.0	63.5	5877	69.7	7590	69.7	7275	74.2	10319	74.2	9974	77.3	11698	77.3	11328	523	615

(3+1) Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx.Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Fine	Thick	YJLV	YJLY		YJLV22		YJLV23		YJLV32		YJLV33		YJLV42		YJLV43				
			Layer x Thickness	Dia. (mm)		Dia. (mm)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
4	0.7	2 x 0.3	1.6	4.0	13.2	137	15.4	312	15.4	278	17.4	558	17.4	520	26.2	1740	26.2	1880	35	27		
6	0.7	2 x 0.3	1.6	4.0	14.4	175	16.6	369	16.6	333	18.6	651	18.6	609	27.4	1901	27.4	1838	49	37		
10	0.7	2 x 0.3	1.6	4.0	16.2	231	18.3	449	18.3	409	20.3	763	20.3	718	29.2	2185	29.2	2118	66	57		
16	0.7	2 x 0.3	1.6	4.0	18.4	315	20.5	565	20.5	519	22.5	906	22.5	855	31.4	2403	31.4	2330	89	77		
25	0.9	2 x 0.3	1.6	4.0	21.5	455	25.1	862	25.1	805	27.1	1286	27.1	1224	34.9	2829	34.9	2740	115	105		
35	0.9	2 x 0.3	1.6	4.0	23.5	557	27.1	1002	27.1	940	29.3	1483	29.3	1412	37.1	3185	37.1	3085	135	125		
50	1.0	2 x 0.3	1.6	4.0	25.9	740	29.7	1236	29.7	1165	31.9	1778	31.9	1697	39.7	3518	39.7	3406	165	155		
70	1.1	2 x 0.3	2.0	4.0	29.5	1004	33.3	1572	33.3	1487	36.3	2420	36.3	2323	43.5	4175	43.5	4041	200	195		
95	1.1	2 x 0.5	2.0	4.0	33.0	1301	37.8	2198	37.8	2091	40.0	2904	40.0	2786	47.0	4744	47.0	4593	240	235		
120	1.2	2 x 0.5	2.5	4.0	36.4	1656	41.2	2640	41.2	2518	44.4	3760	44.4	3622	50.2	5347	50.2	5179	275	280		
150	1.4	2 x 0.5	2.5	4.0	40.0	1997	45.0	3074	45.0	2930	48.2	4299	48.2	4138	54.0	6061	54.0	5866	310	320		
185	1.6	2 x 0.5	2.5	4.0	44.0	2489	49.2	3703	49.2	3538	52.4	5062	52.4	4879	58.0	6937	58.0	6720	350	370		
240	1.7	2 x 0.5	2.5	4.0	49.3	3185	54.7	4568	54.7	4370	57.9	6045	57.9	5828	63.3	8037	63.3	7784	410	440		
300	1.8	2 x 0.5	2.5	4.0	54.2	3905	59.8	5463	59.8	5231	63.0	7106	63.0	6853	68.2	9168	68.2	8877	460	570		
400	2.0	2 x 0.5	3.15	4.0	60.6	5053	66.6	6877	66.6	6593	71.0	9457	71.0	9144	74.4	10838	74.4	10501	523	615		

Five Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx.Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Fine Steel Wire	Thick Steel Wire	YJLV		YJLY		YJLV22		YJLV23		YJLV32		YJLV33		YJLV42		YJLV43			
			Layer x Thickness	Dia. (mm)	Dia. (mm)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)	Weight (Kg/km)	Over- Dia. (mm)
2.5	0.7	2 x 0.3	1.6	4.0	13.3	135	16.9	382	16.9	345	18.9	717	18.9	675	26.3	1928	26.3	1868	24	17		
4	0.7	2 x 0.3	1.6	4.0	14.6	171	18.2	441	18.2	401	20.2	800	20.2	755	27.6	2098	27.6	2035	35	27		
6	0.7	2 x 0.3	1.6	4.0	16.0	221	19.6	518	19.6	474	21.6	918	21.6	869	29.2	2299	29.2	2228	49	37		
10	0.7	2 x 0.3	1.6	4.0	18.2	295	21.8	629	21.8	580	23.8	1083	23.8	1029	31.4	2635	31.4	2559	66	57		
16	0.7	2 x 0.3	1.6	4.0	20.7	407	24.3	788	24.3	733	26.3	1289	26.3	1229	34.1	3033	34.1	2946	89	77		
25	0.9	2 x 0.3	1.6	4.0	27.7	625	31.3	1135	31.3	1063	33.5	1706	33.5	1624	41.5	3630	41.5	3512	115	105		
35	0.9	2 x 0.3	2.0	4.0	30.9	794	34.7	1376	34.7	1291	37.7	2258	37.7	2162	44.9	4073	44.9	3940	135	125		
50	1.0	2 x 0.3	2.0	4.0	31.2	979	35.2	1584	35.2	1489	38.2	2468	38.2	2360	45.2	4270	45.2	4130	165	155		
70	1.1	2 x 0.5	2.0	4.0	35.1	1357	39.7	2277	39.7	2165	41.9	3004	41.9	2880	49.1	5033	49.1	4869	200	195		
95	1.1	2 x 0.5	2.5	4.0	39.7	1899	39.7	1899	44.7	2732	47.9	4096	47.9	3942	53.7	5854	53.7	5667	240	235		
120	1.2	2 x 0.5	2.5	4.0	43.8	2331	49.0	3455	49.0	3291	52.2	4778	52.2	4596	57.8	6589	57.8	6372	275	280		
150	1.4	2 x 0.5	2.5	4.0	46.6	2749	51.8	4059	51.8	3879	55.0	5460	55.0	5261	60.5	7351	60.5	7116	310	320		
185	1.6	2 x 0.5	2.5	4.0	51.9	3442	57.3	4936	57.3	4722	60.5	6495	60.5	6260	65.7	8562	65.7	8290	350	370		
240	1.7	2 x 0.5	2.5	4.0	57.5	4411	63.3	6133	63.3	5871	66.5	7845	66.5	7561	71.3	9954	71.3	9640	410	440		
300	1.8	2 x 0.5	2.5	4.0	63.2	5692	63.2	7366	69.2	7062	73.7	10034	73.7	9700	77.0	11504	77.0	11145	460	570		

(3+2) Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Size of Armour (mm)				Approx.Overall Diameter & Weight																Recommending Current Rating (A)	
	Steel Tape	Fine Steel Wire	Thick Steel Wire	Nominal Thickness of Insulation (mm)	YJLV		YJLY		YJLV22		YJLV23		YJLV32		YJLV33		YJLV42		YJLV43			
		Layer x Thickness	Dia. (mm)		Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)
4	0.7	2 x 0.3	1.6	4.0	13.7	184	13.7	155	17.3	408	17.3	370	19.3	700	19.3	657	26.7	1868	26.7	1807	35	27
6	0.7	2 x 0.3	1.6	4.0	15.0	231	15.0	198	18.6	478	18.6	437	20.6	788	20.6	741	28.0	2034	28.0	1970	49	37
10	0.7	2 x 0.3	1.6	4.0	16.8	301	16.8	264	20.4	575	20.4	529	22.4	916	22.4	865	30.0	2239	30.0	2166	66	57
16	0.7	2 x 0.3	1.6	4.0	19.1	403	19.1	361	22.7	712	22.7	661	24.7	1096	24.7	1040	32.5	2587	32.5	2505	89	77
25	0.9	2 x 0.3	1.6	4.0	23.3	582	23.3	530	26.9	959	26.9	897	28.9	1429	28.9	1363	36.9	3142	36.9	3043	115	105
35	0.9	2 x 0.3	1.6	4.0	27.1	708	27.1	646	30.7	1144	30.7	1073	32.9	1705	32.9	1625	40.7	3520	40.7	3410	135	125
50	1.0	2 x 0.3	2.0	4.0	30.8	954	30.8	883	34.6	1463	34.6	1379	37.6	2347	37.6	2250	44.8	4160	44.8	4027	165	155
70	1.1	2 x 0.3	2.0	4.0	34.4	1263	34.4	1179	38.4	1848	38.4	1745	41.4	2829	41.4	2712	48.4	4728	48.4	4578	200	195
95	1.1	2 x 0.5	2.0	4.0	39.1	1670	39.1	1564	43.7	2590	43.7	2466	45.9	3402	45.9	3266	52.9	5593	52.9	5421	240	235
120	1.2	2 x 0.5	2.5	4.0	43.0	2111	43.0	1988	48.1	3164	48.1	3015	51.3	4493	51.3	4328	57.1	6317	57.1	6118	275	280
150	1.4	2 x 0.5	2.5	4.0	45.6	2454	45.6	2319	50.8	3592	50.8	3428	54.0	5000	54.0	4818	59.6	6904	59.6	6688	310	320
185	1.6	2 x 0.5	2.5	4.0	50.9	3078	50.9	2914	56.3	4368	56.3	4171	59.5	5894	59.5	5679	64.7	7887	64.7	7643	350	370
240	1.7	2 x 0.5	2.5	4.0	56.5	3884	56.5	3687	62.1	5336	62.1	5103	65.3	7056	65.3	6802	70.3	9183	70.3	8900	410	440
300	1.8	2 x 0.5	2.5	4.0	62.1	4780	62.1	4546	67.9	6402	67.9	6129	71.1	8275	71.1	7980	75.9	10571	75.9	10246	460	570

(4+1) Cores,Aluminum Conductor,XLPE Insulated Power Cable

Nominal Cross-Section (mm ²)	Nominal Thickness of Insulation (mm)	Size of Armour (mm)			Approx.Overall Diameter & Weight																Recommending Current Rating (A)	
		Steel Tape	Fine Steel Wire	Thick Steel Wire	YJLV	YJLY		YJLV22		YJLV23		YJLV32		YJLV33		YJLV42		YJLV43				
			Layer x Thickness	Dia. (mm)		Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	Over-Dia. (mm)	Weight (Kg/km)	In Ground
4	0.7	2 x 0.3	1.6	4.0	14.0	162	17.6	421	17.6	382	19.6	710	19.6	666	27.0	1879	27.0	1817	35	27		
6	0.7	2 x 0.3	1.6	4.0	15.3	208	18.9	492	18.9	450	20.8	815	20.8	768	28.3	2047	28.3	1982	49	37		
10	0.7	2 x 0.3	1.6	4.0	17.3	277	20.8	595	20.8	548	22.8	949	22.8	891	30.4	2258	30.4	2184	66	57		
16	0.7	2 x 0.3	1.6	4.0	19.6	382	23.2	742	23.2	690	25.2	1138	25.2	1081	33.0	2616	33.0	2531	89	77		
25	0.9	2 x 0.3	1.6	4.0	23.4	560	27.0	990	27.0	928	29.0	1460	29.0	1393	37.0	3173	37.0	3073	115	105		
35	0.9	2 x 0.3	1.6	4.0	27.1	707	30.9	1218	30.9	1143	32.9	1748	32.9	1668	40.9	3599	40.9	3483	135	125		
50	1.0	2 x 0.3	2.0	4.0	31.0	971	34.8	1557	34.8	1468	37.8	2442	37.8	2340	44.8	4239	44.8	4106	165	155		
70	1.1	2 x 0.5	2.0	4.0	34.6	1301	39.5	2226	39.5	2115	41.5	2939	41.5	2822	48.7	4860	48.7	4703	200	195		
95	1.1	2 x 0.5	2.5	4.0	39.2	1704	44.2	2773	44.2	2642	47.4	4003	47.4	3856	53.2	5757	53.2	5578	240	235		
120	1.2	2 x 0.5	2.5	4.0	43.3	2155	48.1	3320	48.1	3171	51.5	4672	51.5	4499	57.1	6474	57.1	6274	275	280		
150	1.4	2 x 0.5	2.5	4.0	45.9	2585	51.1	3871	51.1	3700	54.3	5279	54.3	5089	59.9	7186	59.9	6962	310	320		
185	1.6	2 x 0.5	2.5	4.0	51.2	3222	56.6	4687	56.6	4482	59.8	6254	59.8	6029	65.0	8209	65.0	7957	350	370		
240	1.7	2 x 0.5	2.5	4.0	56.7	4093	62.3	5757	62.3	5515	65.5	7477	65.5	7213	70.5	9606	70.5	9313	410	440		