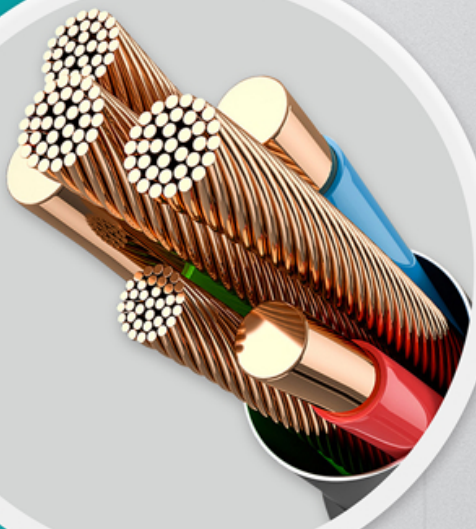
铜（铝）芯电缆

COPPER (ALUMINUM) CORE CABLE

选型手册

SELECTION MANUAL



双登电缆股份有限公司

SHUANGDENG CABLE CO., LTD

目　录

一、额定电压 0.6/1kV 及以下铜（铝）芯交联聚乙烯绝缘电力电缆 Rated voltage 0.6/1kV and below copper (aluminum) core crosslinked polyethylene insulated power cable

依据标准:Standard

GB／T 12706.1 额定电压 1kV(U_m=1.2kV)到 35kV(U_m=40.5kV)挤包绝缘电力电缆及附件

第 1 部分：额定电压 1kV(U_m=1.2kV)和 3kV(U_m=3.6kV）电缆 Rated voltage 1kV(Um=1.2kV) to 35kV(Um=40.5kV) extruded insulated power cables and accessories

Part 1: Cables with rated voltages of 1kV(Um=1.2kV) and 3kV(Um=3.6kV)

适用范围: scope of applications

本产品适用于额定电压 0.6/1kV及以下输配电线路作配送电能之用。This product is suitable for transmission and distribution lines with rated voltage 0.6/1kV and below

使用特性：operating characteristics

额定电压 U_0/U 为 0.6/1kV The rated voltage U_0/U is 0.6/1kV

最高系统电压 U_m为 1.2kV The maximum system voltage Um is 1.2kV

电缆导体的最高允许工作温度为 90℃ The maximum allowed operating temperature of the conductor is 90℃

短路时（最长持续时间不超过 5s）电缆导体的最高温度不超过 250℃ The maximum short-circuit temperature of the conductor shall not exceed 250℃(5s maximum duration)

电缆敷设时环境温度应不低于 0℃ The ambient temperature should not be lower than 0℃ when the cable is laid

型号规格：type and specification

型号 type		芯数 Qty of cores	名称 Description
YJV	YJLV	1、2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated PVC sheathed power cable
YJY	YJLY	1、2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulation polyethylene sheathed power cable
YJV62	YJLV62	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal tape armoured PVC sheathed power cable
YJY63	YJLY63	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal with armoured polyethylene sheathed power cable

YJV22	YJLV22	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured PVC sheathed power cable
YJY23	YJLY23	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured polyethylene sheathed power cable
YJV72	YJLV72	1	铜(铝)芯交联聚乙烯绝缘非磁性金属丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic wire armored PVC sheathed power cable
YJY73	YJLY73	1	铜(铝)芯交联聚乙烯绝缘非磁性金属丝铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic wire armored polyethylene sheathed power cable
YJV32	YJLV32	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘镀锌钢丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated galvanized steel wire armouring PVC sheathed power cable
YJY33	YJLY33	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘镀锌钢丝铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated galvanized steel wire armoured polyethylene sheathed power cable

备注：note

可根据用户需求，生产各类阻燃、低烟无卤、耐火及耐寒电力电缆；all kinds of flame-retardant, low-smoke halogen-free, fire-resistant and cold-resistant power cables are available according to requirements.

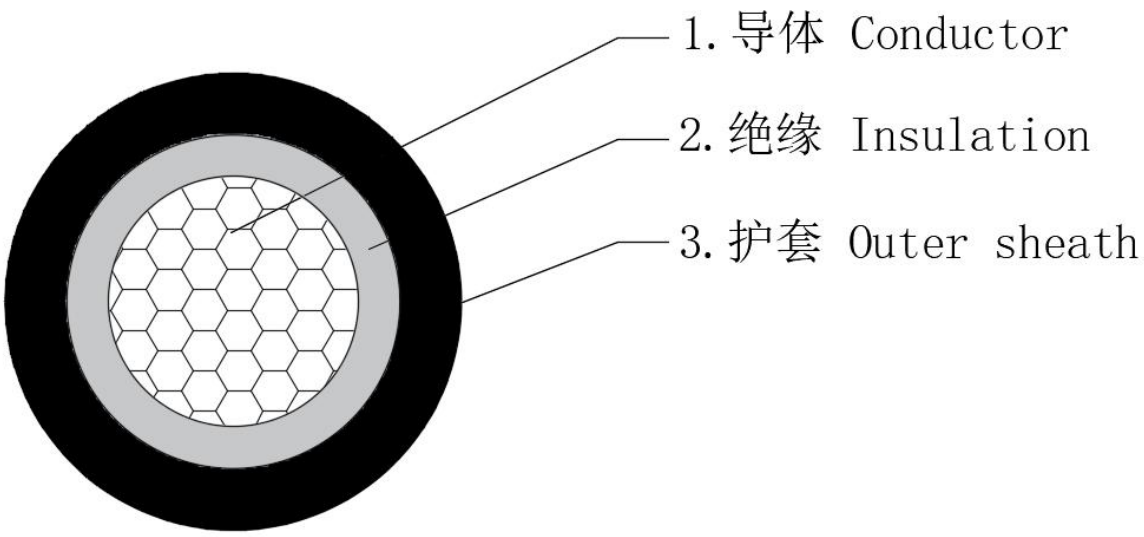
阻燃电缆可在型号中加阻燃特性符号，如 Z，ZC，ZB，ZA；Flame retardant cable model has characteristic symbol, such as Z, ZC, ZB, ZA;

低烟无卤可在型号中加无卤低烟特性符号，如 WD；Low-smoke halogen-free model has characteristic symbol, such as WD;

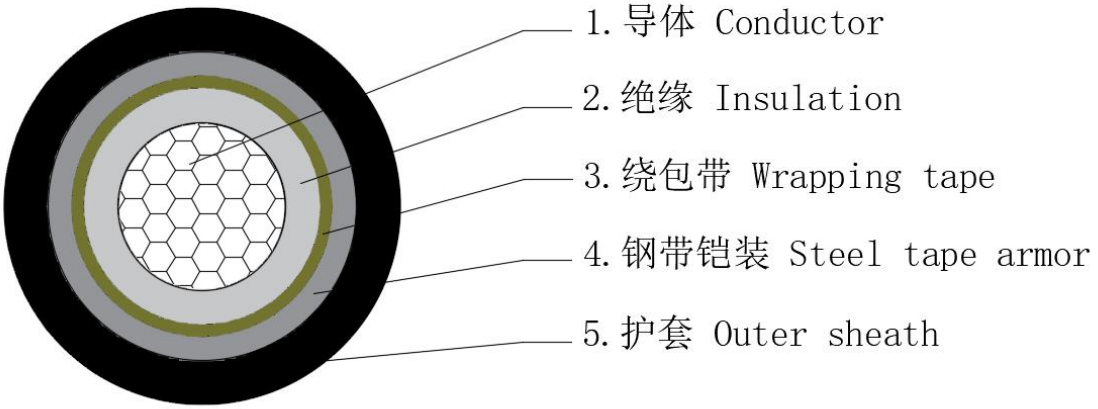
耐寒电缆可在型号中加耐寒特性符号，如 HD。Cold resistance cable model has characteristic symbol, such as HD.

耐火电缆可在型号中加耐火特性符号，如 N。Fire resistant cable model has characteristic symbol, such as N.

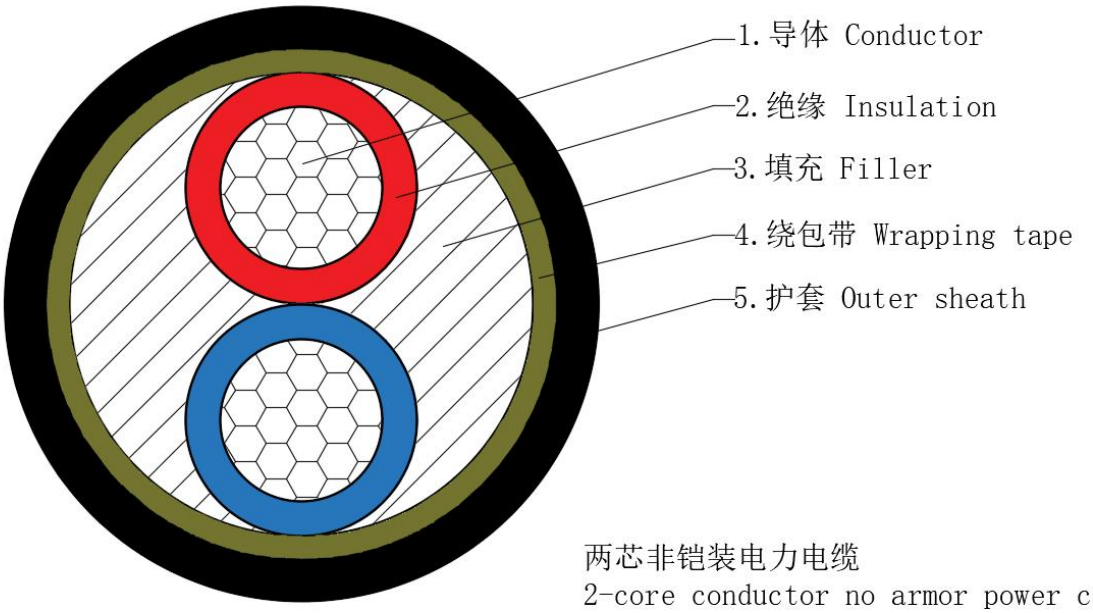
结构示意图：structural drawing



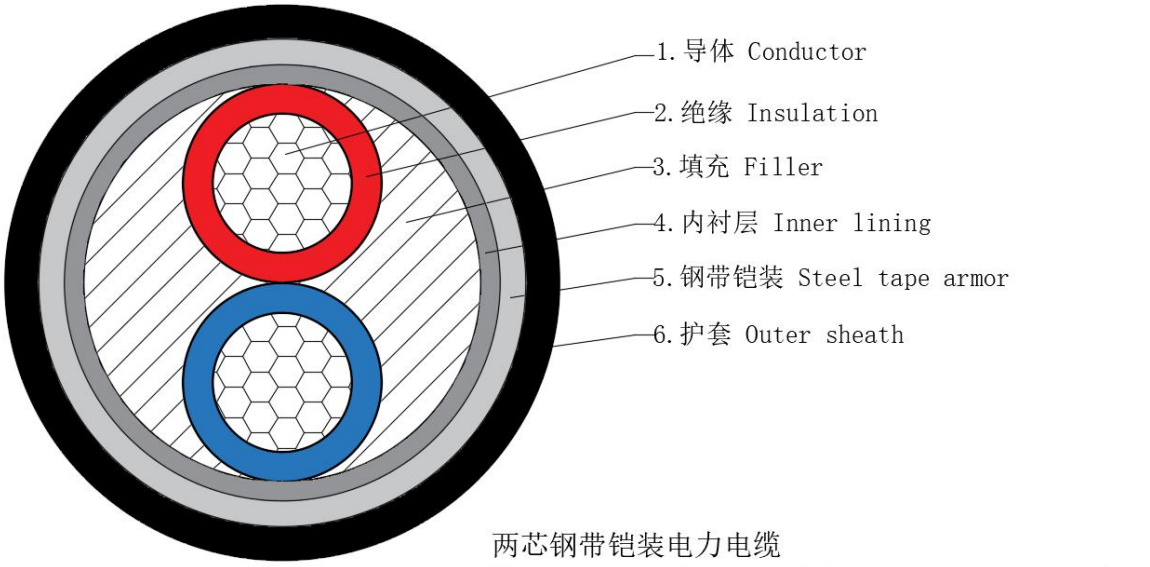
单芯非铠装电力电缆
1-core conductor no armor power cable



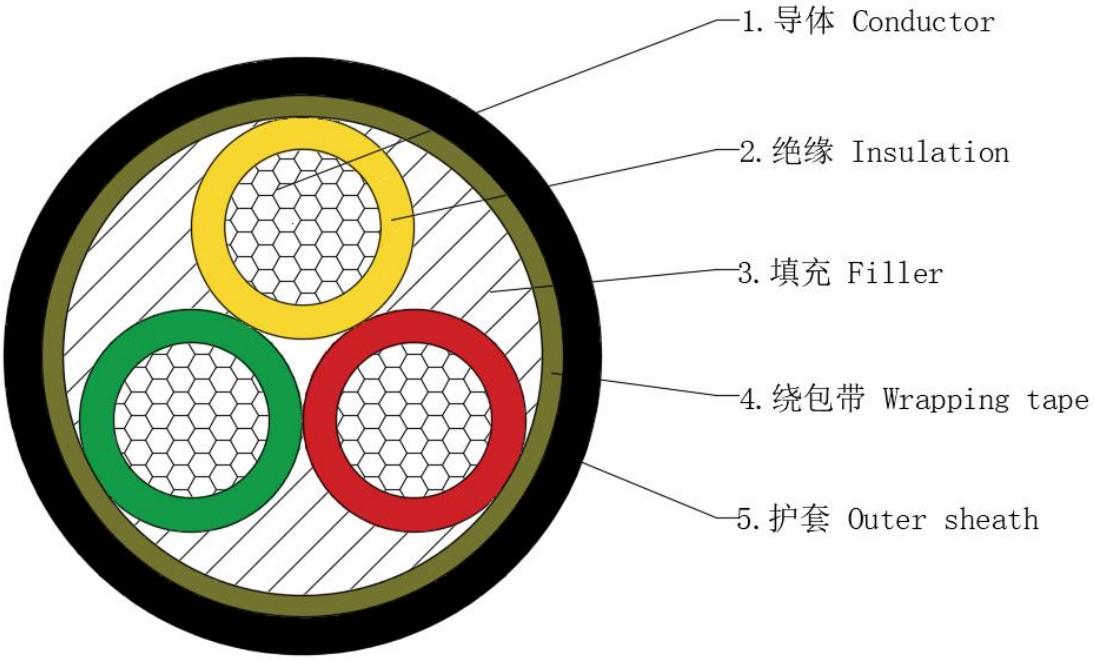
单芯钢带铠装电力电缆
1-core conductor steel tape armor power cable



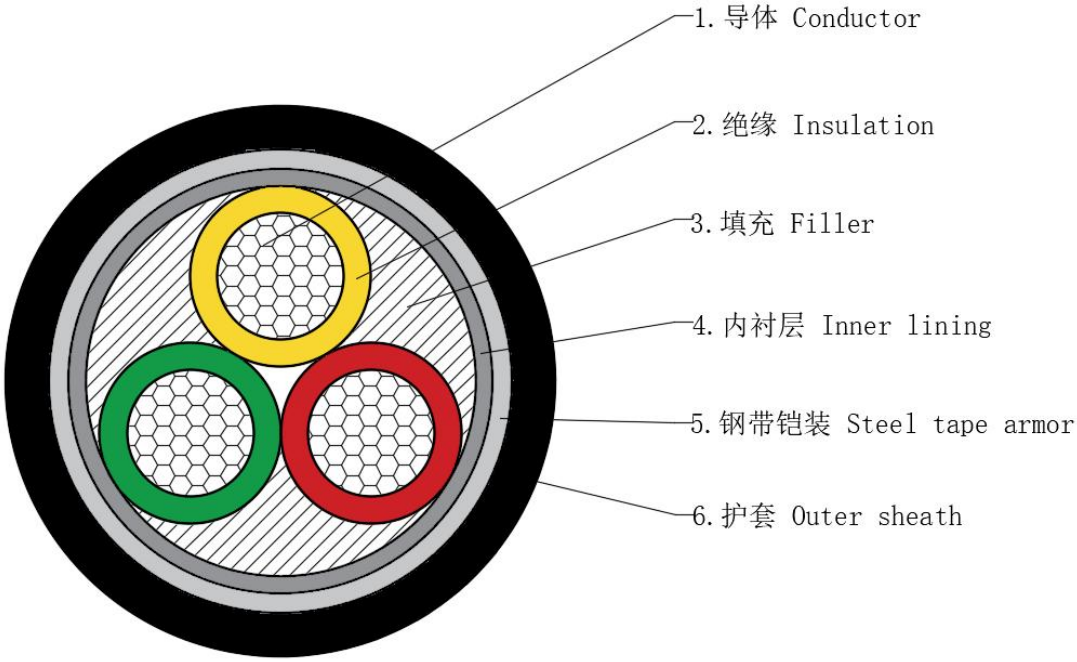
两芯非铠装电力电缆
2-core conductor no armor power cable



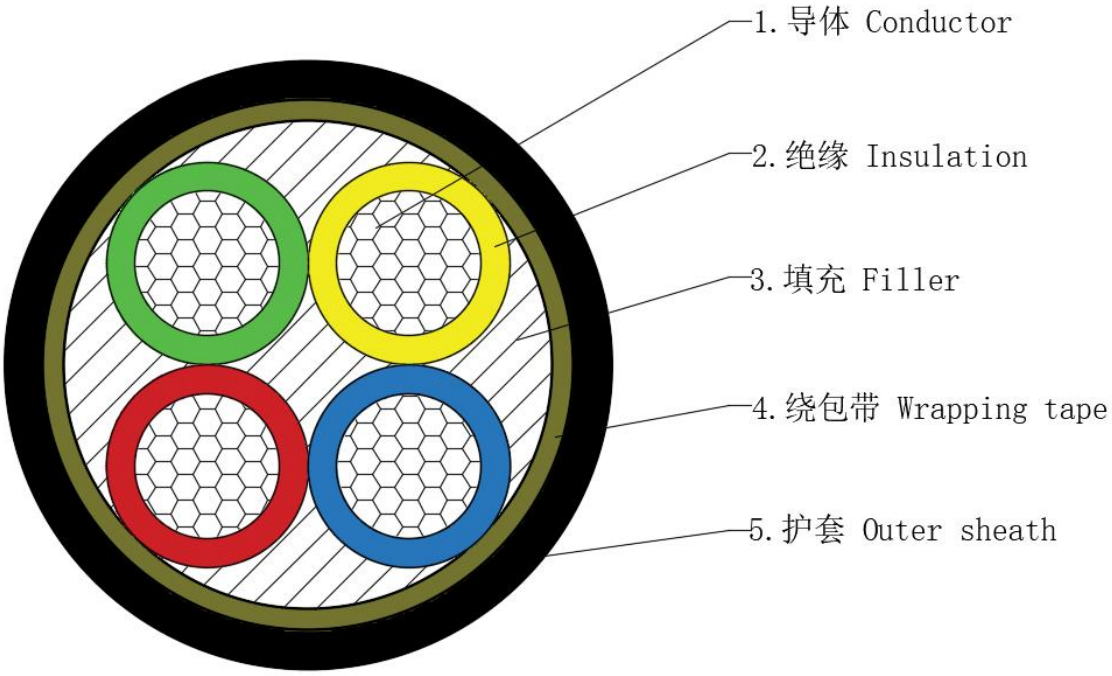
两芯钢带铠装电力电缆
2-core conductor steel tape armor power cable



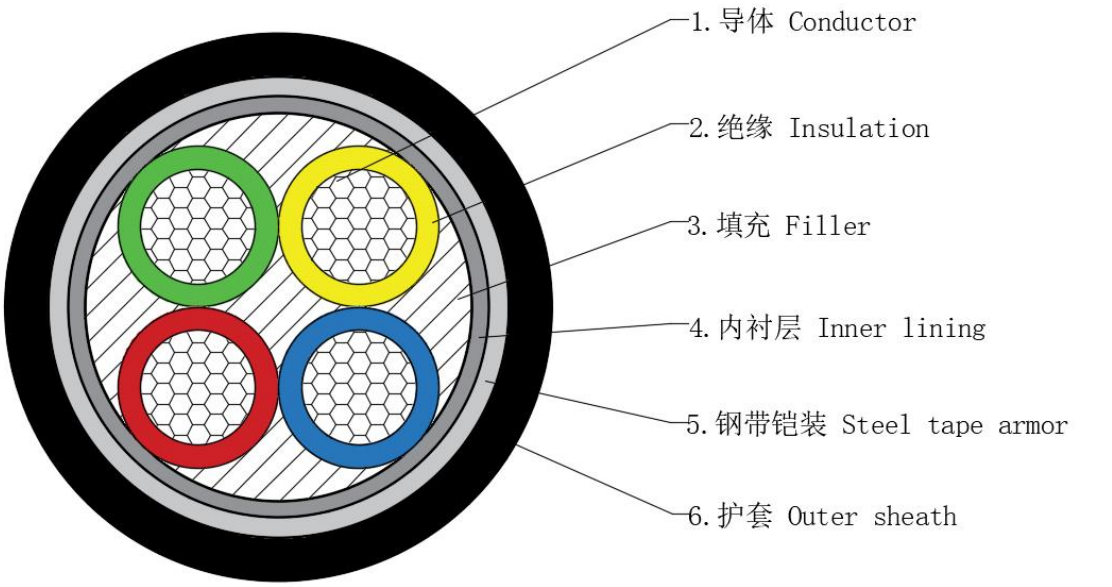
三芯非铠装电力电缆
3-core conductor no armor power cable



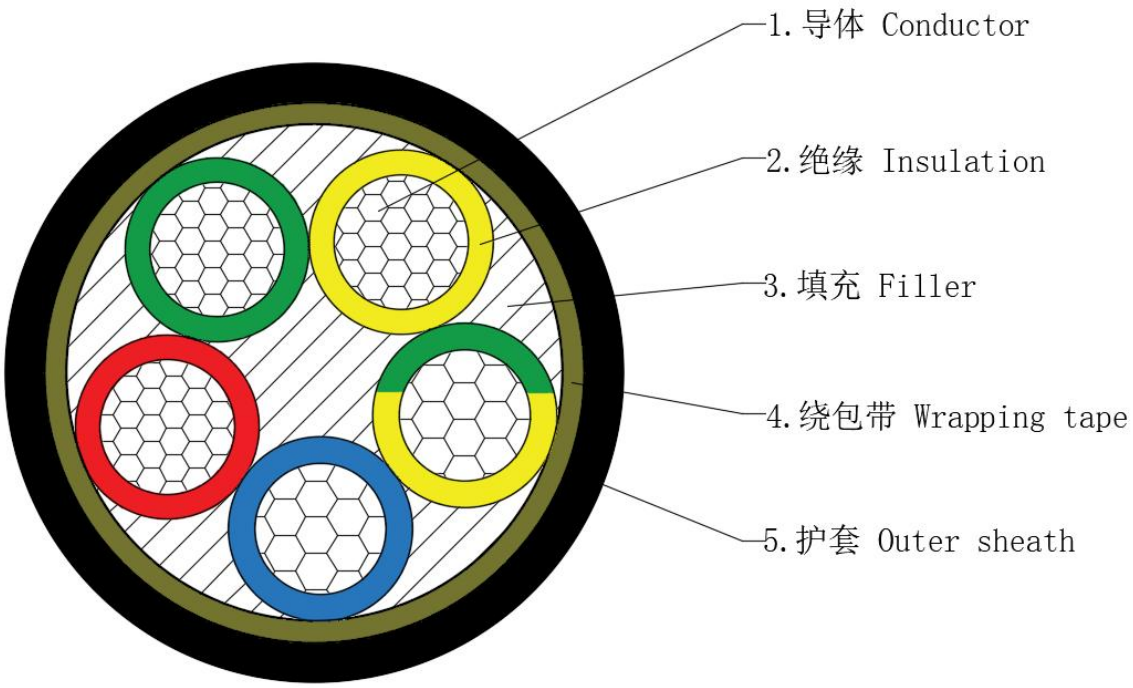
三芯钢带铠装电力电缆
3-core conductor steel tape armor power cable



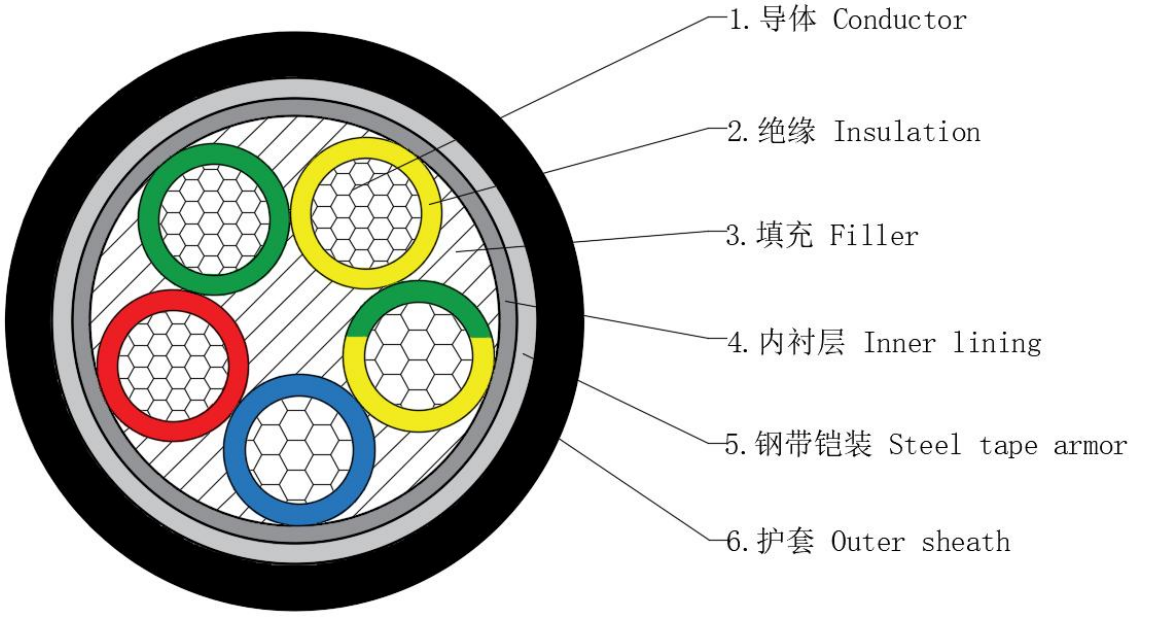
4芯非铠装电力电缆
4-core conductor no armor power cable



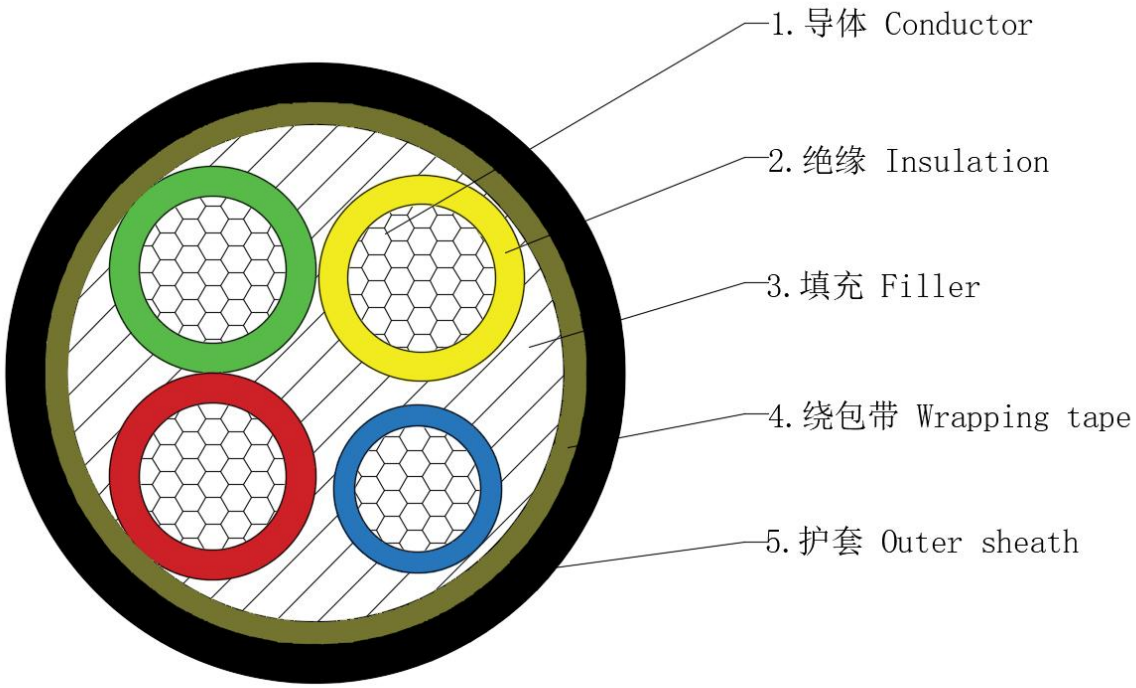
4芯钢带铠装电力电缆
4-core conductor steel tape armor power cable



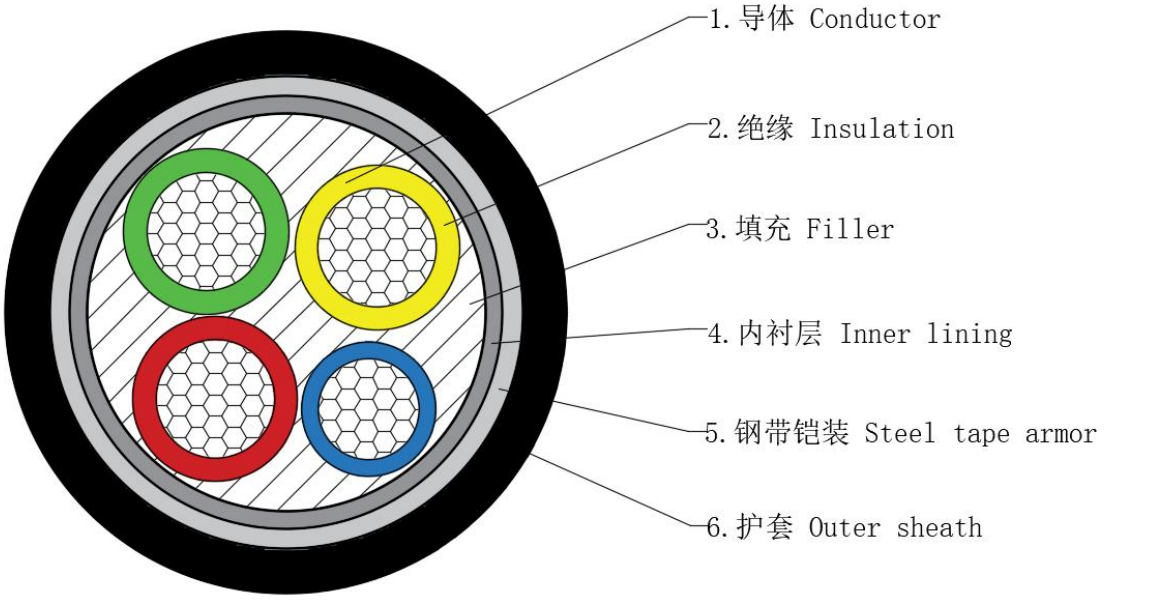
5芯非铠装电力电缆
5-core conductor no armor power cable



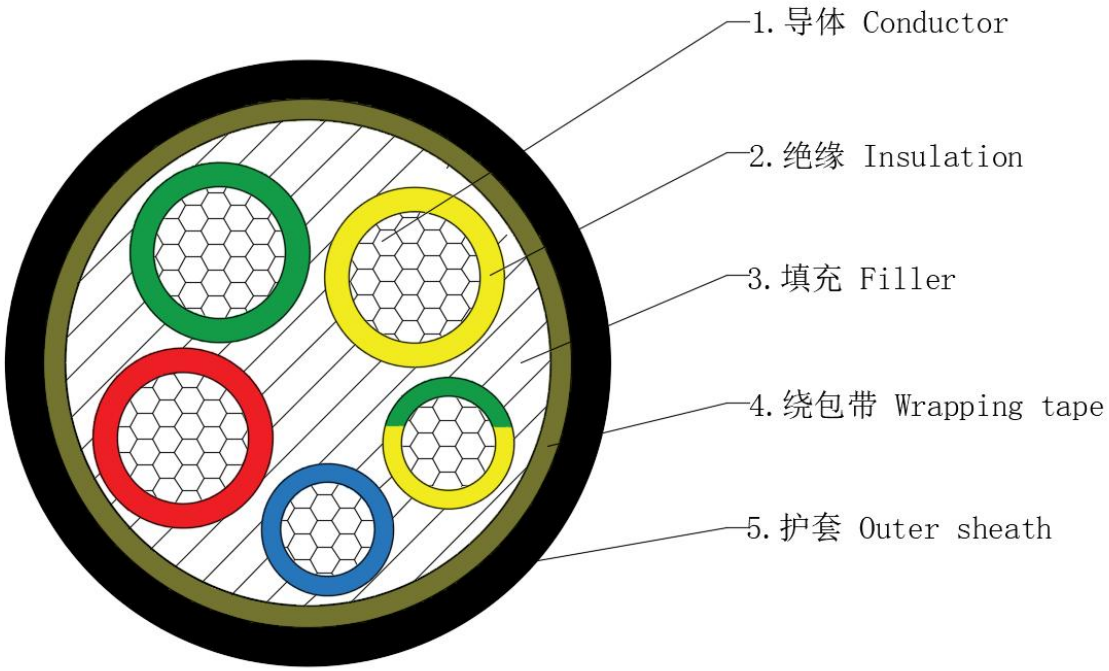
5芯钢带铠装电力电缆
5-core conductor steel tape armor power cable



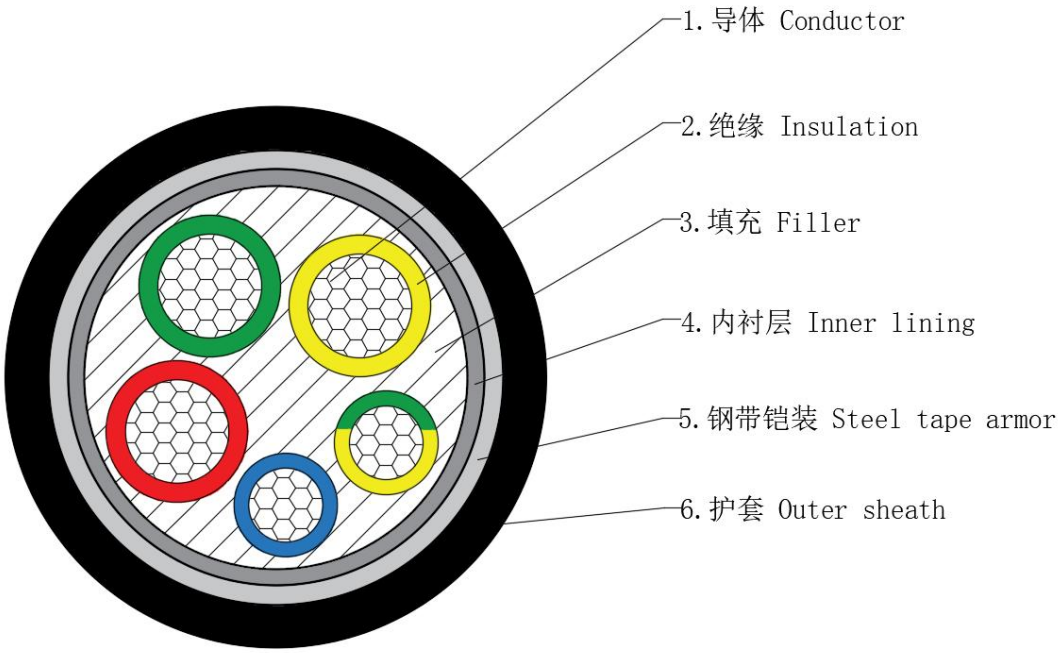
3+1芯非铠装电力电缆
3+1-core conductor no armor power cable



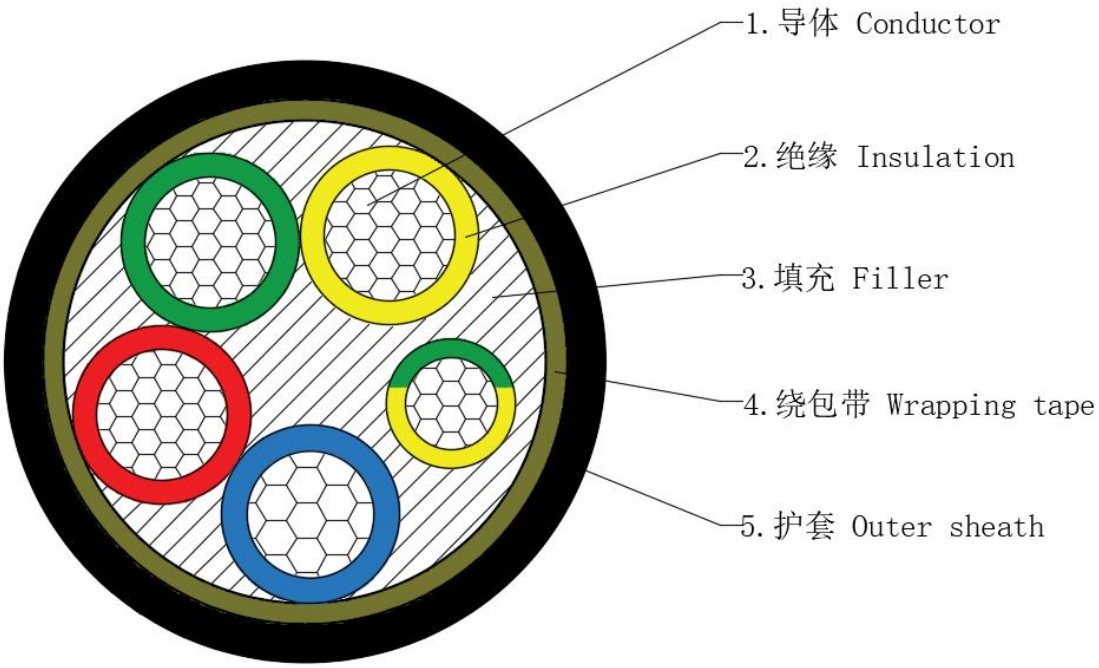
3+1芯钢带铠装电力电缆
3+1-core conductor steel tape armor power cable



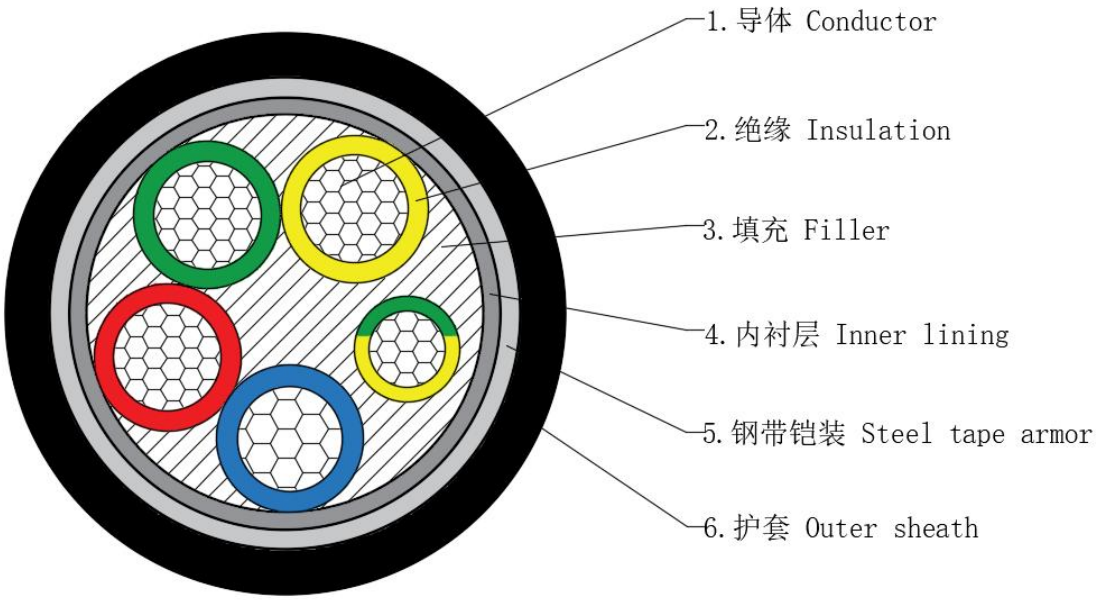
3+2芯非铠装电力电缆
3+2-core conductor no armor power cable



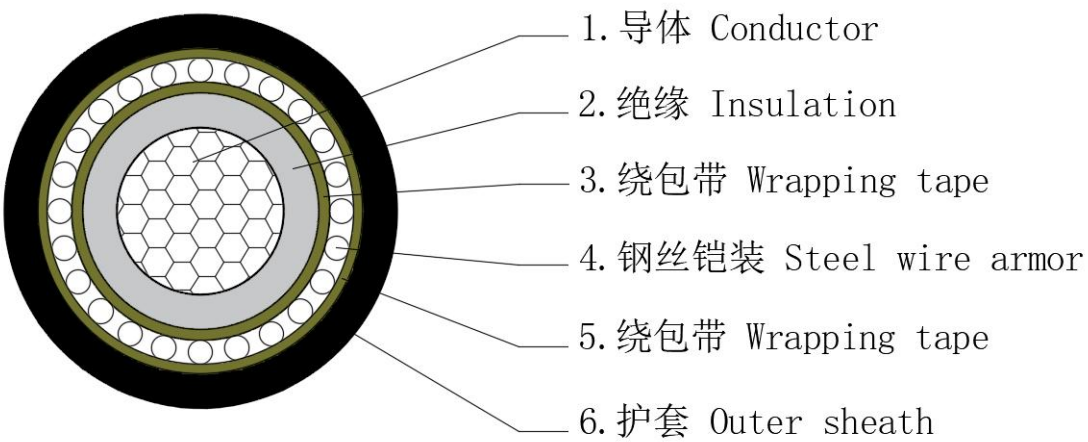
3+2芯钢带铠装电力电缆
3+2-core conductor steel tape armor power cable



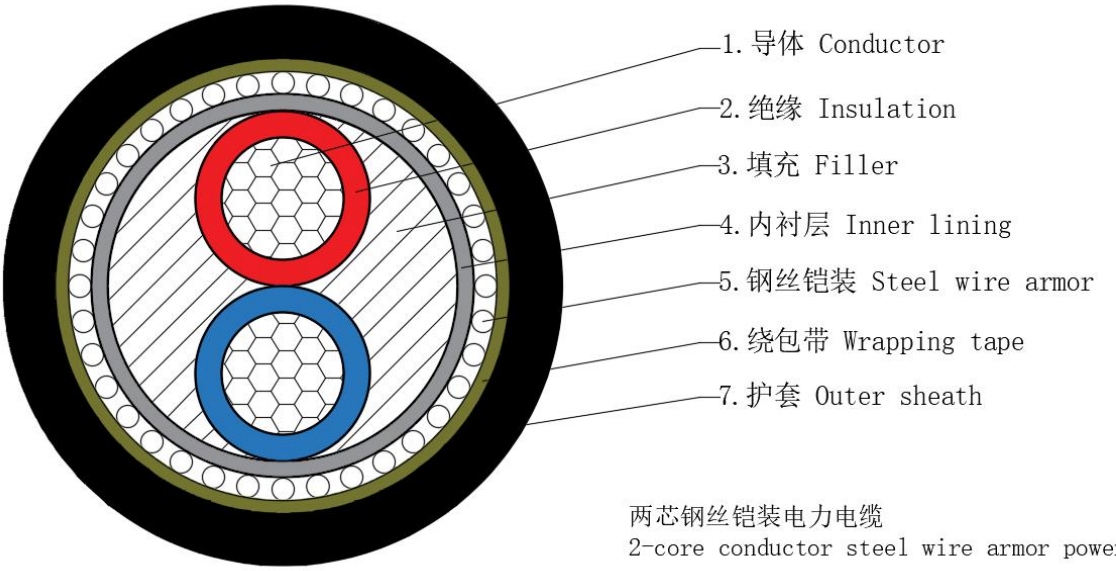
4+1芯非铠装电力电缆
4+1-core conductor no armor power cable



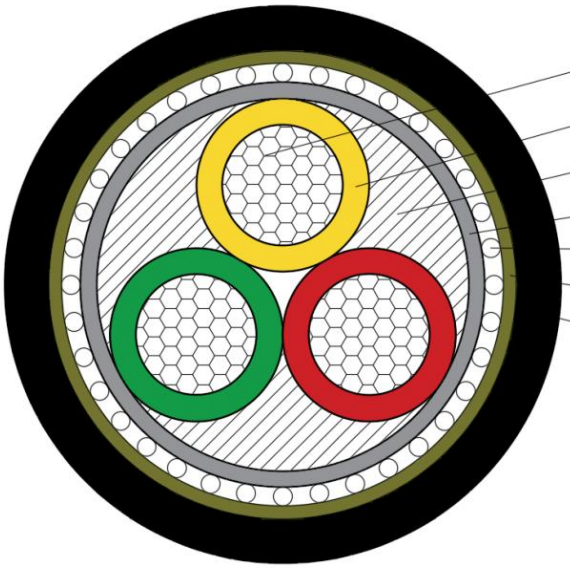
4+1芯钢带铠装电力电缆
4+1-core conductor steel tape armor power cable



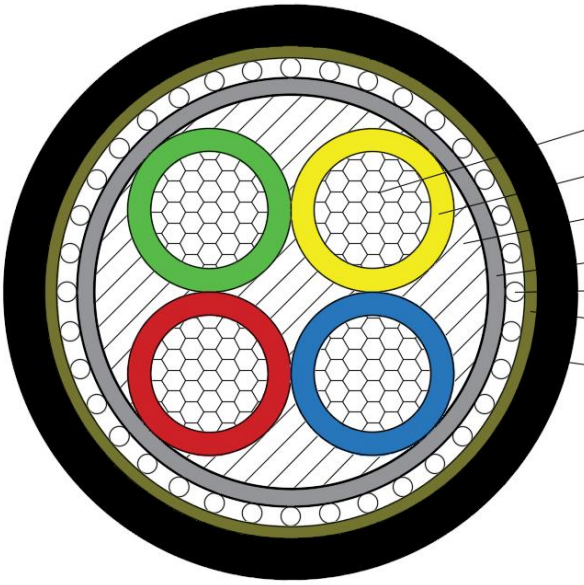
单芯钢丝铠装电力电缆
1-core conductor steel wire armor power cable



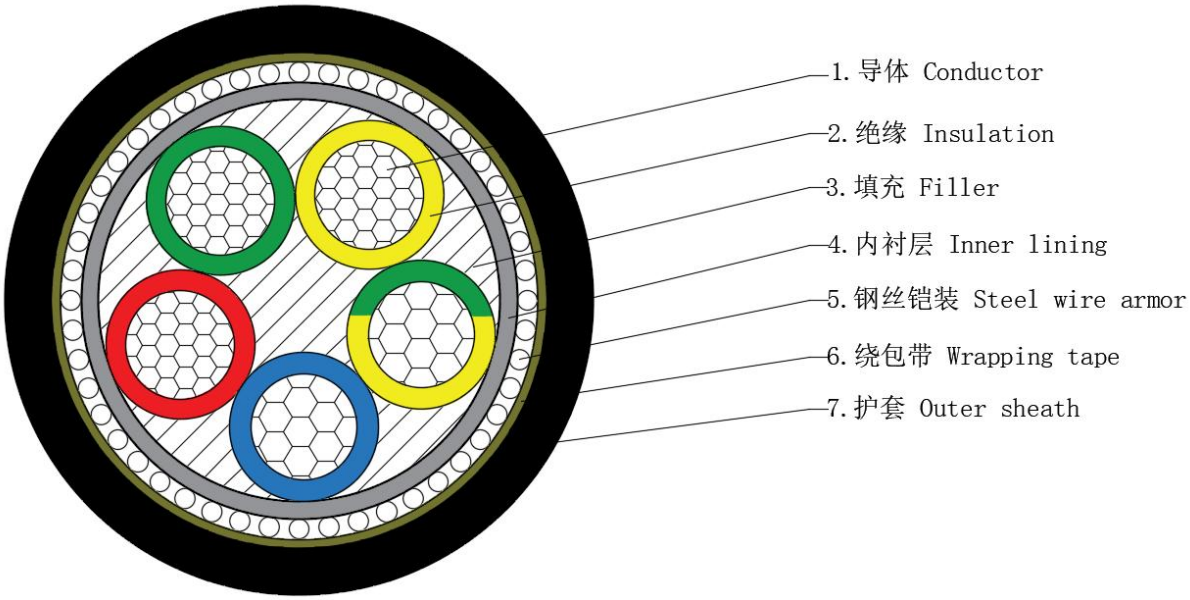
两芯钢丝铠装电力电缆
2-core conductor steel wire armor power cable



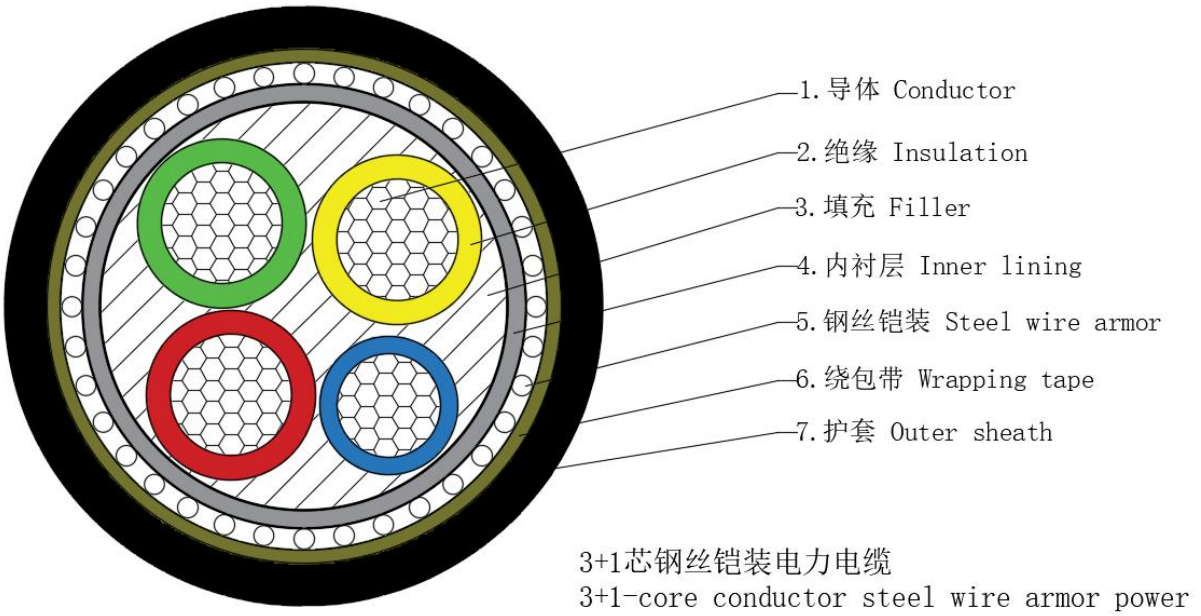
三芯钢丝铠装电力电缆
3-core conductor steel wire armor power cable



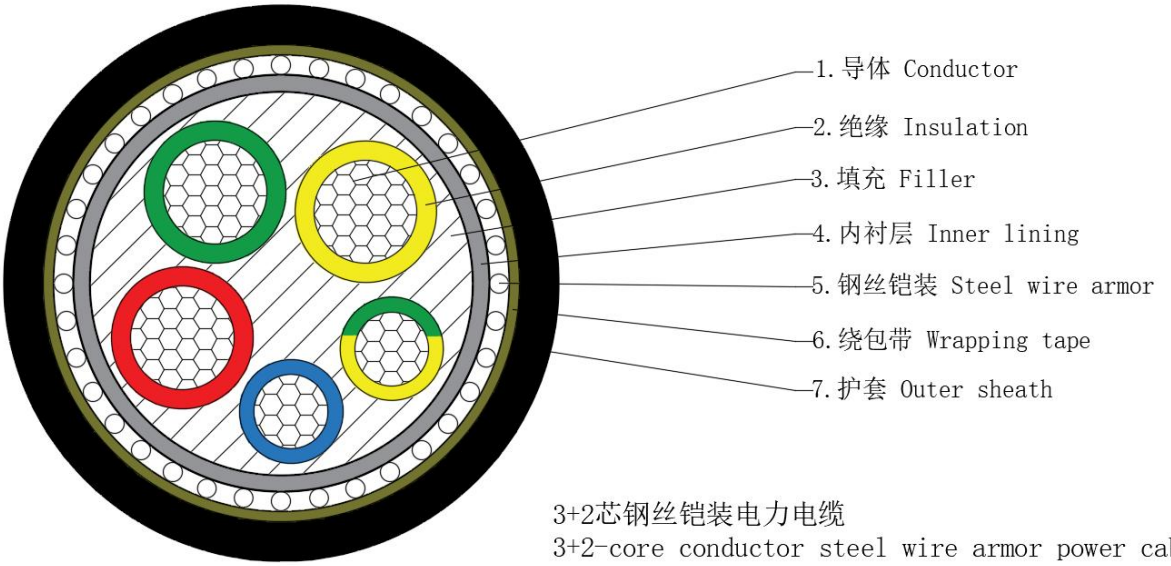
4芯钢丝铠装电力电缆
4-core conductor steel wire armor power cable



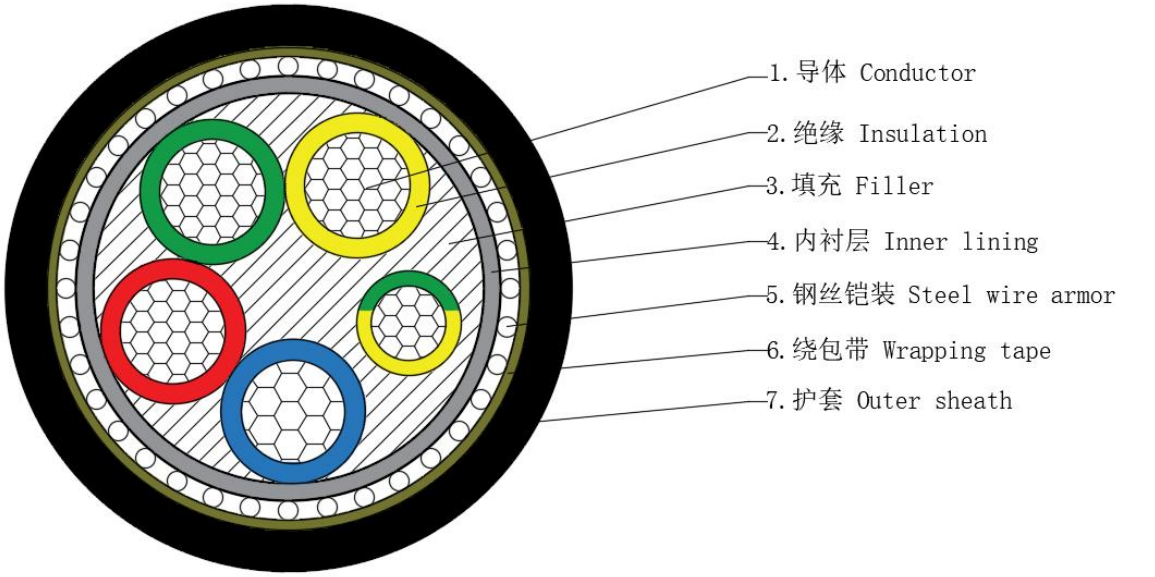
5芯钢丝铠装电力电缆
5-core conductor steel wire armor power cable



3+1芯钢丝铠装电力电缆
3+1-core conductor steel wire armor power cable



3+2芯钢丝铠装电力电缆
3+2-core conductor steel wire armor power cable



4+1芯钢丝铠装电力电缆
4+1-core conductor steel wire armor power cable

导体最大直流/交流电阻：Maximum DC/AC resistance of conductor

导体标称截面 Nominal cross section of conductor mm^2	20℃最大直流电阻 20℃ Maximum dc resistance Ω/km		90℃最大交流电阻 90℃ Maximum ac resistance Ω/km	
	铜 copper	铝 aluminium	铜 copper	铝 aluminium
1.5	12.1	/	15.4	/
2.5	7.41	/	9.44	/
4	4.61	/	5.87	/
6	3.08	/	3.92	/
10	1.83	3.08	2.33	3.9487
16	1.15	1.91	1.46	2.4487
25	0.727	1.2	0.927	1.5385
35	0.524	0.868	0.668	1.1130
50	0.387	0.641	0.493	0.8220
70	0.268	0.443	0.342	0.5681
95	0.193	0.32	0.246	0.4105
120	0.153	0.253	0.195	0.3247
150	0.124	0.206	0.158	0.2645
185	0.0991	0.164	0.1272	0.2108
240	0.0754	0.125	0.0972	0.1609
300	0.0601	0.100	0.0780	0.1290
400	0.047	0.0778	0.061	0.1010
500	0.0366	0.0605	0.0489	0.0789
630	0.0283	0.0469	0.0389	0.0619

绝缘标称厚度：Nominal insulation thickness

标称截面 nominal cross section mm^2	1.5	2.5	4	6	10	16	25	35	50
标称厚度 nominal thickness mm	0.7	0.7	0.7	0.7	0.7	0.7	0.9	0.9	1.0
标称截面 nominal cross section mm^2	70	95	120	150	185	240	300	400	500
标称厚度 nominal thickness mm	1.1	1.1	1.2	1.4	1.6	1.7	1.8	2.0	2.2

交流耐压试验：AC voltage withstand test

成品电缆经受交流 50Hz、3500V/5min 的电压试验不击穿，对单芯非铠装电缆，进行浸水耐压试验。

The finished cable tested by AC 50Hz, 3500V/5min voltage without breakdown, and for single-core non-armoured cables, the submersible voltage test is carried out.

产品结构尺寸（仅供参考）：Product structure size (for reference only)

导体外径：Conductor stranding OD

标称截面 nominal cross section mm^2	1.5	2.5	4	6	10	16	25	35	50
铜导体近似外径 Approximate outer diameter of copper conductor mm	1.36	1.74	2.21	2.71	3.9	4.8	6.0	6.9	8.1
铝导体近似外径 Approximate outer diameter of aluminum conductor mm	/	/	/	/	3.9	4.8	6.0	6.9	8.1
标称截面 nominal cross section mm^2	70	95	120	150	185	240	300	400	500

铜导体近似外径 Approximate outer diameter of copper conductor mm	9.2	10.8	12.2	13.5	15.1	17.4	19.4	21.9	26.4
铝导体近似外径 Approximate outer diameter of aluminum conductor mm	9.7	11.4	12.1	13.3	15.0	17.2	19.2	21.8	26.4

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
1	1.5	1.4	5.2	40	/
1	2.5	1.4	5.6	52	/
1	4	1.4	6.1	68	/
1	6	1.4	6.6	90	/
1	10	1.4	7.7	133	74
1	16	1.4	8.7	195	98
1	25	1.4	10.1	283	136
1	35	1.4	11.1	380	170
1	50	1.4	12.4	494	219
1	70	1.4	14.1	695	295
1	95	1.5	16.0	945	385
1	120	1.5	17.6	1169	475
1	150	1.6	19.6	1441	577
1	185	1.6	21.7	1809	719
1	240	1.7	24.3	2344	915
1	300	1.8	26.6	2917	1110
1	400	1.9	29.7	3692	1411
1	500	2.0	34.4	4793	1775
2	1.5	1.8	9.3	101	/
2	2.5	1.8	10.1	127	/
2	4	1.8	11.0	165	/
2	6	1.8	12.0	212	/
2	10	1.8	14.2	313	191
2	16	1.8	16.2	450	254
2	25	1.8	19.1	648	353

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
2	35	1.8	21.1	859	425
2	50	1.8	23.7	1113	548
2	70	1.8	27.1	1553	696
2	95	1.9	30.7	2094	914
2	120	2.0	34.0	2600	1129
2	150	2.2	38.0	3216	1373
2	185	2.3	42.4	4045	1714
2	240	2.5	47.6	5229	2177
2	300	2.6	52.2	6473	2623
2	400	3.1	58.5	8210	3556
2	500	3.1	67.9	10648	4626
3	1.5	1.8	9.8	121	/
3	2.5	1.8	10.6	157	/
3	4	1.8	11.6	209	/
3	6	1.8	12.7	275	/
3	10	1.8	15.1	412	229
3	16	1.8	17.2	606	308
3	25	1.8	20.3	883	438
3	35	1.8	22.5	1185	536
3	50	1.8	25.3	1545	695
3	70	1.9	29.2	2186	926
3	95	2.0	33.0	2959	1218
3	120	2.1	36.6	3681	1513
3	150	2.3	40.9	4550	1843
3	185	2.4	45.6	5728	2304
3	240	2.6	51.2	7420	2941
3	300	2.7	56.1	9211	3568
3	400	3.0	62.9	11691	4710
3	500	3.2	73.0	15202	6114
4	1.5	1.8	10.5	145	/
4	2.5	1.8	11.5	190	/
4	4	1.8	12.6	258	/
4	6	1.8	13.8	344	/
4	10	1.8	16.4	522	282
4	16	1.8	18.9	776	380
4	25	1.8	22.3	1136	540
4	35	1.8	24.7	1533	669

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
4	50	1.8	27.9	2005	882
4	70	2.0	32.4	2857	1188
4	95	2.1	36.7	3877	1567
4	120	2.3	40.9	4840	1950
4	150	2.4	45.4	5960	2383
4	185	2.6	50.9	7531	2979
4	240	2.8	57.1	9756	3814
4	300	3.0	62.8	12141	4633
4	400	3.3	70.4	15411	6103
4	500	3.5	81.6	20031	7914
5	1.5	1.8	11.3	171	/
5	2.5	1.8	12.4	226	/
5	4	1.8	13.6	309	/
5	6	1.8	15.0	415	/
5	10	1.8	17.9	635	333
5	16	1.8	20.6	950	458
5	25	1.8	24.5	1396	643
5	35	1.8	27.2	1890	818
5	50	1.9	30.8	2489	1063
5	70	2.1	35.8	3548	1472
5	95	2.2	40.6	4815	1942
5	120	2.4	45.2	6010	2420
5	150	2.6	50.5	7426	2957
5	185	2.7	56.6	9380	3714
5	240	3.0	63.4	12151	4754
5	300	3.2	69.7	15121	5780
5	400	3.5	78.1	19191	7556
5	500	3.8	90.8	24977	9831
3+1	4/2.5	1.8	12.3	241	/
3+1	6/4	1.8	13.5	322	/
3+1	10/6	1.8	15.8	477	/
3+1	16/10	1.8	18.3	712	358
3+1	25/16	1.8	21.4	1045	501
3+1	35/16	1.8	23.3	1342	600
3+1	50/25	1.8	26.5	1785	793
3+1	70/35	1.9	30.4	2516	1080
3+1	95/50	2.1	34.6	3413	1397

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
3+1	120/70	2.2	38.7	4333	1762
3+1	150/70	2.3	42.2	5170	2086
3+1	185/95	2.5	47.4	6604	2635
3+1	240/120	2.6	52.9	8487	3348
3+1	300/150	2.8	58.4	10557	4077
4+1	4/2.5	1.8	13.4	292	/
4+1	6/4	1.8	14.7	394	/
4+1	10/6	1.8	17.3	591	/
4+1	16/10	1.8	20.1	886	433
4+1	25/16	1.8	23.7	1306	620
4+1	35/16	1.8	25.8	1699	751
4+1	50/25	1.9	29.6	2270	1010
4+1	70/35	2.0	34.0	3204	1387
4+1	95/50	2.2	38.7	4352	1806
4+1	120/70	2.3	43.3	5505	2277
4+1	150/70	2.5	47.6	6634	2654
4+1	150/95	2.5	48.5	6893	2756
4+1	185/95	2.6	53.2	8430	3387
4+1	240/120	2.9	59.8	10903	4332
4+1	300/150	3.1	65.9	13561	5327
3+2	4/2.5	1.8	13.1	276	/
3+2	6/4	1.8	14.4	372	/
3+2	10/6	1.8	16.7	547	/
3+2	16/10	1.8	19.5	823	408
3+2	25/16	1.8	22.9	1216	570
3+2	35/16	1.8	24.5	1510	660
3+2	50/25	1.8	28.2	2041	894
3+2	70/35	2.0	32.4	2878	1211
3+2	95/50	2.1	36.7	3878	1579
3+2	120/70	2.3	41.5	5019	2023
3+2	150/70	2.4	44.6	5849	2333
3+2	185/95	2.5	50.1	7513	2968
3+2	240/120	2.7	56.1	9644	3771
3+2	300/150	2.9	61.9	11987	4603

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
1	1.5	1.4	8.0	98	/
1	2.5	1.4	8.3	112	/
1	4	1.4	8.8	133	/
1	6	1.4	9.3	159	/
1	10	1.4	10.4	212	175
1	16	1.4	11.4	283	210
1	25	1.4	12.8	383	266
1	35	1.4	13.8	488	311
1	50	1.4	15.1	614	377
1	70	1.5	17.0	837	472
1	95	1.6	18.9	1104	578
1	120	1.6	20.5	1343	682
1	150	1.7	22.5	1634	796
1	185	1.7	24.6	2022	955
1	240	1.8	27.2	2580	1167
1	300	1.9	29.6	3176	1380
1	400	2.0	32.7	3979	1716
1	500	2.2	39.7	5532	2515
2	1.5	1.8	11.5	182	/
2	2.5	1.8	12.3	214	/
2	4	1.8	13.2	260	/
2	6	1.8	14.2	316	/
2	10	1.8	16.4	434	319
2	16	1.8	18.4	589	400
2	25	1.8	21.2	810	527
2	35	1.8	23.2	1039	618
2	50	1.8	25.8	1315	767
2	70	1.9	29.5	1796	956
2	95	2.0	33.0	2369	1206
2	120	2.2	39.3	3306	1868
2	150	2.3	43.1	3982	2180
2	185	2.4	47.5	4896	2620
2	240	2.6	53.3	6224	3241
2	300	2.8	58.1	7586	3769
2	400	3.2	63.7	9422	4728
2	500	3.2	73.1	12087	6029
3	1.5	1.8	12.0	206	/

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
3	2.5	1.8	12.8	248	/
3	4	1.8	13.8	309	/
3	6	1.8	14.9	384	/
3	10	1.8	17.2	541	364
3	16	1.8	19.4	754	462
3	25	1.8	22.5	1056	623
3	35	1.8	24.6	1377	741
3	50	1.8	27.4	1760	931
3	70	2.0	31.5	2447	1520
3	95	2.2	38.3	3644	1928
3	120	2.3	41.9	4436	2307
3	150	2.4	46.0	5371	2710
3	185	2.6	50.9	6665	3279
3	240	2.7	56.9	8488	4083
3	300	2.9	62.1	10404	4800
3	400	3.2	68.3	13022	6041
3	500	3.4	78.4	16743	7656
4	1.5	1.8	12.7	236	/
4	2.5	1.8	13.6	289	/
4	4	1.8	14.8	366	/
4	6	1.8	16.0	462	/
4	10	1.8	18.6	663	429
4	16	1.8	21.0	937	549
4	25	1.8	24.5	1326	743
4	35	1.8	26.9	1744	895
4	50	1.9	30.2	2255	1149
4	70	2.0	34.7	3147	1497
4	95	2.2	41.9	4634	2354
4	120	2.4	46.0	5660	2830
4	150	2.5	51.3	6933	3393
4	185	2.7	56.6	8593	4114
4	240	2.9	62.9	10944	5086
4	300	3.1	68.5	13446	6007
4	400	3.4	75.6	16864	7556
4	500	3.7	88.2	22587	10470
5	1.5	1.8	13.5	268	/
5	2.5	1.8	14.5	332	/

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
5	4	1.8	15.8	426	/
5	6	1.8	17.2	543	/
5	10	1.8	20.1	788	493
5	16	1.8	22.8	1126	642
5	25	1.8	26.6	1605	866
5	35	1.9	29.5	2134	1075
5	50	2.0	33.2	2765	1360
5	70	2.2	40.9	4270	2244
5	95	2.4	45.9	5651	2814
5	120	2.6	50.5	6939	3396
5	150	2.7	56.2	8480	4077
5	185	2.9	62.3	10557	4971
5	240	3.1	69.2	13469	6169
5	300	3.4	75.7	16600	7691
5	400	3.7	84.7	21638	10003
5	500	4.0	97.5	27818	12673
3+1	4/2.5	1.8	14.5	347	/
3+1	6/4	1.8	15.7	438	/
3+1	10/6	1.8	18.0	612	/
3+1	16/10	1.8	20.4	868	513
3+1	25/16	1.8	23.6	1228	696
3+1	35/16	1.8	25.4	1540	812
3+1	50/25	1.9	28.8	2023	1043
3+1	70/35	2.0	32.7	2788	1371
3+1	95/50	2.2	39.7	4111	2139
3+1	120/70	2.3	43.8	5112	2598
3+1	150/70	2.5	47.5	6037	2984
3+1	185/95	2.6	53.1	7594	3691
3+1	240/120	2.8	58.8	9615	4534
3+1	300/150	3.0	64.3	11798	5359
4+1	4/2.5	1.8	15.6	407	/
4+1	6/4	1.8	16.9	520	/
4+1	10/6	1.8	19.5	739	/
4+1	16/10	1.8	22.3	1058	605
4+1	25/16	1.8	25.9	1508	834
4+1	35/16	1.8	28.0	1920	988
4+1	50/25	2.0	32.0	2535	1293

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
4+1	70/35	2.2	39.3	3909	2122
4+1	95/50	2.3	43.8	5132	2637
4+1	120/70	2.5	48.6	6394	3211
4+1	150/70	2.6	53.3	7627	3713
4+1	150/95	2.7	54.4	7928	3832
4+1	185/95	2.8	59.1	9564	4532
4+1	240/120	3.0	65.6	12146	5602
4+1	300/150	3.2	71.7	14928	6712
3+2	4/2.5	1.8	15.3	389	/
3+2	6/4	1.8	16.6	496	/
3+2	10/6	1.8	18.9	690	/
3+2	16/10	1.8	21.7	990	575
3+2	25/16	1.8	25.1	1412	777
3+2	35/16	1.8	26.7	1719	883
3+2	50/25	1.9	30.5	2293	1162
3+2	70/35	2.1	36.9	3503	1521
3+2	95/50	2.3	42.0	4635	2368
3+2	120/70	2.4	46.6	5852	2917
3+2	150/70	2.5	49.7	6744	3285
3+2	185/95	2.7	56.0	8581	4086
3+2	240/120	2.9	62.0	10836	5027
3+2	300/150	3.1	67.9	13301	5964

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV72/ YJV32	YJLV72/ YJLV32
1	1.5	1.4	9.6	113	/
1	2.5	1.4	9.9	129	/
1	4	1.4	10.4	150	/
1	6	1.4	10.9	177	/
1	10	1.4	12.0	232	171
1	16	1.4	13.0	305	206
1	25	1.4	14.4	406	258

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV72/ YJV32	YJLV72/ YJLV32
1	35	1.4	16.5	561	350
1	50	1.4	17.8	696	415
1	70	1.5	19.7	928	520
1	95	1.6	22.1	1241	674
1	120	1.6	23.9	1502	791
1	150	1.7	25.9	1805	929
1	185	1.7	28.0	2209	1099
1	240	1.8	30.6	2790	1337
1	300	1.9	33.8	3490	1667
1	400	2.0	37.4	4370	2052
1	500	2.2	42.1	5566	2549
2	1.5	1.8	13.7	304	/
2	2.5	1.8	14.5	342	/
2	4	1.8	15.4	401	/
2	6	1.8	17.3	580	/
2	10	1.8	19.5	740	619
2	16	1.8	21.5	938	741
2	25	1.8	25.0	1362	1063
2	35	1.8	27.0	1649	1226
2	50	1.8	29.8	2009	1445
2	70	1.9	34.2	2797	1978
2	95	2.0	38.2	3541	2402
2	120	2.2	41.7	4216	2790
2	150	2.3	46.5	5360	3600
2	185	2.4	51.5	6514	4286
2	240	2.6	56.5	7961	5045
2	300	2.8	61.6	9552	5893
2	400	3.2	67.8	11605	6951
2	500	3.2	78.7	15487	9429
3	1.5	1.8	14.2	331	/
3	2.5	1.8	15.0	382	/
3	4	1.8	16.0	456	/
3	6	1.8	18.0	665	/
3	10	1.8	20.3	874	692
3	16	1.8	22.5	1129	833
3	25	1.8	26.3	1636	1188
3	35	1.8	28.4	2015	1381

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV72/ YJV32	YJLV72/ YJLV32
3	50	1.8	31.4	2499	1653
3	70	2.0	36.6	3571	2342
3	95	2.2	40.5	4502	2794
3	120	2.3	44.1	5402	3263
3	150	2.4	49.8	6910	4271
3	185	2.6	54.7	8389	5047
3	240	2.7	60.6	10454	6079
3	300	2.9	65.6	12492	7002
3	400	3.2	73.7	16196	9215
3	500	3.4	84.3	20527	11440
4	1.5	1.8	14.9	370	/
4	2.5	1.8	15.8	437	/
4	4	1.8	17.9	638	/
4	6	1.8	19.1	759	/
4	10	1.8	21.7	1020	778
4	16	1.8	24.8	1457	1063
4	25	1.8	28.3	1945	1348
4	35	1.8	30.9	2447	1602
4	50	1.9	35.2	3320	2192
4	70	2.0	39.9	4369	2730
4	95	2.2	44.2	5600	3322
4	120	2.4	49.7	7201	4348
4	150	2.5	54.5	8581	5062
4	185	2.7	59.8	10456	5998
4	240	2.9	66.5	13090	7257
4	300	3.1	72.0	15785	8466
4	400	3.4	81.5	20491	11182
4	500	3.7	93.0	25895	13778
5	1.5	1.8	15.7	412	/
5	2.5	1.8	17.6	604	/
5	4	1.8	18.9	723	/
5	6	1.8	20.3	866	/
5	10	1.8	23.9	1311	1009
5	16	1.8	26.6	1721	1228

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV72/ YJV32	YJLV72/ YJLV32
5	25	1.8	30.6	2292	1546
5	35	1.9	33.5	2918	1861
5	50	2.0	38.5	3952	2543
5	70	2.2	43.3	5212	3164
5	95	2.4	49.6	7193	4346
5	120	2.6	54.3	8631	5064
5	150	2.7	59.4	10308	5910
5	185	2.9	65.8	12680	7109
5	240	3.1	72.9	15868	8577
5	300	3.4	80.8	20144	10994
5	400	3.7	89.4	24831	13196
5	500	4.0	102.0	31474	16328
3+1	4/2.5	1.8	17.6	619	/
3+1	6/4	1.8	18.8	736	/
3+1	10/6	1.8	21.1	952	/
3+1	16/10	1.8	24.2	1390	1034
3+1	25/16	1.8	27.4	1837	1290
3+1	35/16	1.8	29.4	2220	1487
3+1	50/25	1.9	32.8	2770	1775
3+1	70/35	2.0	39.0	4267	2826
3+1	95/50	2.2	43.1	5337	3347
3+1	120/70	2.3	47.2	6484	3934
3+1	150/70	2.5	51.2	7641	4593
3+1	185/95	2.6	56.3	9339	5427
3+1	240/120	2.8	62.3	11618	6530
3+1	300/150	3.0	67.8	13985	7616
4+1	4/2.5	1.8	18.7	696	/
4+1	6/4	1.8	20.0	843	/
4+1	10/6	1.8	23.3	1247	/
4+1	16/10	1.8	26.1	1638	1184
4+1	25/16	1.8	29.8	2202	1506
4+1	35/16	1.8	32.0	2673	1729
4+1	50/25	2.0	37.1	3659	2381
4+1	70/35	2.2	41.7	4821	2971

芯数 qty of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outer diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV72/ YJV32	YJLV72/ YJLV32
4+1	95/50	2.3	47.3	6544	3984
4+1	120/70	2.5	52.3	8026	4763
4+1	150/70	2.6	56.4	9370	5442
4+1	150/95	2.7	57.5	9700	5612
4+1	185/95	2.8	62.6	11562	6536
4+1	240/120	3.0	69.1	14356	7810
4+1	300/150	3.2	76.7	18233	10034
3+2	4/2.5	1.8	18.4	678	/
3+2	6/4	1.8	19.7	811	/
3+2	10/6	1.8	22.0	1055	/
3+2	16/10	1.8	25.5	1556	1140
3+2	25/16	1.8	28.9	2064	1419
3+2	35/16	1.8	30.7	2428	1597
3+2	50/25	1.9	35.5	3358	2213
3+2	70/35	2.1	39.9	4391	2739
3+2	95/50	2.3	44.4	5618	3346
3+2	120/70	2.4	50.6	7446	4486
3+2	150/70	2.5	53.7	8424	4965
3+2	185/95	2.7	59.1	10413	5931
3+2	240/120	2.9	65.5	12926	7125
3+2	300/150	3.1	71.4	15609	8360

导体短路电流：Conductor short-circuit current

标称截面 nominal cross section mm^2	铜芯 cooper conductor I kA			铝芯 aluminum-conductor I kA		
	t=1s	t=3s	t=5s	t=1s	t=3s	t=5s
1.5	0.21	0.12	0.10	/	/	/
2.5	0.36	0.21	0.16	/	/	/
4	0.57	0.33	0.26	/	/	/
6	0.86	0.50	0.38	/	/	/
10	1.43	0.83	0.64	0.94	0.55	0.42
16	2.29	1.32	1.02	1.51	0.87	0.68
25	3.58	2.07	1.60	2.36	1.36	1.06

标称截面 nominal cross section mm^2	铜芯 cooper conductor I kA			铝芯 aluminum-conductor I kA		
	t=1s	t=3s	t=5s	t=1s	t=3s	t=5s
35	5.01	2.89	2.24	3.31	1.91	1.48
50	7.15	4.13	3.20	4.72	2.73	2.11
70	10.02	5.78	4.48	6.61	3.82	2.96
95	13.59	7.85	6.08	8.98	5.18	4.01
120	17.17	9.91	7.68	11.34	6.55	5.07
150	21.46	12.39	9.60	14.17	8.18	6.34
185	26.47	15.28	11.84	17.48	10.09	7.82
240	34.34	19.83	15.36	22.68	13.09	10.14
300	42.93	24.78	19.20	28.35	16.37	12.68
400	57.23	33.04	25.60	37.79	21.82	16.90
500	71.54	41.30	31.99	47.24	27.28	21.13
630	90.14	52.04	40.31	59.52	34.37	26.62

载流量(包含修正系数)：Current carrying capacity (including correction factor)

铜芯电力电缆载流量（A）cooper core power cable carrying capacity（A）

标称截面 nominal cross section mm²	非铠型电缆 Non-armored cable						钢带铠装型电缆 Steel tape armoured cable					
	单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		二芯 two cores		三-五芯 3-5 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		二芯 two cores		三-五芯 3-5 cores	
	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil
2.5	31/41	42/46	33	46	28	39	31/41	42/46	35	45	30	35
4	41/54	55/59	43	59	37	51	41/54	55/59	45	59	40	50
6	52/68	69/74	55	75	47	64	52/68	69/74	55	74	50	60
10	71/93	92/98	76	100	65	86	71/93	92/98	75	100	64	85
16	92/120	115/125	97	130	84	110	92/120	115/125	97	135	83	110
25	120/150	150/160	130	165	110	140	120/155	150/160	125	165	110	140
35	150/195	180/190	160	200	135	170	150/195	180/190	155	200	135	170
50	180/235	215/230	195	240	170	205	180/235	215/230	190	240	165	200
70	230/295	265/280	245	290	215	250	230/295	265/280	245	295	210	245
95	285/370	320/335	305	355	265	300	285/370	320/335	300	355	260	300
120	335/430	360/385	355	405	310	345	335/430	360/385	350	405	305	335
150	385/495	410/460	405	450	350	385	385/495	410/430	400	455	345	380
185	450/570	460/490	465	510	405	435	450/570	460/490	460	515	395	430
240	535/680	535/570	545	575	480	500	535/680	535/570	525	580	465	500
300	620/790	605/645	635	655	555	565	620/790	605/645	590	645	535	565
400	720/920	685/735	735	750	640	640	720/920	685/735	660	715	620	650
500	835/1080	775/840	845	850	735	725	835/1080	775/840	740	795	705	725
630	960/1260	865/950	965	960	845	825	960/1260	865/950	830	885	800	805

铝芯电力电缆载流量（A）Aluminum core power cable carrying capacity（A）

标称截面 nominal cross section mm²	非铠型电缆 Non-armored cable						钢带铠装型电缆 Steel tape armoured cable					
	单芯 single core		二芯 two cores		三-五芯 3-5 cores		单芯 single core		二芯 two cores		三-五芯 3-5 cores	
	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil	空气 Air	土壤 soil
2.5	24	33	25	36	22	31	19	32	20	35	17	30
4	32	43	34	47	29	40	29	42	30	47	28	40

6	42	56	45	61	39	52	41	55	43	61	38	50
10	55	71	58	78	50	66	55	69	58	77	50	65
16	71	91	75	100	65	85	71	95	75	105	64	85
25	94	115	100	130	87	110	95	117	100	130	86	110
35	115	140	120	155	105	130	114	140	120	155	105	130
50	140	165	150	185	130	160	138	167	145	185	125	155
70	180	205	190	225	165	195	181	207	190	230	165	190
95	220	245	235	275	205	235	223	248	235	275	200	230
120	260	280	275	315	240	265	257	284	270	315	235	260
150	300	315	315	350	270	300	295	320	310	355	270	295
185	350	360	365	395	315	340	337	360	355	400	310	335
240	415	420	435	450	375	395	385	405	405	450	365	390
300	485	475	515	515	435	445	437	455	460	505	420	440
400	570	545	605	590	510	510	499	513	525	570	495	505
500	670	620	705	685	600	595	575	585	605	650	580	585
630	790	705	815	800	710	700	670	675	705	750	685	690

注 Note：空气中环境温度 40℃；土壤中环境温度 25℃、热阻系数 1.0、埋地深度 700mm
air temperature 40℃; soil temperature 25℃, thermal resistance coefficient 1.0, and the buried depth 700mm

环境温度不同时的载流量修正系数表 Correction coefficient of carrying current at different ambient temperature

导体工作温度 Conductor operating temperature ℃	空气中环境温度℃ Ambient temperature in the air							
	20	25	30	35	40	45	50	55
90	1.23	1.17	1.12	1.06	1.00	0.94	0.87	0.81

导体工作温度 Conductor operating temperature ℃	土壤中环境温度℃ Ambient temperature in soil							
	10	15	20	25	30	35	40	
90	1.11	1.07	1.04	1.00	0.96	0.92	0.88	

不同土壤热阻系数的载流量修正系数 Current-carrying correction coefficients of different soil thermal resistance coefficients

土壤热阻系数 soil thermal resistivity ρ_w=（K*m/W）	1.0	1.2	1.5	2.0	2.5
校正系数 correction coefficient	1	0.93	0.85	0.75	0.67

注 Note：给出的校正系数是敷设方式范围内的平均值，校正系数的综合误差在±5%以内。The correction coefficient given is the average value in the range of laying methods, and the comprehensive tolerance of the correction coefficient is within ±5%

电缆安装时的最小弯曲半径：Minimum bending radius during cable installation:

项目 item	单芯电缆 single core		三芯电缆 3 cores	
	无铠装 Non-armored	有铠装 armoring	无铠装 Non-armored	有铠装 armoring
安装时的电缆最小弯曲半径 Minimum bending radius during installation	20D	15D	15D	12D
靠近连接盒和终端时电缆最小弯曲半径 Minimum bending radius when close to the connectors and terminal	15D	12D	12D	10D
注 Note：D 为电缆外径 D is the outer diameter of cable				

电缆装卸、运输、敷设要求：requirements during cable loading and unloading, transportation, laying:

1、确认收货前应对电缆外观进行检查，确认电缆本体、两端封帽无擦伤、撞伤、压伤等破损现象，如有异常应及时联系我司，否则视为交付产品的外观质量符合要求。Before accepting the goods, the appearance of the cable should be checked to ensure that the cable body and the sealing caps at both ends are free from any damage such as scratches, bumps, or crush. If any abnormality occurs, please contact us in time. Otherwise, the appearance quality of the delivered products shall be deemed to meet the requirements.

2、电缆吊装、运输、敷设过程要妥善保护，电缆本体及两端封帽要确保无破损，防止雨水或其它有害气体、液体进入电缆内部，导致电缆电性能受到影响。光电复合电缆两端预留长度的光缆单元不能被单独施加外力、不能发生大于 45° 的弯折，防止光纤折断，难以接续。Cable shall be properly protected while hoisting, transportation, and in laying process, the cable and caps at both ends have to remain in good condition to prevent rain or other harmful gases, liquids into the cable, to affect cable electrical performance. The optical fiber power composite cable units with the reserved length at both ends cannot be applied by external forces alone or bend more than 45 degrees to prevent the optical fiber from being broken and difficult to connect.

3、电缆长时间存放处应干燥，避免长时间暴露于露天或潮湿地方，低烟无卤阻燃电缆(WDZ)、柔性防火电缆等产品不得长期处于露天环境下，以免因长期暴晒导致电缆护套颜色变化及护套机械性能收到影响。Cable should be stored in dry place,avoid long-term exposure to open air or humid places, low-smoke halogen-free flame retardant cable (WDZ), flexible fireproof cable should not be in open environment for a long time, so as to avoid cable sheath color fading and mechanical properties been affected.

4、电缆敷设前，应核对电缆型号、规格、额定电压是否正确，检验合格后方可允许敷设。Before laying the cable, model/type, specification and rated voltage of the cable should be check and confirmed.

5、安装敷设过程中，如因天气原因暂停敷设，电缆要放置于安全、干燥处，防止受到外力撞击，如电缆封帽已去掉，电缆端头应做好保护措施，防止湿气或雨水进入电缆内部。During the installation and laying, if suspended due to weather reasons, the cable should be placed in a safe and dry place to prevent external impact, if the cable cap has been removed, the cable end should take protective measures to prevent moisture or rain from entering the cable.

6、敷设时遇有中间接头、终端接头以及弯道处，应根据实际情况适当留有余量，以作为如后期电缆发生故障后备用。During laying, when comes to joints, couplings, ends or bended area, some cables should be reserved in case of maintenance in the future

7、电缆敷设过程中，为了防止弯曲过度而损坏，电缆的弯曲半径应符合国标 GB/T31840-2015 标准规定规定：In the process of cable laying, in order to prevent excessive bending and damage, the bending radius of the cable should comply with the National Standard GB/T31840-2015

8、按国家标准要求，电缆敷设环境温度应不低于 0℃，寒冷季节敷设电缆时，敷设现场的温度低于 0℃时，应将电缆进行预先加热处理。敷设时间最好选择在环境温度较高时进行。According to the requirements of national standards, the ambient temperature of cable laying should not be lower than 0℃. When laying cables in cold season, when the temperature of the laying site is lower than 0℃, the cables should be pre-heated. It is recommend to laying in hot season

9、电缆施放时应按照电缆轴上箭头指示或图一所示电缆放线方向施放，切不可反方向滚动，以免因电缆松弛造成压线现象。The cable should be laid according to the direction of arrow shown on cable shaft or as shown in picture 1. Do not roll to the opposite direction to avoid compression caused by cable loosen.

10、电缆支架方式敷设时，支架设地点应选好，以敷设方便为准，一般应在电缆起止点附近为宜，应注意电缆轴的转动方向，电缆引出端应在轴的上方，见图二：When laying the cable support, the installation location should be selected, and the ease installation shall prevail. Generally, it should be near the starting and ending point of the cable. Attention should be paid to the rotation direction of the cable shaft, and the cable leading end should be above the shaft, as shown in picture 2:

图 一 picture 1

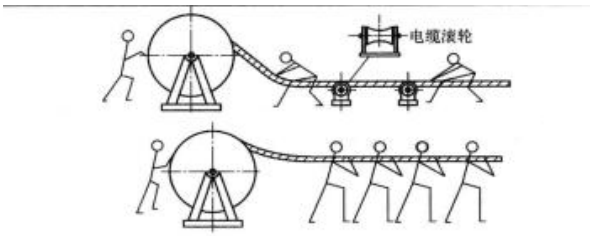
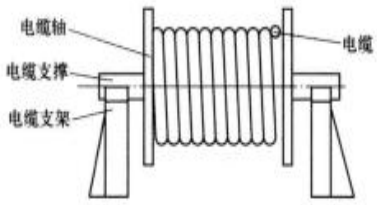


图 二 picture 2



11、电缆可采用图一所示人力拉引或图三机械牵引方法敷设（符合国标 GB50618-2016）。The cable can be laid by manual pulling as shown in picture 1 or mechanical pulling as shown in picture 3 (in accordance with the national standard GB50618-2016).

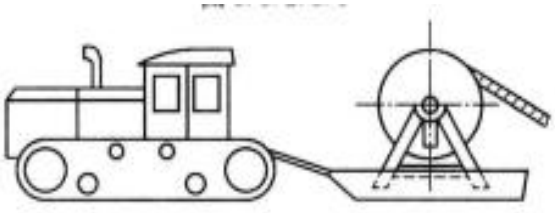


图 三 picture 3

二、额定电压 1.8/3kV 及以下铜（铝）芯交联聚乙烯绝缘电力电缆 Rated voltage 1.8/3kV and below cooper(aluminum) core crosslinked polyethylene insulated power cable

依据标准:reference standard

GB／T 12706.1 额定电压 1kV(U_m=1.2kV)到 35kV(U_m=40.5kV)挤包绝缘电力电缆及附件

第 1 部分：额定电压 1kV(U_m=1.2kV)和 3kV(U_m=3.6kV）电缆

Extruded insulated power cables and accessories for rated voltages 1kV(Um=1.2kV) to 35kV(Um=40.5kV) - Part 1: Cables for rated voltages 1kV(Um=1.2kV) and 3kV(Um=3.6kV)

适用范围：scope of applications

本产品适用于额定电压 1.8/3kV 输配电线路作配送电能之用。This product is suitable for the rated voltage 1.8/3kV transmission and distribution lines

使用特性：operating characteristics

额定电压 U_0/U 为 1.8/3kV rated voltage U_0/U 1.8/3kV

最高系统电压 U_m为 3.6kV maximum system voltage Um 3.6kV

电缆导体的最高允许工作温度为 90℃ The maximum allowed operating temperature of the conductor is 90℃

短路时（最长持续时间不超过 5s）电缆导体的最高温度不超过 250℃ The maximum short-circuit temperature of the conductor shall not exceed 250 ° C (5s maximum duration)

电缆敷设时环境温度应不低于 0℃ The ambient temperature should not be lower than 0 ° C when the cable is laid

型号规格：type and specification

型号 type		芯数 qty of cores	名称 Name
YJV	YJLV	1、2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated PVC sheathed power cable
YJY	YJLY	1、2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulation polyethylene sheathed power cable
YJV62	YJLV62	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal tape armoured PVC sheathed power cable

YJY63	YJLY63	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal with armoured polyethylene sheathed power cable
YJV22	YJLV22	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured PVC sheathed power cable
YJY23	YJLY23	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured polyethylene sheathed power cable
YJV32	YJLV32	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated fine wire armouring PVC sheathed power cable
YJY33	YJLY33	2、3、4、5、3+1、3+2、4+1	铜(铝)芯交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated fine wire armoured polyethylene sheathed power cable

备注：note

可根据用户需求，生产各类阻燃、低烟无卤、耐火及耐寒电力电缆；all kinds of flame-retardant, low-smoke halogen-free, fire-resistant and cold-resistant power cables are available according to requirements.

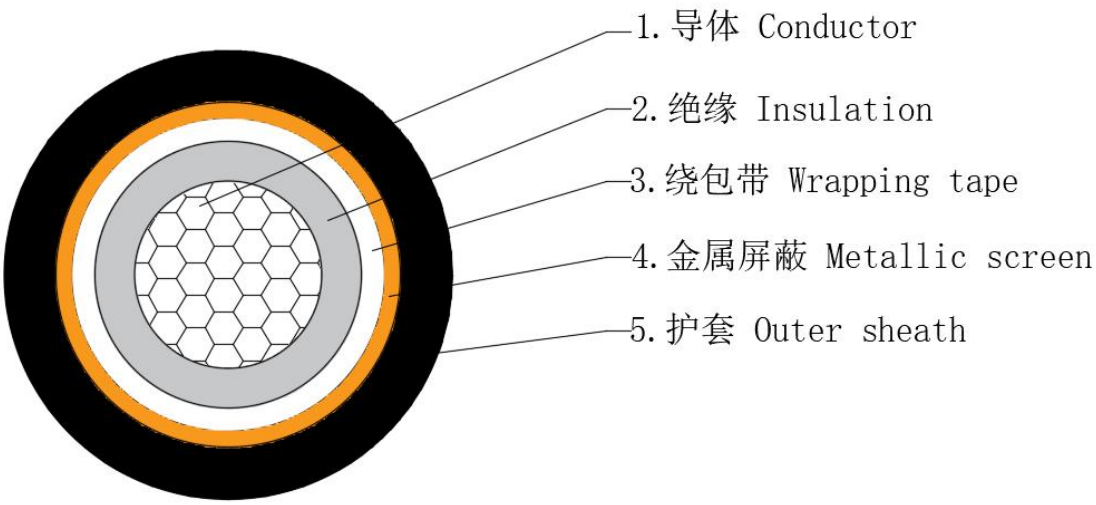
阻燃电缆可在型号中加阻燃特性符号，如 Z，ZC，ZB，ZA；Flame retardant cable model has characteristic symbol, such as Z, ZC, ZB, ZA;

低烟无卤可在型号中加无卤低烟特性符号，如 WD；Low-smoke halogen-free model has characteristic symbol, such as WD;

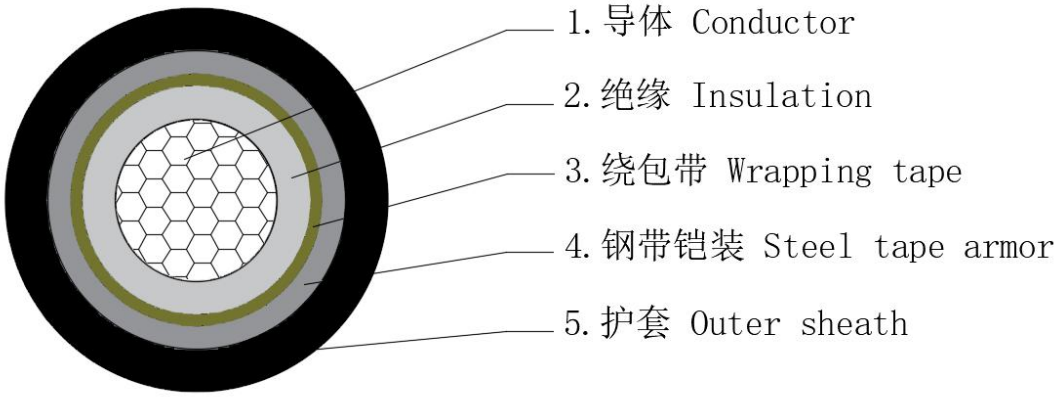
耐寒电缆可在型号中加耐寒特性符号，如 HD。Cold resistance cable model has characteristic symbol, such as HD.

耐火电缆可在型号中加耐火特性符号，如 N。Fire resistant cable model has characteristic symbol, such as N.

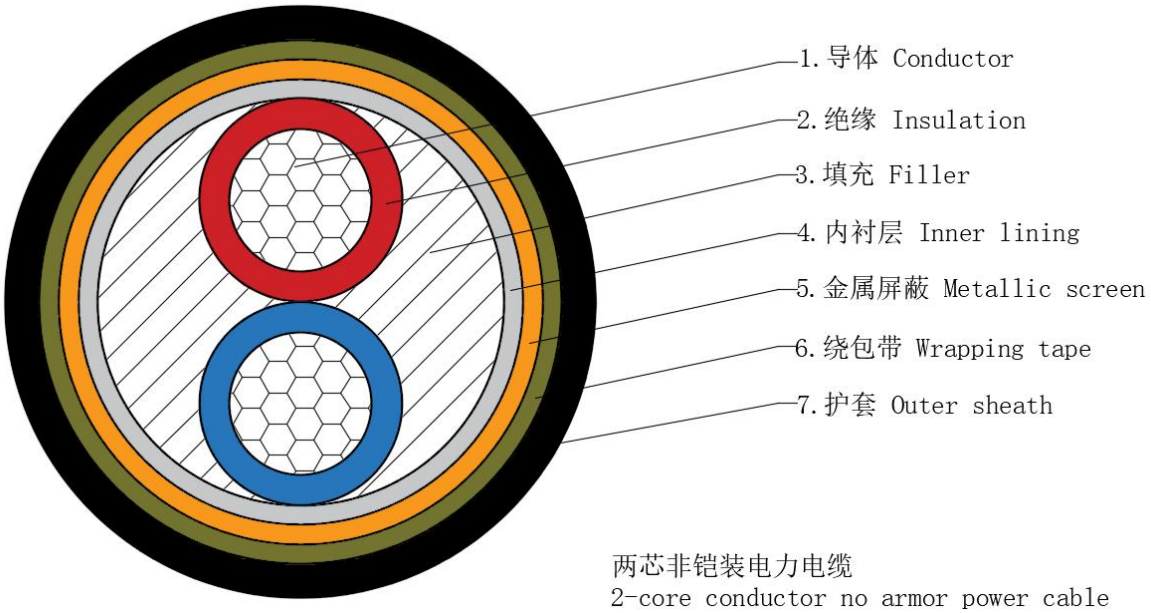
结构示意图：structural illustration



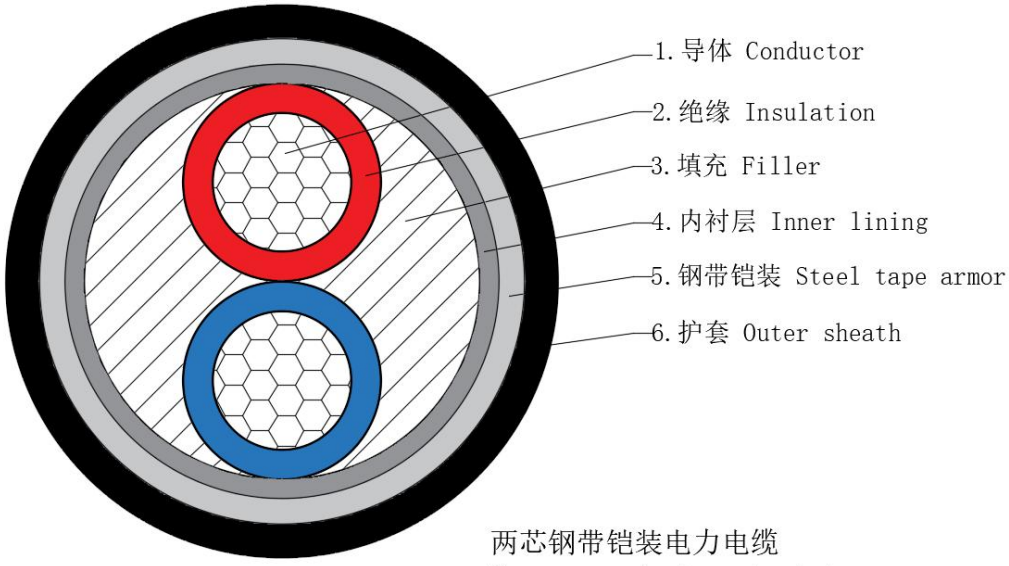
单芯非铠装电力电缆
1-core conductor no armor power cable



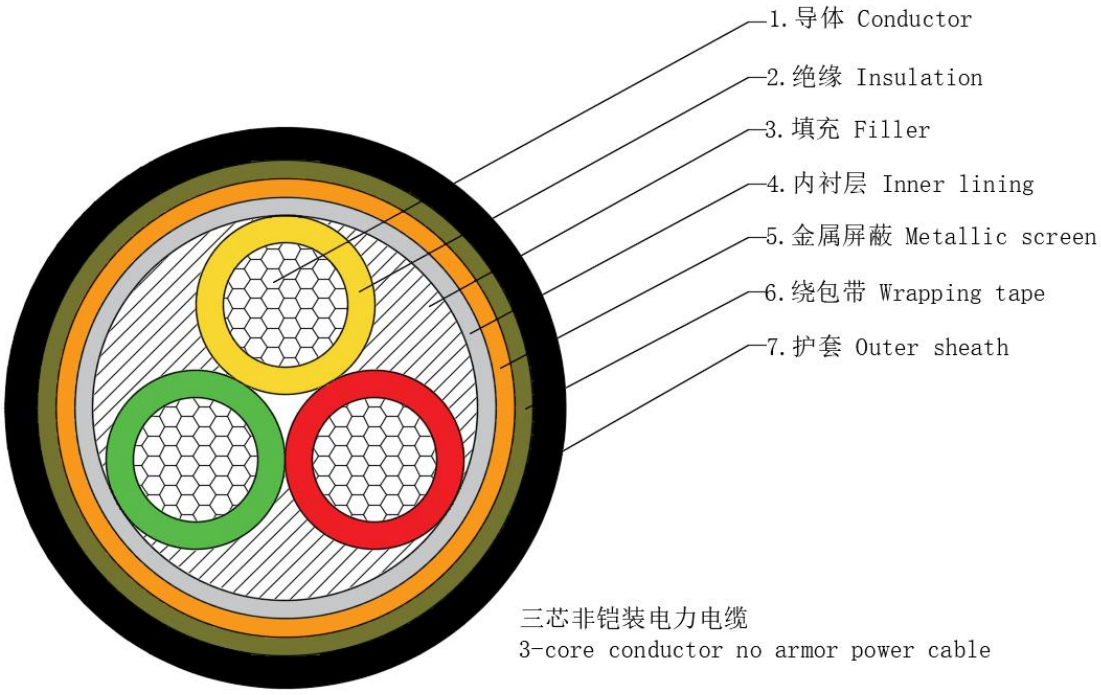
单芯钢带铠装电力电缆
1-core conductor steel tape armor power cable



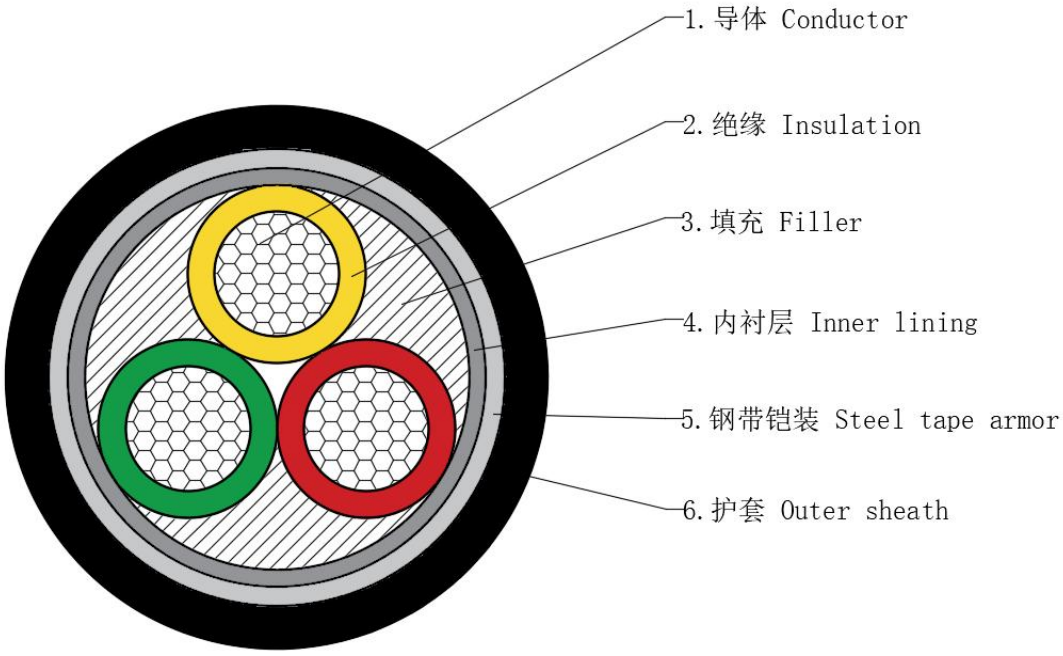
两芯非铠装电力电缆
2-core conductor no armor power cable



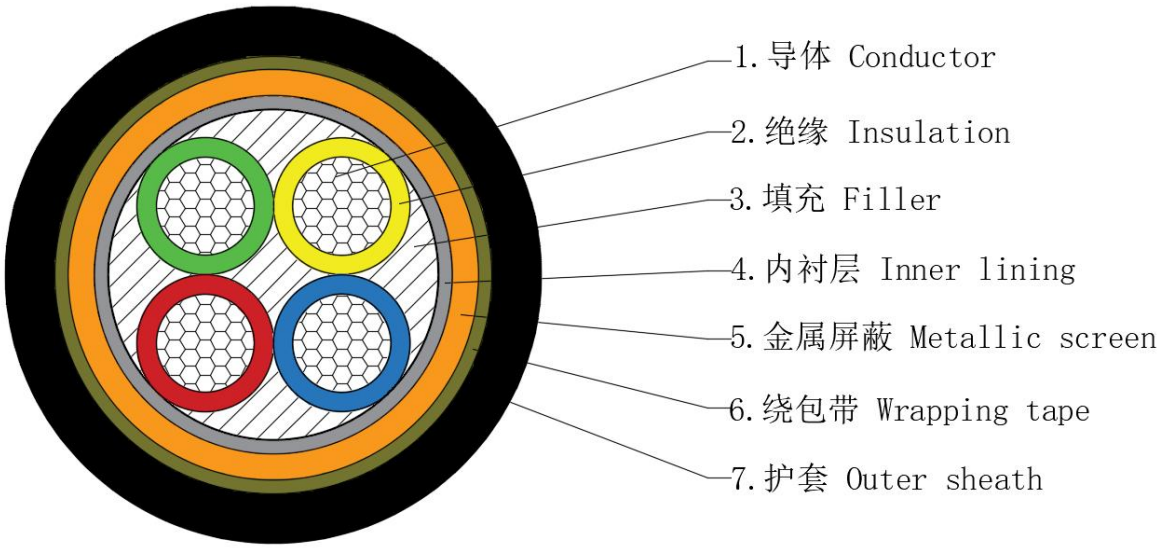
两芯钢带铠装电力电缆
2-core conductor steel tape armor power cable



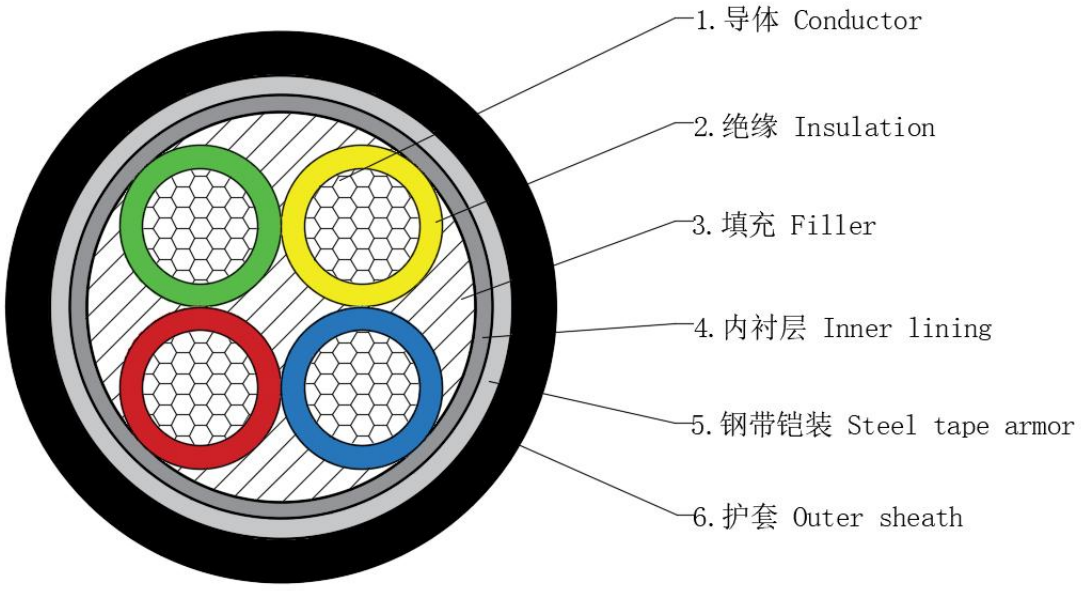
三芯非铠装电力电缆
3-core conductor no armor power cable



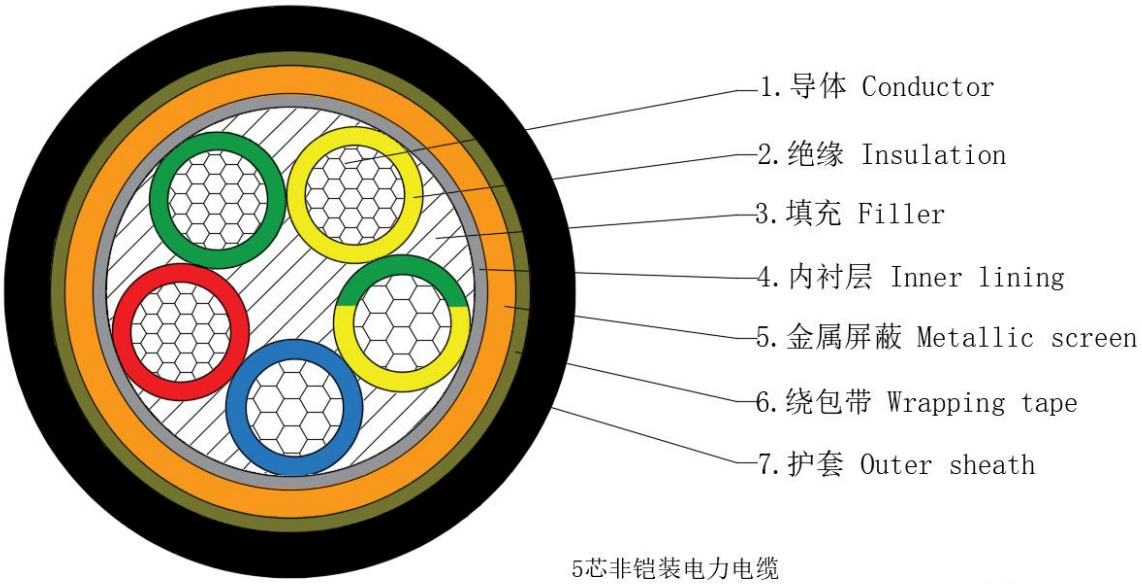
三芯钢带铠装电力电缆
3-core conductor steel tape armor power cable



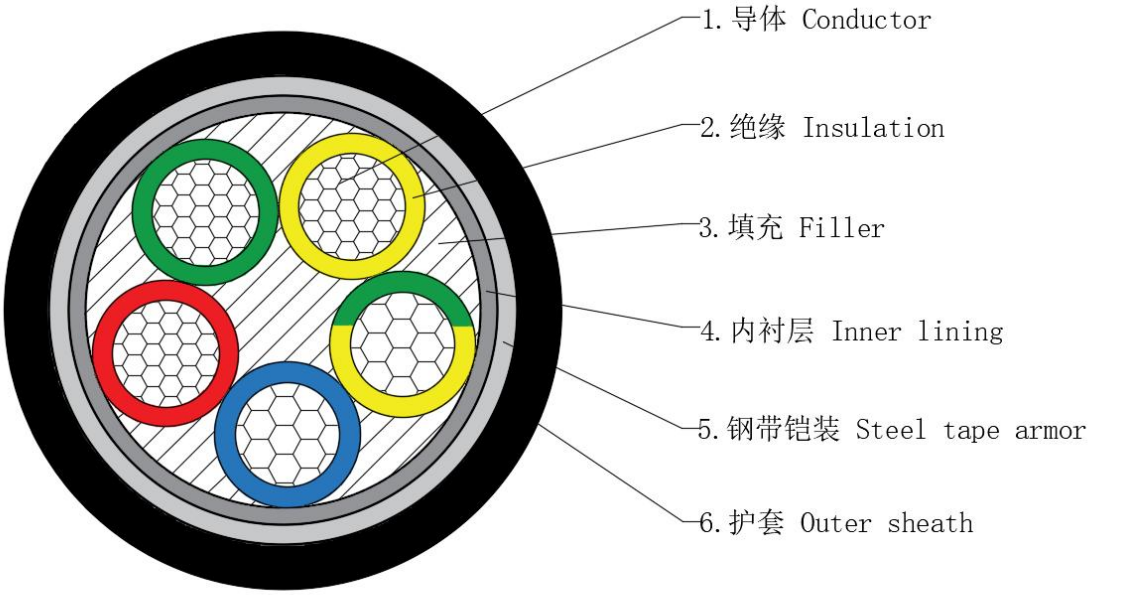
4芯非铠装电力电缆
4-core conductor no armor power cable



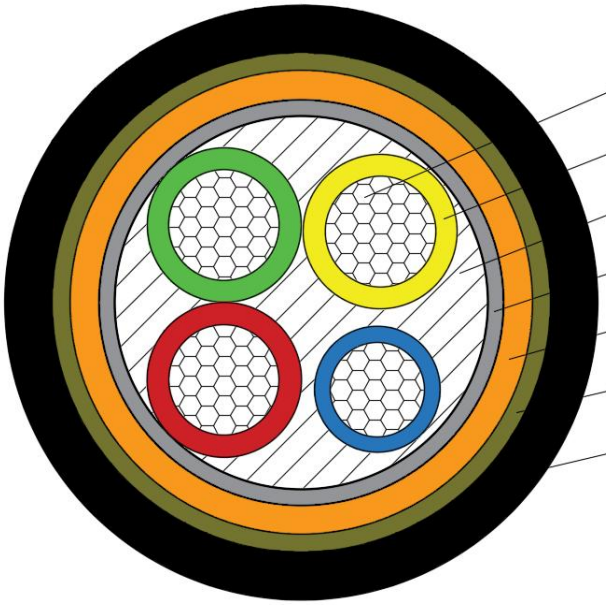
4芯钢带铠装电力电缆
4-core conductor steel tape armor power cable



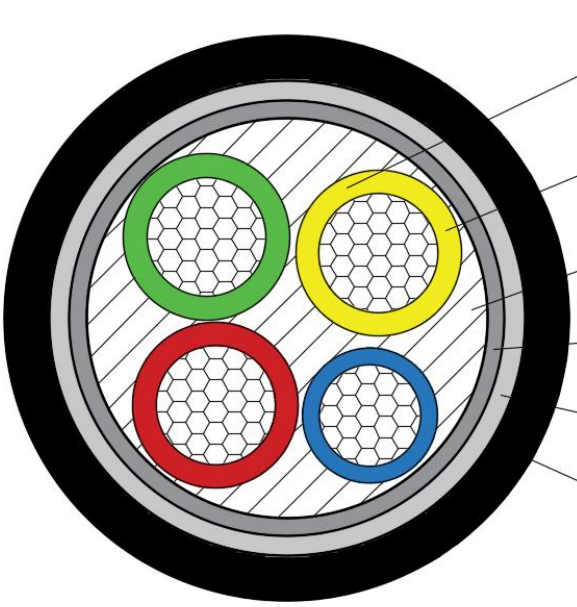
5芯非铠装电力电缆
5-core conductor no armor power cable



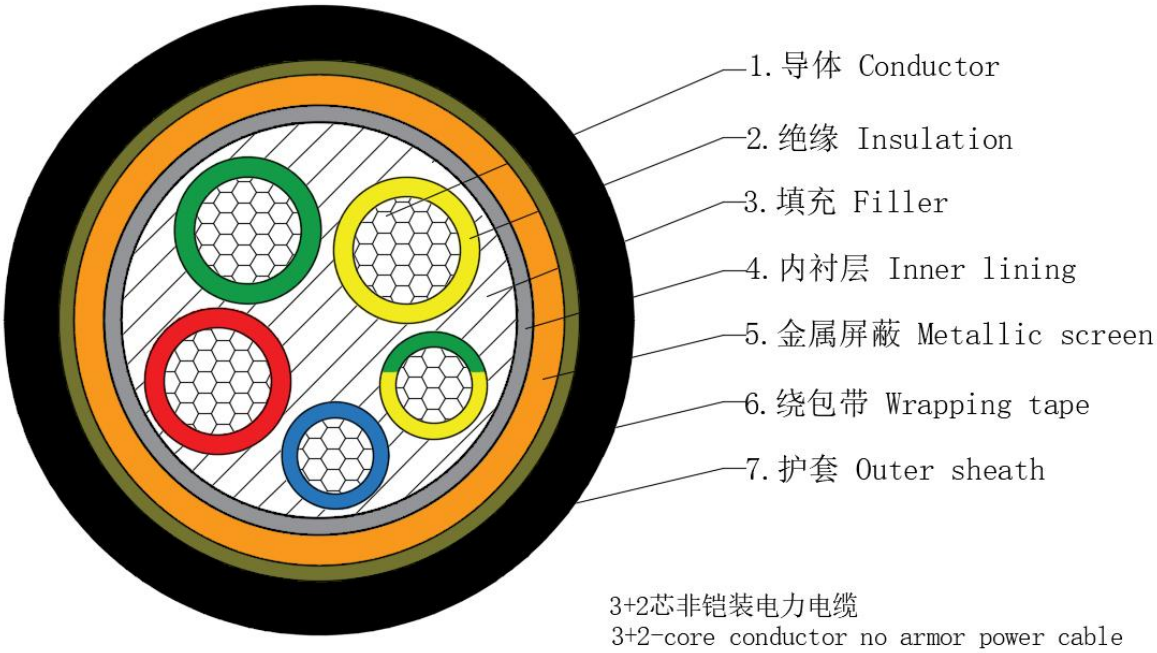
5芯钢带铠装电力电缆
5-core conductor steel tape armor power cable



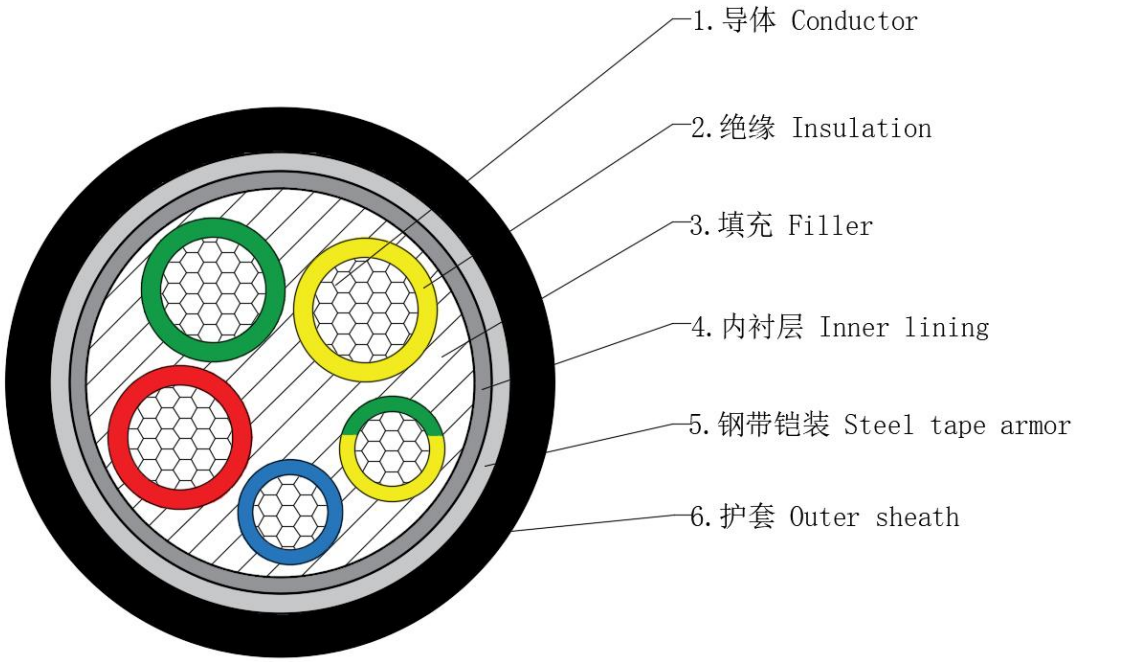
3+1芯非铠装电力电缆
3+1-core conductor no armor power cable



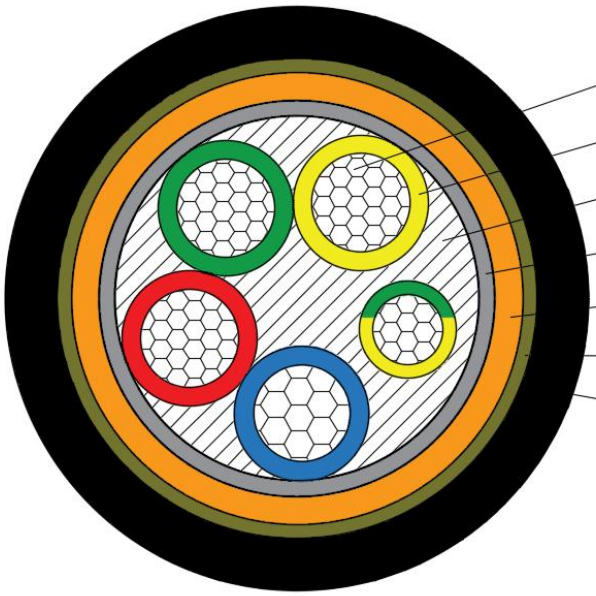
3+1芯钢带铠装电力电缆
3+1-core conductor steel tape armor power cable



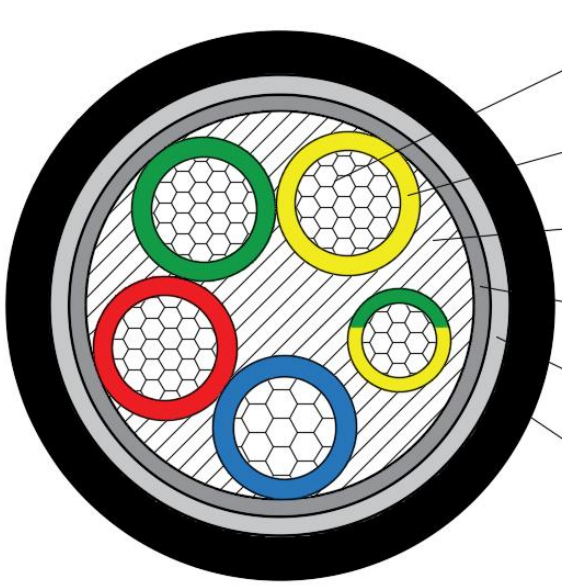
3+2芯非铠装电力电缆
3+2-core conductor no armor power cable



3+2芯钢带铠装电力电缆
3+2-core conductor steel tape armor power cable



4+1芯非铠装电力电缆
4+1-core conductor no armor power cable



4+1芯钢带铠装电力电缆
4+1-core conductor steel tape armor power cable

导体最大直流/交流电阻：Conductor maximum DC/AC resistance:

导体标称截面 Nominal cross section of conductor mm^2	20℃最大直流电阻 20℃ maximum DC resistance Ω/km		90℃最大交流电阻 90℃ maximum AC resistance Ω/km	
	铜 cooper	铝 aluminium	铜 cooper	铝 aluminium
10	1.83	3.08	2.33	3.9487
16	1.15	1.91	1.46	2.4487
25	0.727	1.2	0.927	1.5385
35	0.524	0.868	0.668	1.1130
50	0.387	0.641	0.493	0.8220
70	0.268	0.443	0.342	0.5681
95	0.193	0.32	0.246	0.4105
120	0.153	0.253	0.195	0.3247
150	0.124	0.206	0.158	0.2645
185	0.0991	0.164	0.1272	0.2108
240	0.0754	0.125	0.0972	0.1609
300	0.0601	0.100	0.0780	0.1290
400	0.047	0.0778	0.061	0.1010
500	0.0366	0.0605	0.0489	0.0789
630	0.0283	0.0469	0.0389	0.0619

绝缘标称厚度：Nominal insulation thickness

标称截面 nominal cross section **mm^2**	**1.5**	**2.5**	**4**	**6**	**10**	**16**	**25**	**35**	**50**
标称厚度 nominal thickness mm	/	/	/	/	2.0	2.0	2.0	2.0	2.0
标称截面 nominal cross section **mm^2**	**70**	**95**	**120**	**150**	**185**	**240**	**300**	**400**	**500**
标称厚度 nominal thickness mm	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2

交流耐压试验：AC voltage withstand test

成品电缆经受交流 50Hz、6500V/5min 的电压试验不击穿。

Finished cable tested by AC 50Hz,6500V for 5min without breakdown

产品结构尺寸（仅供参考）：Product structure size (for reference only)

导体外径：Outer diameter of conductor:

标称截面 nominal cross section mm^2	1.5	2.5	4	6	10	16	25	35	50
铜导体近似外径 cooper conductor approximate outer diameter mm	1.36	1.74	2.21	2.71	3.9	4.8	6.0	6.9	8.1
铝导体近似外径 Aluminum conductor approximate outer diameter mm	/	/	/	/	3.9	4.8	6.0	6.9	8.1
标称截面 nominal cross section mm^2	70	95	120	150	185	240	300	400	500
铜导体近似外径 cooper conductor approximate outer diameter mm	9.2	10.8	12.2	13.5	15.1	17.4	19.4	21.9	26.4
铝导体近似外径 Al conductor approximate outer diameter mm	9.7	11.4	12.1	13.3	15.0	17.2	19.2	21.8	26.4

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
1	10	1.4	11.3	219	163
1	16	1.4	12.3	290	196
1	25	1.4	13.3	379	237
1	35	1.4	14.3	484	276
1	50	1.5	15.6	610	338

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
1	70	1.5	17.1	818	420
1	95	1.6	19.0	1083	532
1	120	1.6	20.4	1313	622
1	150	1.7	22.0	1585	724
1	185	1.7	23.7	1951	856
1	240	1.8	26.0	2493	1060
1	300	1.9	28.2	3073	1267
1	400	2.0	30.9	3844	1561
1	500	2.1	35.6	4950	1932
2	10	1.8	20.0	496	376
2	16	1.8	22.0	653	460
2	25	1.8	24.0	849	562
2	35	1.8	26.0	1079	635
2	50	1.9	28.3	1352	780
2	70	2.0	31.5	1816	946
2	95	2.1	35.1	2390	1196
2	120	2.2	38.0	2907	1409
2	150	2.3	41.0	3494	1637
2	185	2.4	44.6	4303	1977
2	240	2.6	49.9	5525	2488
2	300	2.7	54.1	6773	2950
2	400	2.9	59.4	8459	3639
2	500	3.3	69.2	10988	4930
3	10	1.8	21.2	626	449
3	16	1.8	23.4	845	555
3	25	1.8	25.6	1119	683
3	35	1.9	27.9	1455	805
3	50	2.0	30.4	1837	992
3	70	2.1	33.9	2495	1229
3	95	2.2	37.7	3308	1570
3	120	2.3	40.9	4040	1862
3	150	2.4	44.1	4875	2191
3	185	2.5	48.5	6063	2655
3	240	2.7	53.6	7761	3306
3	300	2.8	58.1	9553	3948

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
3	400	3.1	64.0	11991	4913
3	500	3.3	74.1	15500	6414
4	10	1.8	23.3	779	541
4	16	1.8	25.7	1063	675
4	25	1.9	28.3	1433	849
4	35	2.0	30.9	1871	1004
4	50	2.1	33.8	2369	1244
4	70	2.2	37.6	3230	1552
4	95	2.3	41.8	4297	2009
4	120	2.4	45.4	5256	2385
4	150	2.6	49.7	6403	2836
4	185	2.7	54.0	7927	3400
4	240	2.9	59.7	10159	4244
4	300	3.0	64.7	12519	5072
4	400	3.3	71.2	15722	6318
4	500	3.6	82.7	20363	8247
5	10	1.8	25.6	940	640
5	16	1.8	28.3	1290	805
5	25	2.0	31.3	1760	1029
5	35	2.1	34.2	2303	1221
5	50	2.2	37.3	2920	1511
5	70	2.3	41.5	3990	1889
5	95	2.5	47.1	5366	2503
5	120	2.6	51.0	6561	2973
5	150	2.7	55.0	7925	3466
5	185	2.9	59.9	9843	4181
5	240	3.1	66.2	12619	5219
5	300	3.3	71.9	15588	6275
5	400	3.6	79.2	19573	7814
5	500	3.9	91.9	25348	10202
3+1	10/6	1.8	22.7	735	/
3+1	16/10	1.8	25.1	1005	650
3+1	25/16	1.8	27.6	1351	800
3+1	35/16	1.9	29.5	1678	934
3+1	50/25	2.0	32.3	2150	1141

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV	YJLV
3+1	70/35	2.1	35.8	2908	1453
3+1	95/50	2.3	39.9	3853	1856
3+1	120/70	2.4	43.5	4801	2250
3+1	150/70	2.5	46.8	5650	2597
3+1	185/95	2.6	51.1	7075	3154
3+1	240/120	2.8	56.3	9003	3914
3+1	300/150	2.9	60.9	11060	4677
4+1	10/6	1.8	25.0	895	/
4+1	16/10	1.8	27.7	1232	777
4+1	25/16	1.9	30.6	1674	974
4+1	35/16	2.0	32.9	2107	1148
4+1	50/25	2.1	36.0	2697	1404
4+1	70/35	2.3	40.1	3680	1811
4+1	95/50	2.4	44.6	4869	2301
4+1	120/70	2.6	49.3	6100	2837
4+1	150/70	2.7	52.5	7187	3255
4+1	150/95	2.7	53.5	7475	3386
4+1	185/95	2.8	57.3	8984	3947
4+1	240/120	3.0	63.1	11455	4908
4+1	300/150	3.2	68.6	14117	5900
3+2	10/6	1.8	24.2	852	/
3+2	16/10	1.8	27.0	1176	759
3+2	25/16	1.9	29.8	1605	956
3+2	35/16	2.0	31.6	1931	1088
3+2	50/25	2.1	34.7	2496	1338
3+2	70/35	2.2	38.3	3365	1695
3+2	95/50	2.3	42.5	4420	2137
3+2	120/70	2.5	47.3	5637	2673
3+2	150/70	2.6	49.7	6450	2985
3+2	185/95	2.7	54.5	8152	3661
3+2	240/120	2.9	59.9	10325	4524
3+2	300/150	3.1	65.0	12687	5425

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
1	10	1.4	13.1	279	215
1	16	1.4	14.1	354	252
1	25	1.4	15.1	448	294
1	35	1.5	16.3	565	345
1	50	1.5	17.4	689	399
1	70	1.6	19.1	913	494
1	95	1.6	20.8	1178	603
1	120	1.7	22.4	1424	706
1	150	1.7	23.8	1694	809
1	185	1.8	25.6	2079	956
1	240	1.8	27.8	2621	1157
1	300	1.9	30.0	3212	1372
1	400	2.0	32.7	3996	1670
1	500	2.2	39.7	5532	2515
2	10	1.8	21.8	607	478
2	16	1.8	23.8	775	569
2	25	1.8	25.8	982	671
2	35	1.8	27.8	1222	781
2	50	1.9	30.2	1508	924
2	70	2.0	33.4	1989	1148
2	95	2.2	39.3	2989	1830
2	120	2.3	42.2	3554	2109
2	150	2.4	45.8	4190	2408
2	185	2.5	49.4	5058	2800
2	240	2.7	54.8	6368	3421
2	300	2.8	58.9	7686	3984
2	400	3.0	64.3	9461	4783
2	500	3.2	73.7	12114	6056
3	10	1.8	23.1	745	554
3	16	1.8	25.3	974	668
3	25	1.8	27.4	1260	797
3	35	1.9	29.8	1608	950
3	50	2.0	32.3	2005	1133
3	70	2.2	38.0	3074	1814
3	95	2.3	41.9	3950	2217
3	120	2.4	45.1	4734	2573
3	150	2.5	48.9	5621	2955

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
3	185	2.6	53.4	6882	3502
3	240	2.8	58.5	8666	4254
3	300	2.9	63.0	10532	4990
3	400	3.2	68.9	13069	6063
3	500	3.4	7685	16772	7685
4	10	1.8	25.2	908	655
4	16	1.8	27.6	1204	798
4	25	1.9	30.2	1588	972
4	35	2.0	32.8	2041	1164
4	50	2.2	37.9	2946	1784
4	70	2.3	41.8	3870	2193
4	95	2.4	46.7	5007	2699
4	120	2.5	50.2	6024	3145
4	150	2.7	54.6	7243	3690
4	185	2.8	58.9	8838	4333
4	240	3.0	64.5	11164	5285
4	300	3.2	69.7	13637	6251
4	400	3.4	76.2	16922	7586
4	500	3.7	88.8	22620	10503
5	10	1.8	27.4	1080	765
5	16	1.9	30.3	1458	951
5	25	2.0	33.2	1932	1162
5	35	2.2	38.4	2887	1790
5	50	2.3	41.5	3556	2104
5	70	2.4	46.3	4695	2601
5	95	2.6	51.9	6161	3276
5	120	2.7	55.9	7422	3824
5	150	2.9	60.0	8877	4438
5	185	3.0	64.8	10852	5222
5	240	3.2	71.1	13734	6387
5	300	3.4	76.8	16799	7569
5	400	3.7	85.3	21709	10040
5	500	4.0	98.1	27854	12708
3+1	10/6	1.8	24.5	841	/
3+1	16/10	1.8	27.0	1118	762
3+1	25/16	1.9	29.6	1481	931
3+1	35/16	2.0	31.6	1821	1076

芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
				YJV62/ YJV22	YJLV62/ YJLV22
3+1	50/25	2.1	34.4	2300	1292
3+1	70/35	2.2	40.0	3470	2014
3+1	95/50	2.4	44.7	4471	2473
3+1	120/70	2.5	48.3	5463	2912
3+1	150/70	2.6	51.7	6365	3313
3+1	185/95	2.7	56.0	7842	3921
3+1	240/120	2.9	61.2	9838	4749
3+1	300/150	3.0	65.8	11952	5570
4+1	10/6	1.8	26.9	1013	/
4+1	16/10	1.9	29.8	1370	915
4+1	25/16	2.0	32.7	1822	1122
4+1	35/16	2.1	35.0	2269	1309
4+1	50/25	2.2	40.2	3270	1976
4+1	70/35	2.4	44.9	4311	2442
4+1	95/50	2.5	49.4	5563	2995
4+1	120/70	2.7	54.2	6857	3594
4+1	150/70	2.8	57.4	7997	4064
4+1	150/95	2.8	58.3	8280	4191
4+1	185/95	2.9	62.2	9853	4816
4+1	240/120	3.1	68.0	12404	5857
4+1	300/150	3.3	73.5	15137	6921
3+2	10/6	1.8	26.3	958	/
3+2	16/10	1.9	29.2	1297	880
3+2	25/16	2.0	32.1	1730	1082
3+2	35/16	2.0	33.7	2053	1211
3+2	50/25	2.2	39.1	3032	1865
3+2	70/35	2.3	42.8	3937	2267
3+2	95/50	2.5	47.7	5059	2777
3+2	120/70	2.6	52.3	6308	3345
3+2	150/70	2.7	54.8	7163	3698
3+2	185/95	2.8	59.5	8907	4415
3+2	240/120	3.0	65.0	11136	5335
3+2	300/150	3.2	70.1	13546	6284

载流量(包含修正系数)：Current carrying capacity (including correction factor)

铜芯电力电缆载流量（A）cooper core power cable Carrying capacity (A)

标称截面 nominal cross section mm²	非铠型电缆 non-armored						钢带铠装型电缆 Steel tape armoured type cable					
	单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		二芯 2 cores		三-五芯 3-5 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		二芯 2 cores		三-五芯 3-5 cores	
	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
10	80/105	115/100	90	96	75	80	80/105	115/100	78	96	65	80
16	105/135	150/130	114	126	95	105	105/135	150/130	108	132	90	110
25	135/165	190/160	144	162	120	135	135/165	190/160	138	168	115	140
35	165/205	230/195	174	198	145	165	165/205	230/195	174	198	145	165
50	200/245	275/230	210	234	175	195	200/245	275/230	204	234	170	195
70	250/305	335/280	258	288	215	240	250/305	335/280	252	288	210	240
95	305/375	400/335	318	348	265	290	305/375	400/335	318	342	265	285
120	355/435	465/385	366	390	305	325	355/435	465/385	360	390	300	325
150	405/495	525/430	414	444	345	370	405/495	525/430	408	444	340	370
185	465/575	600/485	480	498	400	415	465/575	600/485	468	498	390	415
240	550/675	695/565	564	582	470	485	550/675	695/565	546	576	455	480
300	635/785	785/640	642	648	535	540	635/785	785/640	624	654	520	545
400	745/910	895/735	744	744	620	620	745/910	895/735	720	738	600	615
500	855/1080	1010/840	852	852	710	710	855/1080	1010/840	822	834	685	695
630	980/1240	1140/950	972	972	810	810	980/1240	1140/950	936	942	780	785

铝芯电力电缆载流量（A）Aluminum core power cable Carrying capacity (A)

标称截面 nominal cross section mm²	非铠型电缆 non-armored						钢带铠装型电缆 Steel tape armoured type cable					
	单芯 single core		二芯 2 cores		三-五芯 3-5 cores		单芯 single core		二芯 2 cores		三-五芯 3-5 cores	
	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
10	55	85	70	78	58	65	51	76	54	84	45	70
16	80	110	88	102	73	85	74	92	78	102	65	85
25	105	145	112	126	93	105	97	113	102	126	85	105
35	130	175	132	150	110	125	125	135	132	150	110	125
50	155	210	162	180	135	150	148	162	156	180	130	150
70	195	260	204	222	170	185	188	200	198	222	165	185
95	235	315	246	270	205	225	228	238	240	264	200	220
120	275	360	282	306	235	255	268	275	282	306	235	255
150	315	410	324	342	270	285	302	308	318	342	265	285

标称截面 nominal cross section mm²	非铠型电缆 non-armored						钢带铠装型电缆 Steel tape armoured type cable					
	单芯 single core		二芯 2 cores		三-五芯 3-5 cores		单芯 single core		二芯 2 cores		三-五芯 3-5 cores	
	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
185	360	465	372	390	310	325	348	351	366	390	305	325
240	430	540	438	456	365	380	405	405	426	450	355	375
300	495	615	504	510	420	425	467	459	492	510	410	425
400	585	705	594	588	495	490	542	524	570	582	475	485
500	685	810	702	690	585	575	627	605	660	672	550	560
630	800	920	834	822	695	685	730	702	768	780	640	650

注 note：空气中环境温度 40℃；土壤中环境温度 25℃、热阻系数 1.0、埋地深度 700mm
air temperature 40℃; soil temperature 25℃, thermal resistance coefficient 1.0, and the buried depth 700mm

环境温度不同时的载流量修正系数表 Table of correction coefficient of carrying current at different ambient temperature

导体工作温度 Conductor operating temperature ℃	空气中环境温度℃ Ambient temperature in the air							
	20	25	30	35	40	45	50	55
90	1.23	1.17	1.12	1.06	1.00	0.94	0.87	0.81

导体工作温度 Conductor operating temperature ℃	土壤中环境温度℃ Ambient temperature in soil							
	10	15	20	25	30	35	40	
90	1.11	1.07	1.04	1.00	0.96	0.92	0.88	

不同土壤热阻系数的载流量修正系数 Current-carrying correction coefficients of different soil thermal resistance coefficients

热阻系数 thermal resistivity ρ_w=（K*m/W）	1.0	1.2	1.5	2.0	2.5
校正系数 correction coefficient	1	0.93	0.85	0.75	0.67

电缆安装时的最小弯曲半径：Minimum bending radius during cable installation:

项目 Item	单芯电缆 single core cable		三芯电缆 3 cores cable	
	无铠装 non-armored	有铠装armoring	无铠装 non-armored	有铠装armoring
安装时的电缆最小弯曲半径 Minimum bending radius during installation	20D	15D	15D	12D
靠近连接盒和终端时电缆最小弯曲半径 Minimum bending radius close to the connectors and terminal	15D	12D	12D	10D
注 note：D 为电缆外径 D is the outer diameter of the cable				

电缆装卸、运输、敷设要求：requirements during cable loading and unloading, transportation, laying:

1、确认收货前应对电缆外观进行检查，确认电缆本体、两端封帽无擦伤、撞伤、压伤等破损现象，如有异常应及时联系我司，否则视为交付产品的外观质量符合要求。Before accepting the goods, the appearance of the cable should be checked to ensure that the cable body and the sealing caps at both ends are free from any damage such as scratches, bumps, or crush. If any abnormality occurs, please contact us in time. Otherwise, the appearance quality of the delivered products shall be deemed to meet the requirements.

2、电缆吊装、运输、敷设过程要妥善保护，电缆本体及两端封帽要确保无破损，防止雨水或其它有害气体、液体进入电缆内部，导致电缆电性能受到影响。光电复合电缆两端预留长度的光缆单元不能被单独施加外力、不能发生大于 45° 的弯折，防止光纤折断，难以接续。Cable shall be properly protected while hoisting, transportation, and in laying process, the cable and caps at both ends have to remain in good condition to prevent rain or other harmful gases, liquids into the cable, to affect cable electrical performance. The optical fiber power composite cable units with the reserved length at both ends cannot be applied by external forces alone or bend more than 45 degrees to prevent the optical fiber from being broken and difficult to connect.

3、电缆长时间存放处应干燥，避免长时间暴露于露天或潮湿地方，低烟无卤阻燃电缆(WDZ)、柔性防火电缆等产品不得长期处于露天环境下，以免因长期暴晒导致电缆护套颜色变化及护套机械性能收到影响。Cable should be stored in dry place,avoid long-term exposure to open air or humid places, low-smoke halogen-free flame retardant cable (WDZ), flexible fireproof cable should not be in open environment for a long time, so as to avoid cable sheath color fading and mechanical properties been affected.

4、电缆敷设前，应核对电缆型号、规格、额定电压是否正确，检验合格后方可允许敷设。Before laying the cable, model/type, specification and rated voltage of the cable should be check and confirmed.

5、安装敷设过程中，如因天气原因暂停敷设，电缆要放置于安全、干燥处，防止受到外力撞击，如电缆封帽已去掉，电缆端头应做好保护措施，防止湿气或雨水进入电缆内部。During the installation and laying, if suspended due to weather reasons, the cable should be placed in a safe and dry place to prevent external impact, if the cable cap has been removed, the cable end should take protective measures to prevent moisture or rain from entering the cable.

6、敷设时遇有中间接头、终端接头以及弯道处，应根据实际情况适当留有余量，以作为如后期电缆发生故障后备用。During laying, when comes to joints, couplings, ends or bended area, some cables should be reserved in case of maintenance in the future

7、电缆敷设过程中，为了防止弯曲过度而损坏，电缆的弯曲半径应符合国标 GB/T31840-2015 标准规定规定：In the process of cable laying, in order to prevent excessive bending and

damage, the bending radius of the cable should comply with the National Standard GB/T31840-2015

8、按国家标准要求，电缆敷设环境温度应不低于 0℃，寒冷季节敷设电缆时，敷设现场的温度低于 0℃时，应将电缆进行预先加热处理。敷设时间最好选择在环境温度较高时进行。According to the requirements of national standards, the ambient temperature of cable laying should not be lower than 0℃. When laying cables in cold season, when the temperature of the laying site is lower than 0℃, the cables should be pre-heated. It is recommend to laying in hot season

9、电缆施放时应按照电缆轴上箭头指示或图一所示电缆放线方向施放，切不可反方向滚动，以免因电缆松弛造成压线现象。The cable should be laid according to the direction of arrow shown on cable shaft or as shown in picture 1. Do not roll to the opposite direction to avoid compression caused by cable loosen.

10、电缆支架方式敷设时，支架设地点应选好，以敷设方便为准，一般应在电缆起止点附近为宜，应注意电缆轴的转动方向，电缆引出端应在轴的上方，见图二：When laying the cable support, the installation location should be selected, and the ease installation shall prevail. Generally, it should be near the starting and ending point of the cable. Attention should be paid to the rotation direction of the cable shaft, and the cable leading end should be above the shaft, as shown in picture 2:

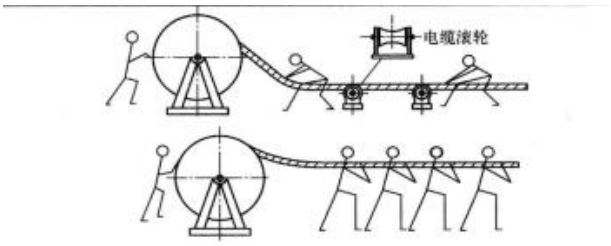


图 一 Figure 1

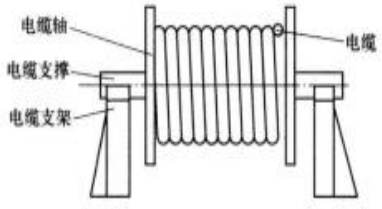


图 二 Figure 2

11、电缆可采用图一所示人力拉引或图三机械牵引方法敷设（符合国标 GB50618-2016）。The cable can be laid by manual pulling as shown in Figure 1 or mechanical pulling as shown in Figure 3 (in accordance with the national standard GB50618-2016).

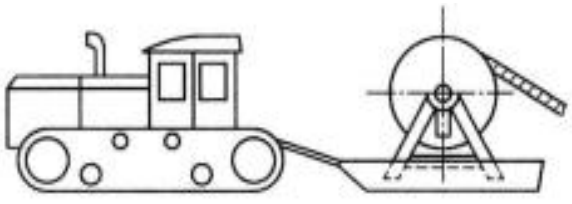


图 三 Figure 3

三、额定电压 6-35kV 铜（铝）芯交联聚乙烯绝缘电力电缆 Rated voltage 6-35kV copper (aluminum) core crosslinked polyethylene insulated power cable

依据标准:Standard

GB／T 12706.2 额定电压 1kV(U_m=1.2kV)到 35kV(U_m=40.5kV)挤包绝缘电力电缆及附件
第 2 部分：额定电压 6kV(U_m=7.2kV)和 30kV(U_m=36kV）电缆
Rated voltage 1kV(Um=1.2kV) to 35kV(Um=40.5kV) extruded insulated power cables and accessories
Part 2: Cables with rated voltages of 6kV(Um=7.2kV) and 30kV(Um=36kV)

GB／T 12706.3 额定电压 1kV(U_m=1.2kV)到 35kV(U_m=40.5kV)挤包绝缘电力电缆及附件
第 3 部分：额定电压 35kV(U_m=40.5kV)电缆
Rated voltage 1kV(Um=1.2kV) to 35kV(Um=40.5kV) extruded insulated power cables and accessories
Part 3: Cables with a rated voltage of 35kV(Um=40.5kV)

适用范围：scope of applications

本产品适用于额定电压 6-35kV 电力输电配电，交联聚乙烯电力电缆具有优良的电性能，良好的耐热性能，且具有重量轻、结构简单、使用方面，耐化学腐蚀和敷设不受落差限制等优点。

This product is suitable for rated voltage 6-35kV power transmission and distribution, crosslinked polyethylene power cable has excellent electrical performance, good heat resistance, and has the advantages of light weight, simple structure, chemical corrosion resistance and laying is not limited by the drop.

使用特性：operating characteristics

额定电压 U_0/U 为 3.6/6kV、6/6kV、6/10kV、8.7/15kV、12/20kV、18/20kV、18/30kV、26/35kV
The rated voltage U0/U is 3.6/6kV, 6/6kV, 6/10kV, 8.7/15kV, 12/20kV, 18/20kV, 18/30kV, 26/35kV
最高系统电压 U_m为 7.2kV、7.2kV、12kV、17.5kV、24kV、24kV、36kV、42kV
The maximum system voltage Um is 7.2kV, 7.2kV, 12kV, 17.5kV, 24kV, 24kV, 36kV, 42kV
电缆导体的最高允许工作温度为 90℃
The maximum allowable operating temperature of the conductor is 90℃
短路时（最长持续时间不超过 5s）电缆导体的最高温度不超过 250℃
The maximum short-circuit temperature of the conductor shall not exceed 250℃ (5s maximum duration)
电缆敷设时环境温度应不低于 0℃
The ambient temperature should not be lower than 0 ℃ when the cable is laid

型号规格：type and specification

型号 Type		芯数 Nos. of cores	名称 Name
YJV	YJLV	1、3	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated PVC sheathed power cable
YJY	YJLY	1、3	铜(铝)芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulation polyethylene sheathed power cable
YJV62	YJLV62	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal tape armoured pvc sheathed power cable
YJY63	YJLY63	1	铜(铝)芯交联聚乙烯绝缘非磁性金属带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic metal armoured polyethylene sheathed power cable
YJV22	YJLV22	3	铜(铝)芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured PVC sheathed power cable
YJY23	YJLY23	3	铜(铝)芯交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel tape armoured polyethylene sheathed power cable
YJV72	YJLV72	1	铜(铝)芯交联聚乙烯绝缘非磁性金属丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic wire armored PVC sheathed power cable
YJY73	YJLY73	1	铜(铝)芯交联聚乙烯绝缘非磁性金属丝铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated non-magnetic wire armored polyethylene sheathed power cable
YJV32	YJLV32	3	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel wire armouring PVC sheathed power cable
YJY33	YJLY33	3	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyethylene insulated steel wire armouring polyethylene sheathed power cable

备注：note

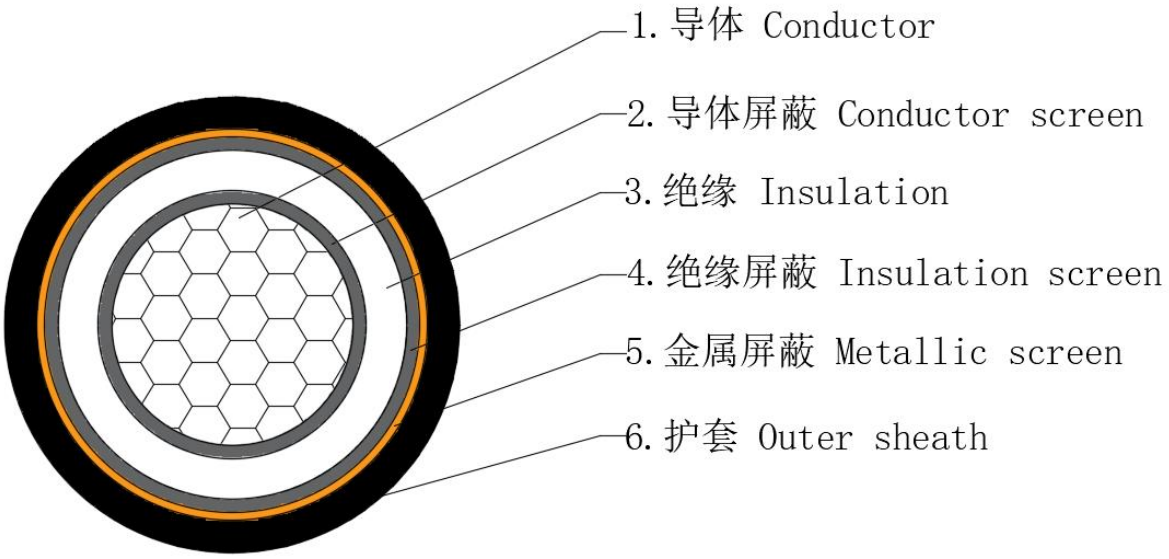
可根据用户需求，生产各类阻燃、低烟无卤、耐寒电力电缆；all kinds of flame-retardant, low-smoke halogen-free, cold-resistant power cables are available according to requirements.

阻燃电缆可在型号中加阻燃特性符号，如 Z，ZC，ZB，ZA；Flame retardant cable model has characteristic symbol, such as Z, ZC, ZB, ZA;

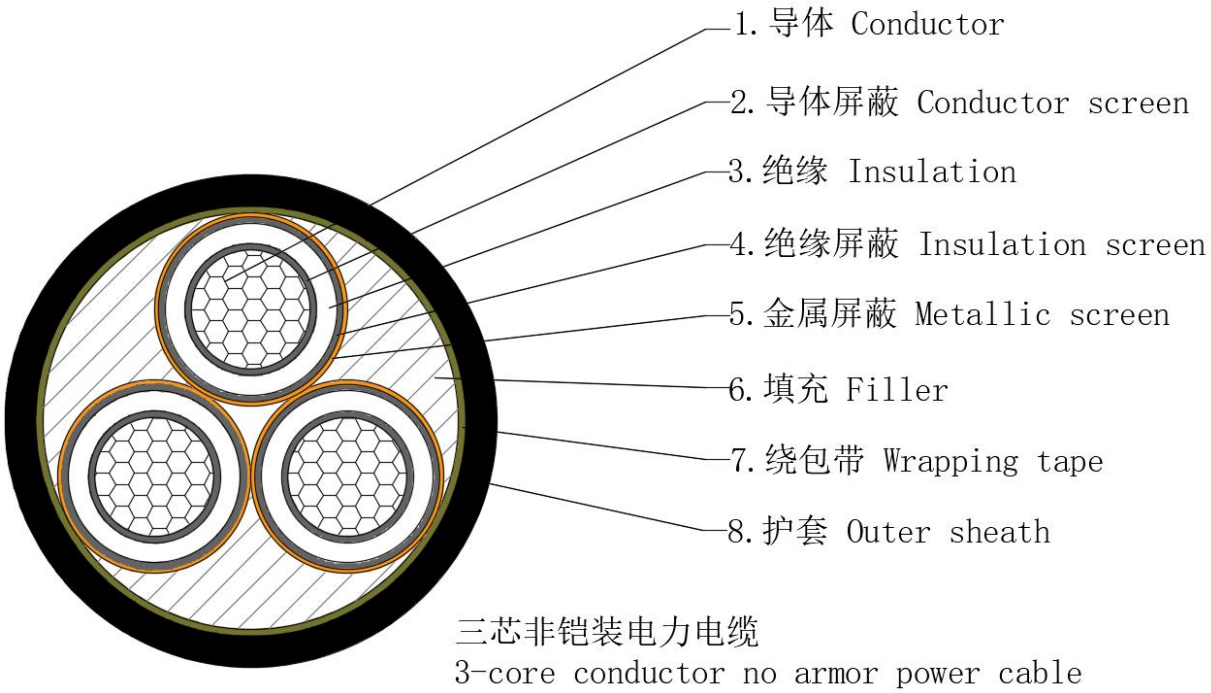
低烟无卤可在型号中加无卤低烟特性符号，如 WD；Low-smoke halogen-free model has characteristic symbol, such as WD;

耐寒电缆可在型号中加耐寒特性符号，如 HD。Cold resistance cable model has characteristic symbol, such as HD.

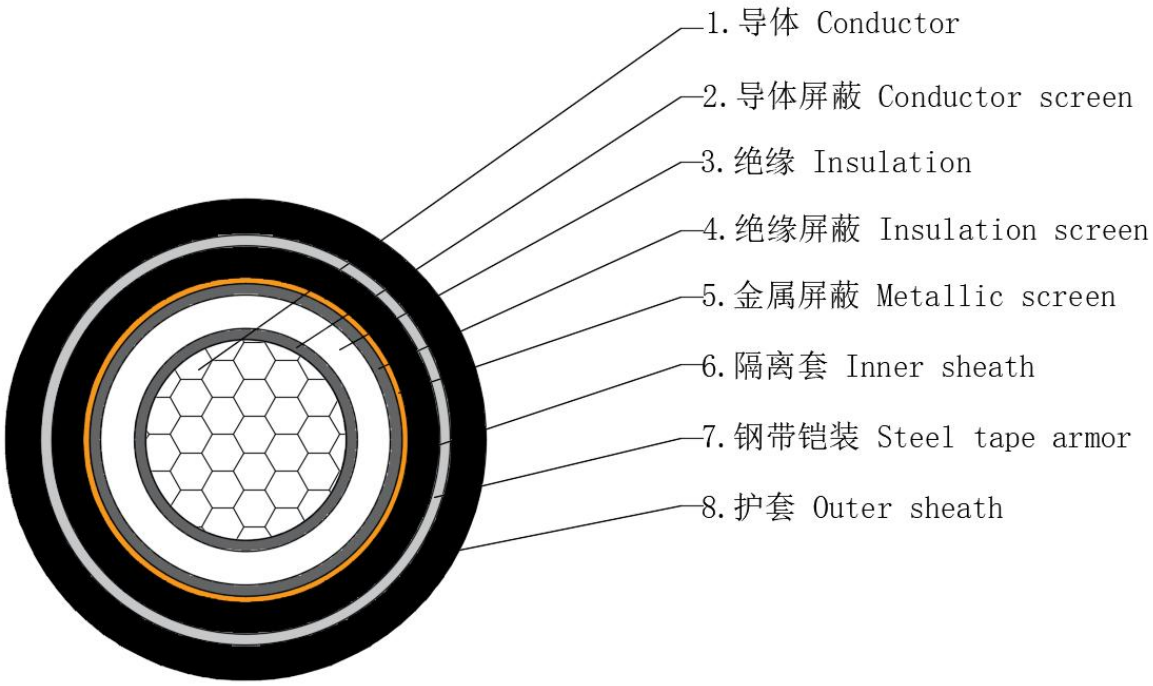
结构示意图：structural illustration



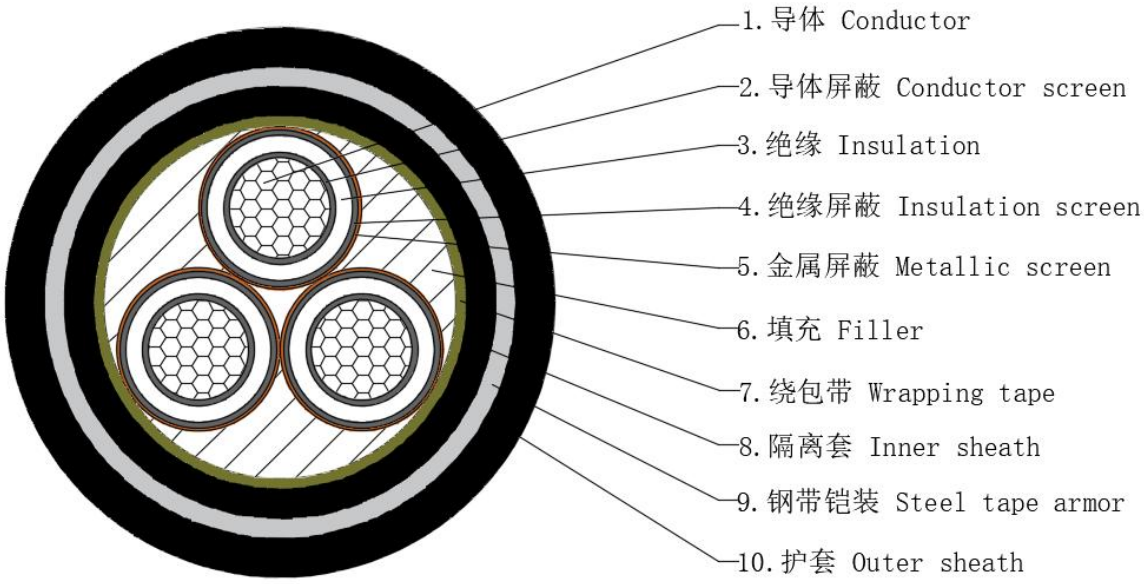
单芯非铠装电力电缆
1-core conductor no armor power cable



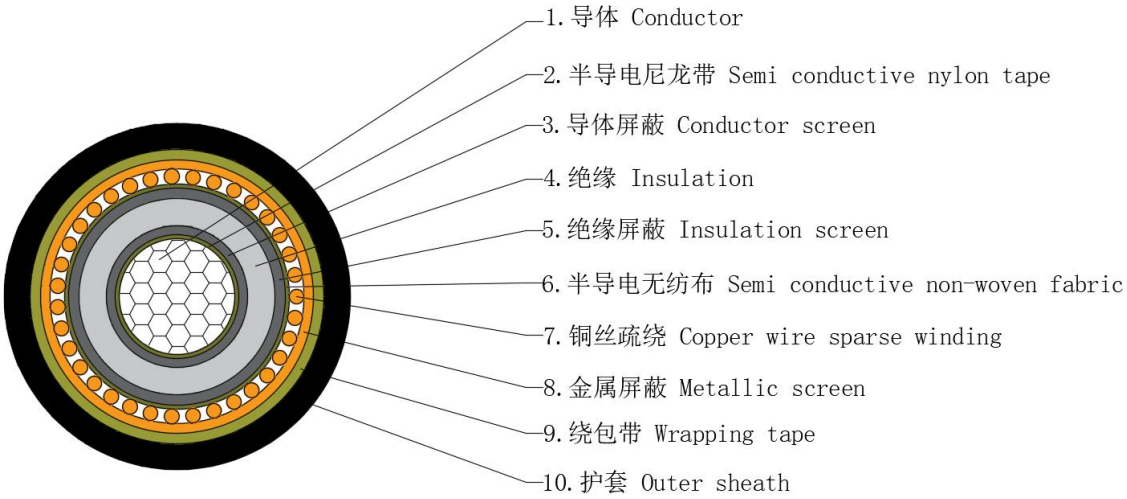
三芯非铠装电力电缆
3-core conductor no armor power cable



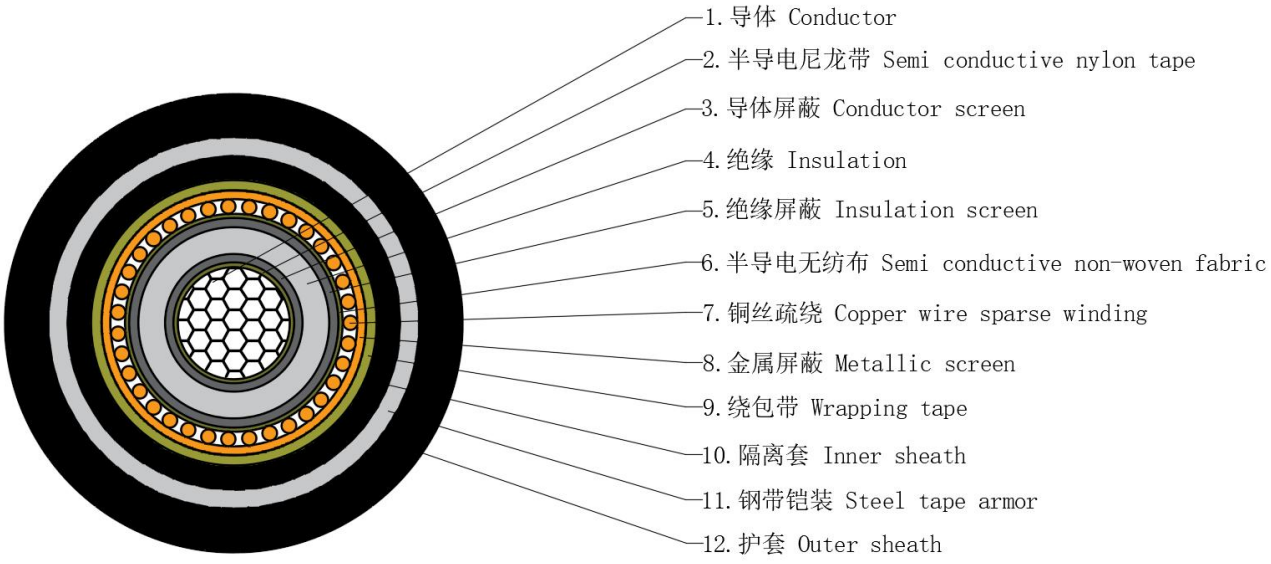
单芯钢带铠装电力电缆
1-core conductor steel tape armor power cable



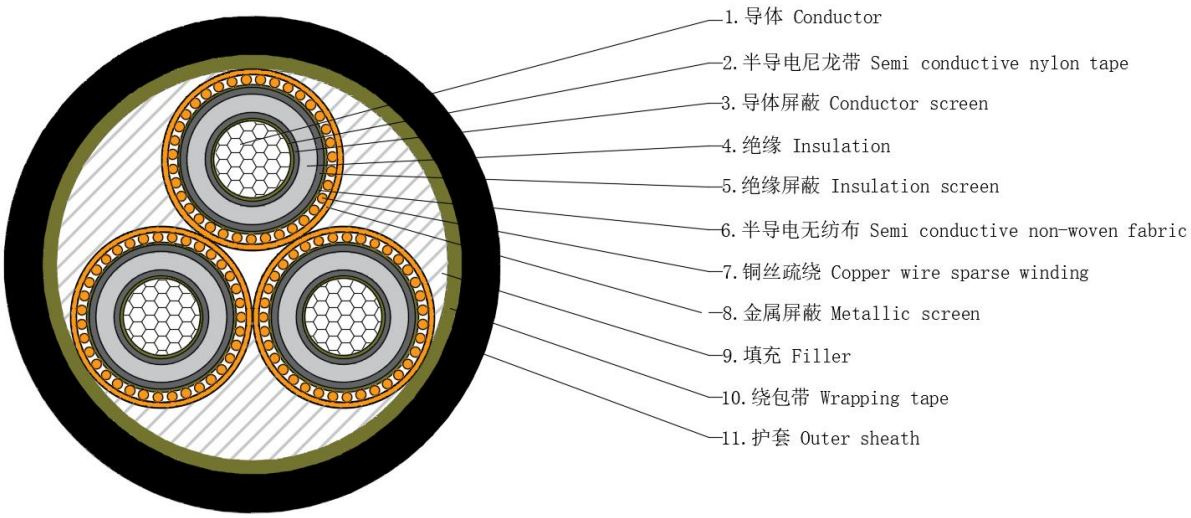
三芯钢带铠装电力电缆
3-core conductor steel tape armor power cable



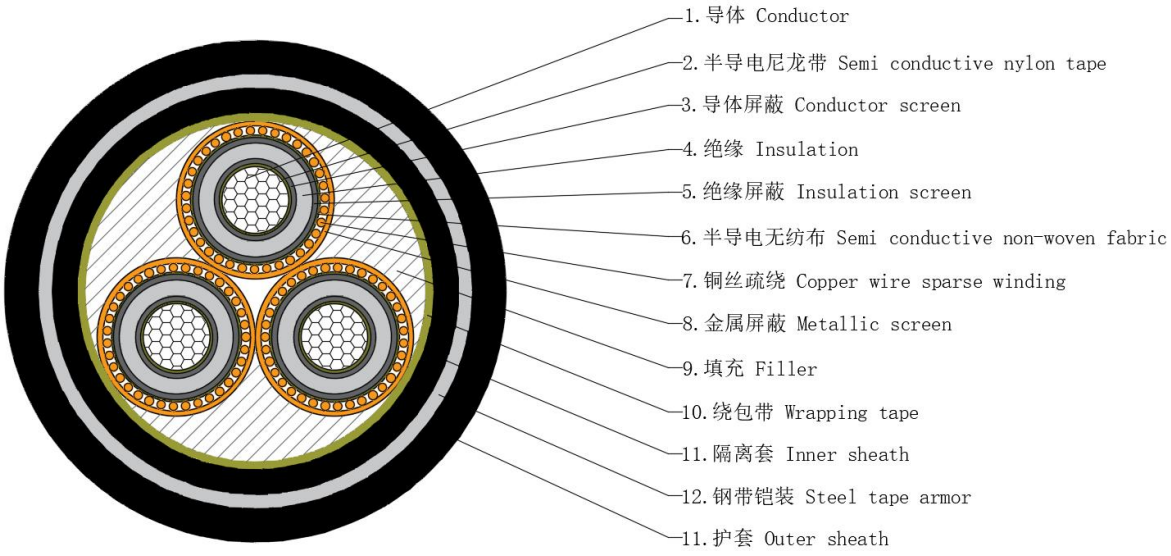
单芯非铠装电力电缆
1-core conductor no armor power cable



单芯钢带铠装电力电缆
1-core conductor steel tape armor power cable



三芯非铠装电力电缆
3-core conductor no armor power cable



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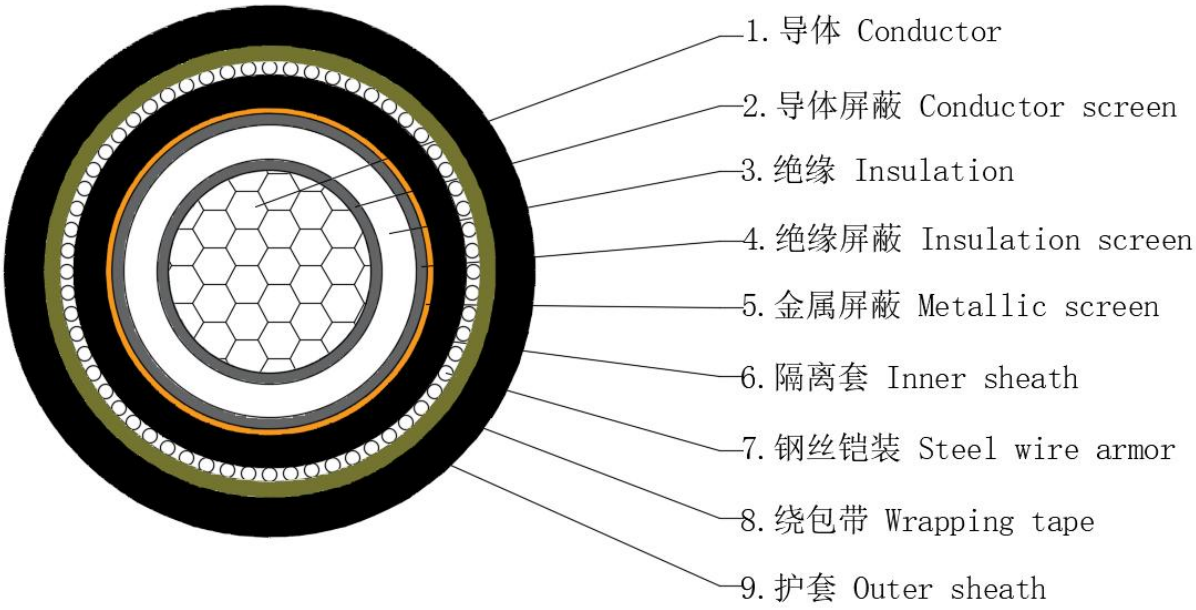
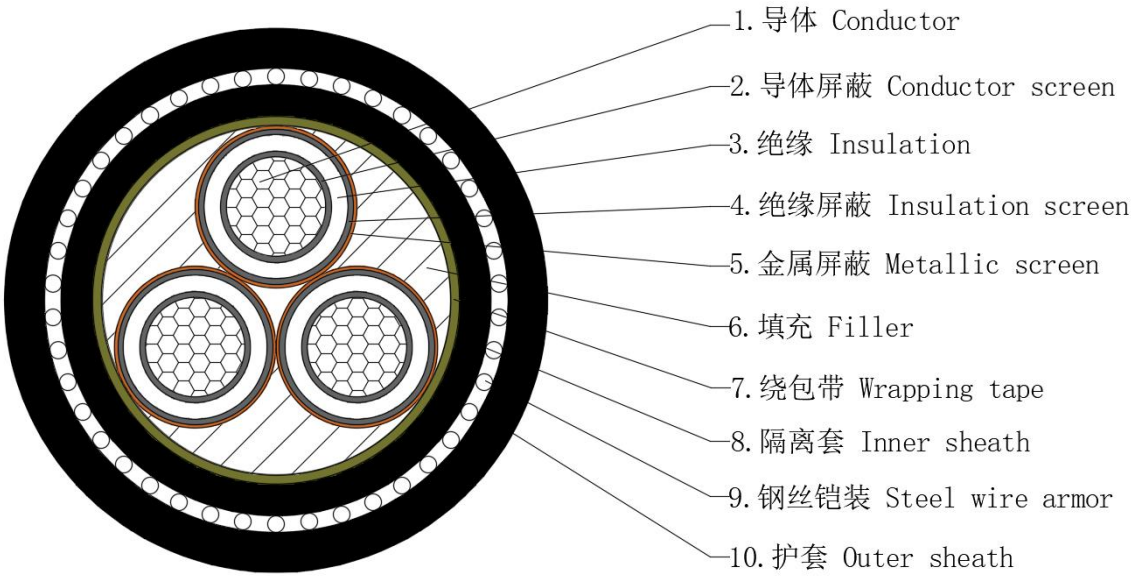
3-core conductor steel tape armor power cable



单芯钢丝铠装电力电缆
1-core conductor steel wire armor power cable



三芯钢丝铠装电力电缆
3-core conductor steel wire armor power cable

导体最大直流/交流电阻：Conductor maximum DC/AC resistance:

导体标称截面 Nominal cross section of conductor mm^2	20℃最大直流电阻 20℃ maximum DC resistance Ω/km		90℃最大交流电阻 90℃ maximum AC resistance Ω/km	
	铜 cooper	铝 aluminium	铜 cooper	铝 aluminium
10	1.83	3.08	2.33	3.9487
16	1.15	1.91	1.46	2.4487
25	0.727	1.2	0.927	1.5385
35	0.524	0.868	0.668	1.1130
50	0.387	0.641	0.493	0.8220
70	0.268	0.443	0.342	0.5681
95	0.193	0.32	0.246	0.4105
120	0.153	0.253	0.195	0.3247
150	0.124	0.206	0.158	0.2645
185	0.0991	0.164	0.1272	0.2108
240	0.0754	0.125	0.0972	0.1609
300	0.0601	0.100	0.0780	0.1290
400	0.047	0.0778	0.061	0.1010
500	0.0366	0.0605	0.0489	0.0789
630	0.0283	0.0469	0.0389	0.0619

绝缘标称厚度：Nominal insulation thickness:

标称截面 Nominal cross section of conductor mm^2	电压等级 voltage classes						
	3.6/6kV	6/6kV 6/10kV	8.7/10kV 8.7/15kV	12/20kV	18/20kV 18/30kV	21/35kV	26/35kV
10	2.5	-	-	-	-	-	-
16	2.5	3.4	-	-	-	-	-
25	2.5	3.4	4.5	-	-	-	-
35	2.5	3.4	4.5	5.5	-	-	-
50	2.5	3.4	4.5	5.5	8.0	9.3	10.5
70	2.5	3.4	4.5	5.5	8.0	9.3	10.5
95	2.5	3.4	4.5	5.5	8.0	9.3	10.5
120	2.5	3.4	4.5	5.5	8.0	9.3	10.5
150	2.5	3.4	4.5	5.5	8.0	9.3	10.5
185	2.5	3.4	4.5	5.5	8.0	9.3	10.5
240	2.6	3.4	4.5	5.5	8.0	9.3	10.5
300	2.8	3.4	4.5	5.5	8.0	9.3	10.5
400	3.0	3.4	4.5	5.5	8.0	9.3	10.5
500	3.2	3.4	4.5	5.5	8.0	9.3	10.5
630	3.2	3.4	4.5	5.5	8.0	9.3	10.5

耐压试验、局放试验：Voltage test, partial discharge test

试验项目 test item	额定电压 Rated voltage/kV						
	3.6/6	6/6、6/10	8.7/10、8.7/15	12/20	18/30	21/35	26/35
工频交流电压试验 power frequency AC voltage test kV/5min	12.5	21	30.5	42	63	73.5	91
四小时工频交流电压试验 Four hours' power frequency AC voltage test kV	/	24	35	48	72	84	104
局部放电试验 partial discharge test pc	≤5	≤5	≤5	≤5	≤5	≤5	≤5
U_0/kV	额定电压 rated voltage/kV						
		6	10	15	20	30	35
冲击电压试验 impulse voltage test kV		60	75	95	125	170	200

产品结构尺寸（仅供参考）：Product structure size (for reference only)

导体外径：Outer diameter of conductor:

标称截面 nominal cross section mm^2	**1.5**	**2.5**	**4**	**6**	**10**	**16**	**25**	**35**	**50**
铜导体近似外径 cooper conductor Approximate outside diameter mm	1.36	1.74	2.21	2.71	3.9	4.8	6.0	6.9	8.1
铝导体近似外径 Aluminium conductor Approximate outside diameter mm	/	/	/	/	3.9	4.8	6.0	6.9	8.1
标称截面 nominal cross section mm^2	**70**	**95**	**120**	**150**	**185**	**240**	**300**	**400**	**500**
铜导体近似外径 cooper conductor Approximate outside diameter mm	9.2	10.8	12.2	13.5	15.1	17.4	19.4	21.9	26.4
铝导体近似外径 Aluminium conductor Approximate outside diameter mm	9.7	11.4	12.1	13.3	15.0	17.2	19.2	21.8	26.4

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV	YJLV
3.6/6	1	25	1.5	17.2	495	323
3.6/6	1	35	1.5	18.2	606	369
3.6/6	1	50	1.6	19.4	741	431
3.6/6	1	70	1.6	20.9	959	527
3.6/6	1	95	1.7	22.8	1237	636
3.6/6	1	120	1.7	24.2	1476	737
3.6/6	1	150	1.8	25.8	1759	844
3.6/6	1	185	1.8	27.5	2135	983
3.6/6	1	240	1.9	30.1	2703	1214
3.6/6	1	300	2.0	32.6	3319	1456
3.6/6	1	400	2.1	35.7	4132	1784
3.6/6	1	500	2.2	40.5	5289	2191
3.6/6	3	25	2.1	34.3	1688	1124
3.6/6	3	35	2.1	36.5	2024	1284
3.6/6	3	50	2.2	39.0	2439	1488
3.6/6	3	70	2.4	42.6	2897	1807
3.6/6	3	95	2.5	46.5	4037	2171
3.6/6	3	120	2.6	49.7	4826	2524
3.6/6	3	150	2.7	52.9	5705	2916
3.6/6	3	185	2.8	56.7	6945	3407
3.6/6	3	240	3.0	62.3	8723	4160
3.6/6	3	300	3.2	67.8	10644	4941
3.6/6	3	400	3.4	74.3	13249	6137
3.6/6	3	500	3.7	84.8	16914	7478
6/6、6/10	1	25	1.6	19.0	559	380
6/6、6/10	1	35	1.6	20.0	674	430
6/6、6/10	1	50	1.7	21.1	804	494
6/6、6/10	1	70	1.7	22.8	1035	596
6/6、6/10	1	95	1.8	24.5	1309	710
6/6、6/10	1	120	1.8	26.1	1563	815
6/6、6/10	1	150	1.9	27.5	1838	927
6/6、6/10	1	185	1.9	29.4	2232	1070
6/6、6/10	1	240	2.0	31.8	2797	1299

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV	YJLV
6/6、6/10	1	300	2.1	33.8	3384	1524
6/6、6/10	1	400	2.2	36.6	4194	1833
6/6、6/10	1	500	2.3	40.8	5315	2217
6/6、6/10	3	25	2.2	38.2	1873	1304
6/6、6/10	3	35	2.3	40.5	2235	1472
6/6、6/10	3	50	2.4	43.1	2663	1688
6/6、6/10	3	70	2.5	46.5	3119	2024
6/6、6/10	3	95	2.6	50.3	4276	2404
6/6、6/10	3	120	2.7	53.5	5079	2770
6/6、6/10	3	150	2.8	56.8	5972	3176
6/6、6/10	3	185	2.9	60.6	7228	3683
6/6、6/10	3	240	3.1	65.7	8999	4429
6/6、6/10	3	300	3.3	70.4	10873	5158
6/6、6/10	3	400	3.5	76.2	13425	6295
6/6、6/10	3	500	3.7	85.6	16995	7900
8.7/10、8.7/15	1	25	1.6	21.2	647	495
8.7/10、8.7/15	1	35	1.7	22.4	775	541
8.7/10、8.7/15	1	50	1.7	23.5	909	603
8.7/10、8.7/15	1	70	1.8	25.2	1149	706
8.7/10、8.7/15	1	95	1.8	26.9	1429	824
8.7/10、8.7/15	1	120	1.9	28.4	1690	943
8.7/10、8.7/15	1	150	1.9	29.8	1972	1060
8.7/10、8.7/15	1	185	2.0	31.7	2374	1219
8.7/10、8.7/15	1	240	2.1	34.1	2950	1458
8.7/10、8.7/15	1	300	2.1	36.1	3545	1686
8.7/10、8.7/15	1	400	2.2	38.8	4351	2002
8.7/10、8.7/15	1	500	2.3	43.3	5508	2440
8.7/10、8.7/15	1	630	2.4	47.4	6896	2942
8.7/10、8.7/15	3	25	2.4	43.0	2155	1595
8.7/10、8.7/15	3	35	2.5	45.4	2530	1796
8.7/10、8.7/15	3	50	2.6	47.9	2991	2040
8.7/10、8.7/15	3	70	2.7	51.4	3741	2403
8.7/10、8.7/15	3	95	2.8	55.2	4654	2822

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV	YJLV
8.7/10、8.7/15	3	120	2.9	58.4	5466	3208
8.7/10、8.7/15	3	150	3.0	61.6	6419	3663
8.7/10、8.7/15	3	185	3.1	65.5	7667	4176
8.7/10、8.7/15	3	240	3.3	70.6	9462	4955
8.7/10、8.7/15	3	300	3.4	75.1	11416	5800
8.7/10、8.7/15	3	400	3.7	81.0	14026	6927
8.7/10、8.7/15	3	500	3.8	90.3	17602	8529
8.7/10、8.7/15	3	630	4.1	99.3	22129	10459
12/20	1	35	1.7	24.3	854	610
12/20	1	50	1.8	25.6	1003	684
12/20	1	70	1.8	27.1	1237	800
12/20	1	95	1.9	28.9	1535	926
12/20	1	120	2.0	30.3	1788	1042
12/20	1	150	2.0	32.8	2114	1165
12/20	1	185	2.1	34.5	2509	1321
12/20	1	240	2.1	36.9	3094	1569
12/20	1	300	2.2	39.1	3713	1811
12/20	1	400	2.3	41.8	4531	2142
12/20	1	500	2.4	46.1	5705	2550
12/20	3	35	2.6	49.7	2790	2053
12/20	3	50	2.7	52.2	3263	2253
12/20	3	70	2.8	55.6	4029	2694
12/20	3	95	2.9	59.5	4961	3126
12/20	3	120	3.0	62.7	5788	3548
12/20	3	150	3.1	65.9	6757	3993
12/20	3	185	3.3	69.9	8053	4516
12/20	3	240	3.4	74.9	9843	5316
12/20	3	300	3.6	79.6	11851	6244
12/20	3	400	3.8	85.3	14458	7355
12/20	3	500	4.0	94.8	18118	8835
18/20、18/30	1	50	2.0	30.7	1263	925
18/20、18/30	1	70	2.0	32.2	1508	1056
18/20、18/30	1	95	2.1	34.0	1822	1197

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV	YJLV
18/20、18/30	1	120	2.1	35.4	2087	1323
18/20、18/30	1	150	2.2	37.0	2400	1457
18/20、18/30	1	185	2.2	38.7	2808	1628
18/20、18/30	1	240	2.3	41.1	3411	1895
18/20、18/30	1	300	2.4	43.3	4047	2156
18/20、18/30	1	400	2.5	46.0	4886	2510
18/20、18/30	1	500	2.6	50.3	6093	2944
18/20、18/30	3	50	3.1	63.2	4155	3070
18/20、18/30	3	70	3.2	66.6	4961	3508
18/20、18/30	3	95	3.3	70.5	5975	3987
18/20、18/30	3	120	3.4	73.7	6854	4444
18/20、18/30	3	150	3.5	76.9	7828	4928
18/20、18/30	3	185	3.6	80.7	9221	5497
18/20、18/30	3	240	3.8	85.9	11185	6363
18/20、18/30	3	300	4.0	90.4	13185	7350
18/20、18/30	3	400	4.2	96.3	15910	8536
18/20、18/30	3	500	4.4	105.8	19690	10103
21/35	1	50	2.1	33.3	1414	1080
21/35	1	70	2.1	34.8	1666	1220
21/35	1	95	2.2	36.7	1988	1368
21/35	1	120	2.2	38.1	2259	1501
21/35	1	150	2.3	39.7	2579	1642
21/35	1	185	2.3	41.4	2994	1820
21/35	1	240	2.4	43.8	3608	2099
21/35	1	300	2.5	45.9	4253	2370
21/35	1	400	2.6	48.6	5103	2737
21/35	1	500	2.7	55.2	6555	3537
21/35	1	630	2.8	59.2	8000	4103
21/35	3	50	3.3	68.9	4834	3918
21/35	3	70	3.4	72.3	5752	4459
21/35	3	95	3.5	76.2	6863	5015
21/35	3	120	3.6	79.4	7782	5523
21/35	3	150	3.7	82.6	8861	6041

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV	YJLV
21/35	3	185	3.8	86.4	10249	6690
21/35	3	240	4.0	91.5	12210	7653
21/35	3	300	4.2	96.0	14192	8623
21/35	3	400	4.4	102.0	16869	9898
21/35	3	500	4.6	116.2	21749	12866
21/35	3	630	4.9	125.0	26427	14960
26/35	1	50	2.1	35.6	1414	1222
26/35	1	70	2.2	37.3	1666	1368
26/35	1	95	2.3	39.0	1988	1523
26/35	1	120	2.3	40.6	2259	1661
26/35	1	150	2.4	42.0	2579	1808
26/35	1	185	2.4	43.8	2994	1993
26/35	1	240	2.5	46.2	3608	2281
26/35	1	300	2.6	48.2	4253	2561
26/35	1	400	2.7	51.1	5103	2939
26/35	1	500	2.7	57.6	6555	3733
26/35	1	630	2.8	61.7	8000	4312
26/35	3	50	3.5	74.2	5309	4369
26/35	3	70	3.6	77.6	6249	4933
26/35	3	95	3.7	81.5	7383	5512
26/35	3	120	3.8	84.7	8321	6037
26/35	3	150	3.9	87.9	9419	6573
26/35	3	185	4.0	91.7	10831	7244
26/35	3	240	4.2	96.8	12824	8239
26/35	3	300	4.3	101.3	14832	9237
26/35	3	400	4.6	107.3	17548	10548
26/35	3	500	4.8	121.5	22663	13754
26/35	3	630	5.1	130.5	27466	15966

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV62/YJV22	YJLV62/YJLV22
3.6/6	1	25	1.8	20.7	736	540
3.6/6	1	35	1.8	21.7	861	584
3.6/6	1	50	1.8	22.8	1002	659
3.6/6	1	70	1.8	24.3	1239	777
3.6/6	1	95	1.8	26.0	1529	905
3.6/6	1	120	1.8	27.4	1786	1022
3.6/6	1	150	1.9	28.9	2087	1146
3.6/6	1	185	1.9	30.6	2485	1304
3.6/6	1	240	2.0	33.2	3083	1555
3.6/6	1	300	2.2	37.1	4087	2179
3.6/6	1	400	2.3	40.2	4968	2589
3.6/6	1	500	2.4	45.2	6265	3089
3.6/6	3	25	2.2	38.6	2479	1881
3.6/6	3	35	2.3	41.2	2903	2093
3.6/6	3	50	2.4	43.7	3377	2363
3.6/6	3	70	2.5	47.3	4191	2782
3.6/6	3	95	2.6	51.2	5152	3246
3.6/6	3	120	2.8	54.7	6066	3680
3.6/6	3	150	2.8	58.1	7051	4159
3.6/6	3	185	3.0	62.0	8389	4754
3.6/6	3	240	3.2	67.7	10339	5671
3.6/6	3	300	3.3	73.4	12435	6622
3.6/6	3	400	3.6	81.7	16097	8835
3.6/6	3	500	3.8	92.1	20191	10505
6/6、6/10	1	25	1.8	22.4	815	614
6/6、6/10	1	35	1.8	23.4	942	664
6/6、6/10	1	50	1.8	24.5	1086	742
6/6、6/10	1	70	1.8	26.0	1328	866
6/6、6/10	1	95	1.9	27.8	1634	999
6/6、6/10	1	120	1.9	29.2	1895	1120
6/6、6/10	1	150	2.0	30.8	2201	1248
6/6、6/10	1	185	2.0	32.5	2604	1411

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV62/YJV22	YJLV62/YJLV22
6/6、6/10	1	240	2.1	36.1	3530	1995
6/6、6/10	1	300	2.2	38.3	4178	2277
6/6、6/10	1	400	2.3	41.1	5053	2658
6/6、6/10	1	500	2.4	45.5	6300	3124
6/6、6/10	3	25	2.4	42.9	2789	2158
6/6、6/10	3	35	2.5	45.0	3185	2380
6/6、6/10	3	50	2.6	48.0	3715	2662
6/6、6/10	3	70	2.7	51.6	4548	3101
6/6、6/10	3	95	2.8	55.4	5529	3584
6/6、6/10	3	120	2.9	58.8	6438	4033
6/6、6/10	3	150	3.0	62.0	7412	4527
6/6、6/10	3	185	3.1	66.0	8797	5141
6/6、6/10	3	240	3.3	71.3	10733	6042
6/6、6/10	3	300	3.5	76.2	12765	6918
6/6、6/10	3	400	3.8	83.3	16301	9065
6/6、6/10	3	500	4.0	93.0	20303	11099
8.7/10、8.7/15	1	35	1.8	25.5	1062	869
8.7/10、8.7/15	1	50	1.8	26.6	1210	947
8.7/10、8.7/15	1	70	1.9	28.3	1469	1087
8.7/10、8.7/15	1	95	1.9	30.0	1771	1230
8.7/10、8.7/15	1	120	2.0	31.6	2051	1372
8.7/10、8.7/15	1	150	2.0	33.0	2350	1510
8.7/10、8.7/15	1	185	2.1	36.1	3106	2026
8.7/10、8.7/15	1	240	2.2	38.4	3733	2327
8.7/10、8.7/15	1	300	2.3	40.6	4390	2627
8.7/10、8.7/15	1	400	2.4	43.5	5278	3039
8.7/10、8.7/15	1	500	2.5	48.2	6571	3607
8.7/10、8.7/15	1	630	2.6	52.2	8056	4208
8.7/10、8.7/15	3	25	2.6	47.1	3145	2727
8.7/10、8.7/15	3	35	2.6	49.5	3573	2987
8.7/10、8.7/15	3	50	2.7	52.2	4117	3331
8.7/10、8.7/15	3	70	2.9	56.0	4997	3833

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV62/YJV22	YJLV62/YJLV22
8.7/10、8.7/15	3	95	3.0	60.8	5710	4380
8.7/10、8.7/15	3	120	3.1	63.2	6925	4896
8.7/10、8.7/15	3	150	3.2	66.6	7990	5440
8.7/10、8.7/15	3	185	3.3	70.5	9338	6109
8.7/10、8.7/15	3	240	3.5	75.8	11298	7096
8.7/10、8.7/15	3	300	3.7	81.8	14219	8958
8.7/10、8.7/15	3	400	3.9	87.8	17051	10342
8.7/10、8.7/15	3	500	4.1	97.4	21066	11928
8.7/10、8.7/15	3	630	4.4	106.7	26035	14281
12/20	1	35	1.9	27.6	1177	963
12/20	1	50	1.9	28.7	1329	1045
12/20	1	70	2.0	30.4	1594	1184
12/20	1	95	2.0	32.1	1901	1336
12/20	1	120	2.1	33.7	2186	1480
12/20	1	150	2.2	37.2	2871	1952
12/20	1	185	2.2	39.0	3321	2166
12/20	1	240	2.3	41.4	3958	2462
12/20	1	300	2.4	43.8	4646	2776
12/20	1	400	2.5	46.5	5525	3171
12/20	1	500	2.6	51.0	6834	3755
12/20	3	35	2.8	54.7	4018	3222
12/20	3	50	2.9	57.5	4580	3544
12/20	3	70	3.0	60.9	5431	4042
12/20	3	95	3.1	64.9	6490	4583
12/20	3	120	3.3	68.3	7430	5091
12/20	3	150	3.4	71.5	8482	5629
12/20	3	185	3.5	75.7	9918	6264
12/20	3	240	3.7	82.2	12692	8031
12/20	3	300	3.9	86.9	14879	9141
12/20	3	400	4.1	93.0	17786	10542
12/20	3	500	4.3	102.7	21861	12327
18/20、18/30	1	50	2.1	33.8	1650	1603

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV62/YJV22	YJLV62/YJLV22
18/20、18/30	1	70	2.2	36.7	2266	1774
18/20、18/30	1	95	2.2	38.4	2605	1952
18/20、18/30	1	120	2.3	40.0	2918	2107
18/20、18/30	1	150	2.3	41.5	3268	2273
18/20、18/30	1	185	2.4	43.4	3733	2480
18/20、18/30	1	240	2.5	45.8	4390	2833
18/20、18/30	1	300	2.5	48.0	5077	3153
18/20、18/30	1	400	2.7	50.7	5976	3583
18/20、18/30	1	500	2.8	55.2	7321	4105
18/20、18/30	3	50	3.3	68.8	5799	4619
18/20、18/30	3	70	3.4	72.2	6693	5171
18/20、18/30	3	95	3.5	76.3	7842	6520
18/20、18/30	3	120	3.7	81.0	9644	7080
18/20、18/30	3	150	3.8	84.2	10736	7715
18/20、18/30	3	185	3.9	88.3	12315	8442
18/20、18/30	3	240	4.1	93.6	14514	9536
18/20、18/30	3	300	4.2	98.2	16736	10736
18/20、18/30	3	400	4.5	104.4	19738	12202
18/20、18/30	3	500	4.7	114.0	23946	14083
21/35	1	50	2.2	37.7	2180	1818
21/35	1	70	2.3	39.3	2483	1997
21/35	1	95	2.3	41.2	2848	2183
21/35	1	120	2.4	42.8	3170	2344
21/35	1	150	2.4	44.2	3506	2516
21/35	1	185	2.5	46.3	4002	2732
21/35	1	240	2.6	48.6	4670	3110
21/35	1	300	2.6	50.6	5343	3441
21/35	1	400	2.8	53.5	6279	3886
21/35	1	500	2.9	60.4	7959	4822
21/35	1	630	3.0	64.5	9505	5490
21/35	3	50	3.5	74.7	6654	5646
21/35	3	70	3.7	79.5	8451	7083

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV62/YJV22	YJLV62/YJLV22
21/35	3	95	3.8	83.5	9738	7797
21/35	3	120	3.9	86.9	10816	8431
21/35	3	150	4.0	90.3	12058	9082
21/35	3	185	4.1	94.1	13593	9893
21/35	3	240	4.3	99.4	15795	11089
21/35	3	300	4.4	104.1	18002	12299
21/35	3	400	4.7	110.2	20962	13836
21/35	3	500	4.9	126.1	26745	17571
21/35	3	630	5.2	135.2	31925	20130
26/35	1	50	2.3	40.3	2404	2009
26/35	1	70	2.4	42.0	2714	2195
26/35	1	95	2.4	43.7	3068	2388
26/35	1	120	2.5	45.3	3395	2555
26/35	1	150	2.5	46.8	3759	2732
26/35	1	185	2.6	48.7	4242	2955
26/35	1	240	2.6	50.9	4897	3356
26/35	1	300	2.7	53.3	5626	3697
26/35	1	400	2.8	56.0	6548	4154
26/35	1	500	3.0	62.9	8244	5070
26/35	1	630	3.1	67.1	9838	5752
26/35	3	50	3.7	81.3	8069	7047
26/35	3	70	3.8	84.9	9173	7774
26/35	3	95	4.0	89.0	10488	8513
26/35	3	120	4.1	92.4	11590	9166
26/35	3	150	4.2	95.7	12855	9839
26/35	3	185	4.3	99.6	14415	10675
26/35	3	240	4.5	104.9	16654	11907
26/35	3	300	4.6	109.6	18892	13150
26/35	3	400	4.9	115.7	21895	14728
26/35	3	500	5.1	132.2	28130	18957
26/35	3	630	5.4	141.2	33334	21540

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV72/YJV32	YJLV72/YJLV32
3.6/6	1	25	1.8	41.4	844	694
3.6/6	1	35	1.8	44.9	975	760
3.6/6	1	50	1.8	47.5	1120	836
3.6/6	1	70	1.8	51.1	1366	954
3.6/6	1	95	1.9	54.9	1676	1107
3.6/6	1	120	1.9	58.5	1942	1232
3.6/6	1	150	2.0	61.9	2249	1372
3.6/6	1	185	2.1	65.7	2753	1640
3.6/6	1	240	2.1	71.5	3362	1908
3.6/6	1	300	2.2	78.4	4034	2206
3.6/6	1	400	2.4	85.6	4926	2615
3.6/6	1	500	2.5	96.0	6361	3324
3.6/6	3	25	2.3	41.4	3281	2828
3.6/6	3	35	2.4	44.9	4140	3494
3.6/6	3	50	2.5	47.5	4697	3839
3.6/6	3	70	2.6	51.1	5615	4374
3.6/6	3	95	2.7	54.9	6676	4964
3.6/6	3	120	2.9	58.5	7700	5561
3.6/6	3	150	3.0	61.9	8793	6152
3.6/6	3	185	3.1	65.7	10271	6918
3.6/6	3	240	3.3	71.5	12375	7995
3.6/6	3	300	3.5	78.4	15520	10014
3.6/6	3	400	3.8	85.6	18747	11783
3.6/6	3	500	4.0	96.0	23144	13993
6/6、6/10	1	25	1.8	25.4	928	779
6/6、6/10	1	35	1.8	26.4	1061	848
6/6、6/10	1	50	1.8	27.5	1209	926
6/6、6/10	1	70	1.9	29.1	1470	1061
6/6、6/10	1	95	1.9	30.8	1771	1207
6/6、6/10	1	120	2.0	33.2	2131	1426
6/6、6/10	1	150	2.1	34.8	2448	1578
6/6、6/10	1	185	2.1	36.5	2867	1763

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV72/YJV32	YJLV72/YJLV32
6/6、6/10	1	240	2.2	38.9	3476	2033
6/6、6/10	1	300	2.3	41.1	4119	2305
6/6、6/10	1	400	2.4	44.9	5132	2837
6/6、6/10	1	500	2.5	49.3	6382	3366
6/6、6/10	3	25	2.5	46.7	4082	3629
6/6、6/10	3	35	2.6	49.0	4544	3898
6/6、6/10	3	50	2.7	51.7	5133	4276
6/6、6/10	3	70	2.8	55.3	6111	4870
6/6、6/10	3	95	2.9	59.2	7192	5479
6/6、6/10	3	120	3.0	62.6	8209	6070
6/6、6/10	3	150	3.1	65.8	9293	6652
6/6、6/10	3	185	3.2	69.8	10776	7423
6/6、6/10	3	240	3.4	76.4	13720	9341
6/6、6/10	3	300	3.6	81.3	15998	10492
6/6、6/10	3	400	3.8	87.2	18972	12007
6/6、6/10	3	500	4.1	97.0	23338	14187
8.7/10、8.7/15	1	35	1.9	28.7	1202	988
8.7/10、8.7/15	1	50	1.9	29.8	1356	1071
8.7/10、8.7/15	1	70	2.0	31.5	1625	1213
8.7/10、8.7/15	1	95	2.1	34.2	2030	1460
8.7/10、8.7/15	1	120	2.1	35.6	2316	1604
8.7/10、8.7/15	1	150	2.1	37.0	2625	1747
8.7/10、8.7/15	1	185	2.2	38.8	3060	1945
8.7/10、8.7/15	1	240	2.3	41.2	3691	2235
8.7/10、8.7/15	1	300	2.3	43.2	4328	2497
8.7/10、8.7/15	1	400	2.5	47.3	5368	3051
8.7/10、8.7/15	1	500	2.6	51.9	6678	3635
8.7/10、8.7/15	1	630	2.7	56.0	8176	4263
8.7/10、8.7/15	3	25	2.6	51.5	4597	4145
8.7/10、8.7/15	3	35	2.7	53.9	5110	4467
8.7/10、8.7/15	3	50	2.8	56.6	5732	4879
8.7/10、8.7/15	3	70	2.9	60.2	6692	5457

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV72/YJV32	YJLV72/YJLV32
8.7/10、8.7/15	3	95	3.1	64.4	7902	6186
8.7/10、8.7/15	3	120	3.2	67.6	8891	6763
8.7/10、8.7/15	3	150	3.3	72.3	10879	8252
8.7/10、8.7/15	3	185	3.4	76.2	12355	9019
8.7/10、8.7/15	3	240	3.6	81.4	14549	10191
8.7/10、8.7/15	3	300	3.8	86.3	16872	11393
8.7/10、8.7/15	3	400	4.0	94.4	20368	13388
8.7/10、8.7/15	3	500	4.2	101.9	24290	15184
8.7/10、8.7/15	3	630	4.5	111.2	29526	17819
12/20	1	35	1.9	30.6	1315	1102
12/20	1	50	2.0	31.9	1485	1202
12/20	1	70	2.1	34.4	1843	1434
12/20	1	95	2.1	36.1	2158	1593
12/20	1	120	2.2	37.6	2455	1748
12/20	1	150	2.2	39.0	2776	1904
12/20	1	185	2.3	40.9	3216	2109
12/20	1	240	2.3	43.1	3834	2388
12/20	1	300	2.5	46.7	4677	2859
12/20	1	400	2.6	49.3	5556	3256
12/20	1	500	2.7	53.9	6861	3840
12/20	3	35	2.9	58.5	5648	5005
12/20	3	50	3.0	61.2	6287	5434
12/20	3	70	3.1	64.7	7243	6008
12/20	3	95	3.2	68.7	8435	6731
12/20	3	120	3.4	73.6	10352	8224
12/20	3	150	3.5	76.8	11543	8916
12/20	3	185	3.6	80.8	13071	9735
12/20	3	240	3.8	86.1	15297	10939
12/20	3	300	3.9	90.8	17673	12194
12/20	3	400	4.2	96.9	20741	13811
12/20	3	500	4.4	106.5	25157	16052
18/20、18/30	1	50	2.2	37.8	2045	1643

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV72/YJV32	YJLV72/YJLV32
18/20、18/30	1	70	2.2	39.3	2373	1789
18/20、18/30	1	95	2.3	41.2	2799	1988
18/20、18/30	1	120	2.3	42.6	3156	2139
18/20、18/30	1	150	2.4	45.3	3723	2468
18/20、18/30	1	185	2.5	47.2	4289	2700
18/20、18/30	1	240	2.6	49.6	5105	3025
18/20、18/30	1	300	2.6	51.8	5955	3346
18/20、18/30	1	400	2.8	54.6	7108	3790
18/20、18/30	1	500	2.8	59.0	8703	4389
18/20、18/30	3	50	3.4	73.9	8696	7843
18/20、18/30	3	70	3.5	77.3	9725	8490
18/20、18/30	3	95	3.7	81.5	11096	9392
18/20、18/30	3	120	3.8	84.9	12233	10105
18/20、18/30	3	150	3.9	88.1	13432	10804
18/20、18/30	3	185	4.0	92.1	15157	11821
18/20、18/30	3	240	4.2	97.4	17474	13116
18/20、18/30	3	300	4.3	102.1	19885	14406
18/20、18/30	3	400	4.6	108.2	23047	16118
18/20、18/30	3	500	4.8	117.9	27597	18491
21/35	1	50	2.3	40.4	2123	1839
21/35	1	70	2.3	41.9	2411	2001
21/35	1	95	2.4	45.0	2926	2361
21/35	1	120	2.5	46.6	3254	2548
21/35	1	150	2.5	48.0	3581	2709
21/35	1	185	2.6	50.0	4089	2982
21/35	1	240	2.7	52.4	4751	3305
21/35	1	300	2.7	54.4	5433	3615
21/35	1	400	2.8	57.3	6369	4070
21/35	1	500	3	64.2	8057	5036
21/35	1	630	3.1	68.3	9610	5725
21/35	3	50	3.6	79.8	9779	8926
21/35	3	70	3.7	83.4	11018	9783

电压等级 voltage classes kV	芯数 Nos. of cores	标称截面 nominal cross section mm^2	护套标称厚度 Nominal thickness of sheath mm	计算外径 Calculated outside diameter mm	电缆计算重量 Calculated weight of cable kg/km	
					YJV72/YJV32	YJLV72/YJLV32
21/35	3	95	3.9	87.4	12397	10693
21/35	3	120	4	90.8	13578	11450
21/35	3	150	4.1	94.2	14921	12294
21/35	3	185	4.2	98.0	16607	13271
21/35	3	240	4.4	103.3	18989	14632
21/35	3	300	4.5	108.0	21323	15844
21/35	3	400	4.8	114.1	24506	17576
21/35	3	500	5	128.5	30476	21371
21/35	3	630	5.2	137.7	35960	24252
26/35	1	50	2.4	44.1	2483	2172
26/35	1	70	2.5	45.8	2798	2355
26/35	1	95	2.5	47.5	3151	2547
26/35	1	120	2.6	49.0	3472	2723
26/35	1	150	2.6	50.6	3838	2918
26/35	1	185	2.7	52.5	4322	3162
26/35	1	240	2.7	54.7	4983	3477
26/35	1	300	2.8	57.1	5719	3834
26/35	1	400	2.9	59.7	6645	4270
26/35	1	500	3.1	66.6	8348	5238
26/35	1	630	3.2	70.9	9946	5960
26/35	3	50	3.8	85.2	10660	9807
26/35	3	70	3.9	88.8	11924	10689
26/35	3	95	4.1	92.9	13330	11626
26/35	3	120	4.2	96.2	14534	12406
26/35	3	150	4.3	99.6	15901	13273
26/35	3	185	4.4	103.5	17612	14276
26/35	3	240	4.6	108.8	20031	15673
26/35	3	300	4.7	113.5	22395	16916
26/35	3	400	5	119.6	25621	18692
26/35	3	500	5.2	134.3	31913	22807
26/35	3	630	5.5	143.5	37479	25771

导体短路电流：Conductor short-circuit current

截面 nominal cross section	铜芯 cooper conductor I kA			铝芯 aluminum conductor I kA		
	t=1s	t=3s	t=5s	t=1s	t=3s	t=5s
25	3.58	2.07	1.60	2.36	1.36	1.06
35	5.01	2.89	2.24	3.31	1.91	1.48
50	7.15	4.13	3.20	4.72	2.73	2.11
70	10.02	5.78	4.48	6.61	3.82	2.96
95	13.59	7.85	6.08	8.98	5.18	4.01
120	17.17	9.91	7.68	11.34	6.55	5.07
150	21.46	12.39	9.60	14.17	8.18	6.34
185	26.47	15.28	11.84	17.48	10.09	7.82
240	34.34	19.83	15.36	22.68	13.09	10.14
300	42.93	24.78	19.20	28.35	16.37	12.68
400	57.23	33.04	25.60	37.79	21.82	16.90
500	71.54	41.30	31.99	47.24	27.28	21.13
630	90.14	52.04	40.31	59.52	34.37	26.62

载流量(包含修正系数)：Current carrying capacity (including correction factor)

铜芯电力电缆载流量（A）cooper core power cable carrying capacity（A）

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJV-3.6/6 kV YJV62-3.6/6 kV YJV22-3.6/6 kV	25	135/165	190/160	120	135	135/165	190/160	115	140
	35	165/205	230/195	145	165	165/205	230/195	145	165
	50	200/245	275/230	175	195	200/245	275/230	170	195
	70	250/305	335/280	215	240	250/305	335/280	210	240
	95	305/375	400/335	265	290	305/375	400/335	265	285
	120	355/435	465/385	305	325	355/435	465/385	300	325
	150	405/495	525/430	345	370	405/495	525/430	340	370
	185	465/575	600/485	400	415	465/575	600/485	390	415
	240	550/675	695/565	470	485	550/675	695/565	455	480
	300	635/785	785/640	535	540	635/785	785/640	520	545
	400	745/910	895/735	620	620	745/910	895/735	600	615
	500	855/1080	1010/840	710	710	855/1080	1010/840	685	695
	630	980/1240	1140/950	810	810	980/1240	1140/950	780	785
	800	1130/1440	1270/1080	935	935	1130/1440	1270/1080	900	900

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJV-6/10 kV YJV62-6/10 kV YJV22-6/10 kV	25	140/170	190/160	120	135	140/170	190/160	115	140
	35	175/205	225/195	145	165	175/205	225/195	145	165
	50	205/245	270/230	175	190	205/245	270/230	170	195
	70	260/310	335/280	220	240	260/310	335/280	210	240
	95	315/380	405/335	265	285	315/380	405/335	265	285
	120	365/435	460/385	305	320	365/435	460/385	300	325
	150	415/495	520/430	350	365	415/495	520/430	340	370
	185	475/570	585/485	395	410	475/570	585/485	390	415
	240	565/680	690/565	470	480	565/680	690/565	455	480
	300	645/780	775/640	535	540	645/780	775/640	520	545
	400	750/910	890/735	610	610	750/910	890/735	600	615
	500	865/1060	1010/840	700	695	865/1060	1010/840	685	695
	630	990/1230	1130/950	800	795	990/1230	1130/950	780	785
	800	1140/1440	1270/1080	930	920	1140/1440	1270/1080	900	900

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJV-8.7/15 kV YJV62-8.7/15 kV YJV22-8.7/15 kV	25	140/170	190/160	120	135	140/170	190/160	125	135
	35	175/205	225/195	145	165	175/205	225/195	150	165
	50	205/245	270/230	175	190	205/245	270/230	180	190
	70	260/310	335/280	220	240	260/310	335/280	220	240
	95	315/380	405/335	265	285	315/380	405/335	265	285
	120	365/435	460/385	305	320	365/435	460/385	310	320
	150	415/495	520/430	350	365	415/495	520/430	350	365
	185	475/570	585/485	395	410	475/570	585/485	400	410
	240	565/680	690/565	470	480	565/680	690/565	465	480
	300	645/780	775/640	535	540	645/780	775/640	535	540
	400	750/910	890/735	610	610	750/910	890/735	615	610
	500	865/1060	1010/840	700	695	865/1060	1010/840	705	695
	630	990/1230	1130/950	800	795	990/1230	1130/950	805	795
	800	1140/1440	1270/1080	930	920	1140/1440	1270/1080	935	920

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJV-12/20 kV YJV62-12/20 kV YJV22-12/20 kV YJV-18/20 kV YJV62-18/20 kV YJV22-18/20 kV	25	145/170	185/160	120	135	145/170	185/160	125	135
	35	175/205	225/190	150	160	175/205	225/190	150	160
	50	210/245	270/230	175	190	210/245	270/230	180	190
	70	260/310	330/280	220	235	260/310	330/280	220	235
	95	320/380	400/335	265	285	320/380	400/335	265	285
	120	370/440	460/385	305	320	370/440	460/385	310	320
	150	420/500	520/430	350	365	420/500	520/430	350	365
	185	480/570	585/490	395	410	480/570	585/490	400	410
	240	565/675	680/565	465	475	565/675	680/565	465	475
	300	650/780	775/640	530	535	650/780	775/640	535	535
	400	755/910	885/735	615	605	755/910	885/735	615	605
	500	865/1050	1000/835	705	695	865/1050	1000/835	700	690
	630	1000/1230	1140/960	810	800	1000/1230	1140/960	805	795
	800	1140/1420	1270/1080	945	935	1140/1420	1270/1080	935	925

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores		单芯（三角型敷设/平行敷设）Single core (laid in triangular shape / laid in parallel)		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJV-21/35 kV YJV62-21/35 kV YJV22-21/35 kV YJV-26/35 kV YJV62-26/35 kV YJV22-26/35 kV	25	150/170	185/160	125	135	150/170	185/160	125	135
	35	180/205	220/190	150	160	180/205	220/190	150	160
	50	215/250	260/225	180	190	215/250	260/225	180	190
	70	270/305	320/275	220	230	270/305	320/275	220	230
	95	330/375	390/335	265	275	330/375	390/335	265	275
	120	380/435	445/380	305	315	380/435	445/380	310	315
	150	430/490	500/425	345	355	430/490	500/425	350	355
	185	490/565	570/485	390	400	490/565	570/485	400	400
	240	575/665	665/565	455	460	575/665	665/565	465	460
	300	660/760	750/635	525	520	660/760	750/635	535	520
	400	765/890	865/730	600	590	765/890	865/730	615	590
	500	875/1030	980/830	690	680	875/1030	980/830	700	675
	630	1010/1200	1110/950	795	785	1010/1200	1110/950	805	780
	800	1150/1380	1250/1080	930	920	1150/1380	1250/1080	935	910

注 note：空气中环境温度 40℃；土壤中环境温度 25℃、热阻系数 1.0Ambient temperature in air 40℃; The ambient temperature in soil 25℃ and the thermal resistance coefficient is 1.0

铝芯电力电缆载流量（A）Aluminum Core Power Cable Capacity (A)

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯 single core		三芯 3 cores		单芯 single core		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJLV-3.6/6 kV YJLV62-3.6/6 kV YJLV22-3.6/6 kV	25	105	145	93	105	105	145	85	105
	35	130	175	110	125	130	175	110	125
	50	155	210	135	150	155	210	130	150
	70	195	260	170	185	195	260	165	185
	95	235	315	205	225	235	315	200	220
	120	275	360	235	255	275	360	235	255
	150	315	410	270	285	315	410	265	285
	185	360	465	310	325	360	465	305	325
	240	430	540	365	380	430	540	355	375
	300	495	615	420	425	495	615	410	425
	400	585	705	495	490	585	705	475	485
	500	685	810	585	575	685	810	550	560
	630	800	920	695	685	800	920	640	650
	800	930	1050	820	810	930	1050	760	765

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯 single core		三芯 3 cores		单芯 single core		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJLV-6/10 kV YJLV62-6/10 kV YJLV22-6/10 kV	25	110	145	95	105	110	145	85	105
	35	135	175	115	125	135	175	110	125
	50	160	210	135	150	160	210	130	150
	70	200	260	170	185	200	260	165	185
	95	245	315	205	220	245	315	200	220
	120	285	360	235	250	285	360	235	255
	150	320	405	270	280	320	405	265	285
	185	370	455	310	320	370	455	305	325
	240	440	535	370	375	440	535	355	375
	300	505	605	420	425	505	605	410	425
	400	590	705	485	485	590	705	475	485
	500	690	805	575	570	690	805	550	560
	630	800	920	675	670	800	920	640	650
	800	940	1050	805	795	940	1050	760	765

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯 single core		三芯 3 cores		单芯 single core		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJLV-8.7/15 kV YJLV62-8.7/15 kV YJLV22-8.7/15 kV	25	110	145	95	105	110	145	90	105
	35	135	175	115	125	135	175	115	125
	50	160	210	135	150	160	210	140	150
	70	200	260	170	185	200	260	170	185
	95	245	315	205	220	245	315	205	220
	120	285	360	235	250	285	360	240	250
	150	320	405	270	280	320	405	270	280
	185	370	455	310	320	370	455	310	320
	240	440	535	370	375	440	535	360	375
	300	505	605	420	425	505	605	420	425
	400	590	705	485	485	590	705	485	485
	500	690	805	575	570	690	805	565	570
	630	800	920	675	670	800	920	665	670
	800	940	1050	805	795	940	1050	795	795

电缆型号 Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 Steel tape armoured type cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯 single core		三芯 3 cores		单芯 single core		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJLV-18/20 kV YJLV62-18/20kV YJLV22-18/20kV	25	110	145	96	105	110	145	90	105
	35	135	175	115	125	135	175	115	125
	50	160	210	135	150	160	210	140	150
	70	200	255	170	185	200	255	170	185
	95	245	310	205	220	245	310	205	220
	120	285	345	235	250	285	345	240	250
	150	325	400	270	285	325	400	270	285
	185	375	455	310	320	375	455	310	320
	240	440	530	365	370	440	530	360	370
	300	510	605	415	420	510	605	420	420
	400	595	700	485	480	595	700	485	480
	500	690	795	575	570	690	795	565	560
	630	810	920	680	675	810	920	665	665
	800	940	1040	815	810	940	1040	795	795

电缆型号Type of cable	标称截面 nominal Cross section mm^2	非铠型电缆 non-armored cable				钢带铠装型电缆 Steel tape armoured type cable			
		单芯 single core		三芯 3 cores		单芯 single core		三芯 3 cores	
		空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil	空气 air	土壤 soil
YJLV-21/35 kV YJLV62-21/35kV YJLV22-21/35Kv YJLV-26/35 kV YJLV62-26/35kV YJLV22-26/35kV	25	115	140	98	105	115	140	90	105
	35	140	170	115	125	140	170	115	125
	50	170	200	140	145	170	200	140	145
	70	210	250	170	180	210	250	170	180
	95	255	300	205	215	255	300	205	215
	120	295	345	235	245	295	345	240	245
	150	330	395	270	275	330	395	270	275
	185	380	440	305	310	380	440	310	310
	240	450	515	355	360	450	515	360	360
	300	515	585	410	410	515	585	420	410
	400	600	680	470	465	600	680	485	465
	500	695	775	560	555	695	775	565	535
	630	810	895	665	660	810	895	665	625
	800	940	1020	800	795	940	1020	795	750

注 note：空气中环境温度 40℃；土壤中环境温度 25℃、热阻系数 1.0 Ambient temperature in the air 40℃; The ambient temperature in the soil is 25℃ and the thermal resistance coefficient is 1.0

环境温度不同时的载流量修正系数表 Table of correction coefficient of carrying current at different ambient temperature

导体工作温度 Conductor operating temperature ℃	空气中环境温度℃Ambient temperature in the air							
	20	25	30	35	40	45	50	55
90	1.23	1.17	1.12	1.06	1.00	0.94	0.87	0.81

导体工作温度 Conductor operating temperature ℃	土壤中环境温度℃Ambient temperature in soil							
	10	15	20	25	30	35	40	
90	1.11	1.07	1.04	1.00	0.96	0.92	0.88	

不同土壤热阻系数的载流量修正系数 Current-carrying correction coefficients of different soil thermal resistance coefficients

热阻系数 thermal resistivity ρ_w=（K*m/W）	1.0	1.2	1.5	2.0	2.5
校正系数 correction coefficient	1	0.93	0.85	0.75	0.67

电容：capacitance

导体标称截面 Nominal cross section of conductormm²	额定电压 Rated Voltage kV						
	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
	每相电容 Capacitance per phase μF/km						
25	0.274	0.217	0.177	0.155	0.126	0.116	0.108
35	0.301	0.237	0.193	0.168	0.135	0.124	0.115
50	0.340	0.266	0.215	0.186	0.148	0.135	0.125
70	0.384	0.298	0.240	0.207	0.163	0.148	0.137
95	0.431	0.333	0.266	0.229	0.178	0.161	0.149
120	0.475	0.366	0.291	0.249	0.193	0.173	0.160
150	0.517	0.396	0.315	0.268	0.206	0.185	0.170
185	0.567	0.433	0.343	0.291	0.222	0.199	0.183
240	0.615	0.485	0.382	0.324	0.245	0.219	0.200
300	0.631	0.531	0.416	0.352	0.264	0.236	0.215
400	0.662	0.591	0.462	0.390	0.291	0.258	0.235
500	0.695	0.658	0.513	0.431	0.319	0.283	0.257
630	0.782	0.740	0.575	0.482	0.355	0.314	0.285
800	0.881	0.833	0.645	0.540	0.391	0.345	0.312

单芯电缆电感：Single core cable inductance

导体标称截面 Nominal cross section of conductor mm^2	额定电压 Rated Voltage kV						
	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
	电感 electrical inductance mH/km						
25	0.577	0.593	0.612	--	--	--	--
35	0.559	0.574	0.592	0.607	--	--	--
50	0.534	0.549	0.566	0.581	0.614	0.635	0.649
70	0.514	0.527	0.544	0.559	0.596	0.610	0.623
95	0.497	0.511	0.525	0.539	0.575	0.589	0.601
120	0.482	0.495	0.511	0.524	0.558	0.572	0.583
150	0.473	0.485	0.499	0.523	0.545	0.557	0.569
185	0.461	0.473	0.494	0.510	0.531	0.544	0.554
240	0.449	0.466	0.479	0.494	0.514	0.526	0.535
300	0.450	0.456	0.468	0.483	0.501	0.512	0.522
400	0.440	0.445	0.456	0.469	0.486	0.497	0.506
500	0.438	0.440	0.451	0.463	0.479	0.497	0.504
630	0.429	0.431	0.440	0.452	0.467	0.483	0.491
800	0.421	0.422	0.432	0.442	0.456	0.471	0.478

三芯电缆电感：three cores cable electrical inductance

导体标称截面 Nominal cross section of conductor mm^2	额定电压 rated voltage kV						
	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
	电感 electrical inductance mH/km						
25	0.356	0.380	0.405	0.426	0.473	0.492	0.508
35	0.341	0.363	0.387	0.407	0.452	0.471	0.487
50	0.323	0.344	0.366	0.385	0.428	0.445	0.460
70	0.308	0.327	0.348	0.365	0.405	0.422	0.436
95	0.295	0.312	0.332	0.348	0.386	0.401	0.415
120	0.285	0.301	0.319	0.335	0.370	0.386	0.399
150	0.278	0.293	0.310	0.324	0.358	0.373	0.386
185	0.270	0.284	0.300	0.314	0.346	0.360	0.372
240	0.263	0.274	0.289	0.301	0.331	0.344	0.356
300	0.259	0.267	0.281	0.292	0.321	0.333	0.344
400	0.255	0.259	0.272	0.283	0.309	0.320	0.330
500	0.250	0.253	0.264	0.274	0.298	0.309	0.318
630	0.244	0.246	0.256	0.265	0.287	0.297	0.306
800	0.239	0.240	0.250	0.258	0.279	0.288	0.296

电缆安装时的最小弯曲半径：Minimum bending radius during cable installation:

	单芯电缆 single core cable		三芯电缆 three-core cable	
	无铠装 non-armored	有铠装 armoring	无铠装 non-armored	有铠装 armoring
安装时的电缆最小弯曲半径 Minimum bending radius of the cable during installation	20D	15D	15D	12D
靠近连接盒和终端时电缆最小弯曲半径 Near the connection box and terminal Minimum bending radius of the cable	15D	12D	12D	10D
注 note：D 为电缆外径 D is the outer diameter of the cable				

电缆装卸、运输、敷设要求：Cable loading and unloading, transportation, laying requirements

1、确认收货前应对电缆外观进行检查，确认电缆本体、两端封帽无擦伤、撞伤、压伤等破损现象，如有异常应及时联系我司，否则视为交付产品的外观质量符合要求。Before accepting the goods, the appearance of the cable should be checked to ensure that the cable body and the sealing caps at both ends are free from any damage such as scratches, bumps, or crush. If any abnormality occurs, please contact us in time. Otherwise, the appearance quality of the delivered products shall be deemed to meet the requirements.

2、电缆吊装、运输、敷设过程要妥善保护，电缆本体及两端封帽要确保无破损，防止雨水或其它有害气体、液体进入电缆内部，导致电缆电性能受到影响。光电复合电缆两端预留长度的光缆单元不能被单独施加外力、不能发生大于 45° 的弯折，防止光纤折断，难以接续。Cable shall be properly protected while hoisting, transportation, and in laying process, the cable and caps at both ends have to remain in good condition to prevent rain or other harmful gases, liquids into the cable, to affect cable electrical performance. The optical fiber power composite cable units with the reserved length at both ends cannot be applied by external forces alone or bend more than 45 degrees to prevent the optical fiber from being broken and difficult to connect.

3、电缆长时间存放处应干燥，避免长时间暴露于露天或潮湿地方，低烟无卤阻燃电缆(WDZ)、柔性防火电缆等产品不得长期处于露天环境下，以免因长期暴晒导致电缆护套颜色变化及护套机械性能收到影响。Cable should be stored in dry place,avoid long-term exposure to open air or humid places, low-smoke halogen-free flame retardant cable (WDZ), flexible fireproof cable should not be in open environment for a long time, so as to avoid cable sheath color fading and mechanical properties been affected.

4、电缆敷设前，应核对电缆型号、规格、额定电压是否正确，检验合格后方可允许敷设。Before laying the cable, model/type, specification and rated voltage of the cable should be check and confirmed.

5、安装敷设过程中，如因天气原因暂停敷设，电缆要放置于安全、干燥处，防止受到外力撞击，如电缆封帽已去掉，电缆端头应做好保护措施，防止湿气或雨水进入电缆内部。During the installation and laying, if suspended due to weather reasons, the cable should be placed in a safe and dry place to prevent external impact, if the cable cap has been removed, the cable end should take protective measures to prevent moisture or rain from entering the cable.

6、敷设时遇有中间接头、终端接头以及弯道处，应根据实际情况适当留有余量，以作为如后期电缆发生故障后备用。During laying, when comes to joints, couplings, ends or bended area, some cables should be reserved in case of maintenance in the future

7、电缆敷设过程中，为了防止弯曲过度而损坏，电缆的弯曲半径应符合国标 GB/T31840-2015 标准规定规定：In the process of cable laying, in order to prevent excessive bending and

damage, the bending radius of the cable should comply with the National Standard GB/T31840-2015

8、按国家标准要求，电缆敷设环境温度应不低于 0℃，寒冷季节敷设电缆时，敷设现场的温度低于 0℃时，应将电缆进行预先加热处理。敷设时间最好选择在环境温度较高时进行。According to the requirements of national standards, the ambient temperature of cable laying should not be lower than 0℃. When laying cables in cold season, when the temperature of the laying site is lower than 0℃, the cables should be pre-heated. It is recommend to laying in hot season

9、电缆施放时应按照电缆轴上箭头指示或图一所示电缆放线方向施放，切不可反方向滚动，以免因电缆松弛造成压线现象。The cable should be laid according to the direction of arrow shown on cable shaft or as shown in picture 1. Do not roll to the opposite direction to avoid compression caused by cable loosen.

10、电缆支架方式敷设时，支架设地点应选好，以敷设方便为准，一般应在电缆起止点附近为宜，应注意电缆轴的转动方向，电缆引出端应在轴的上方，见图二：When laying the cable support, the installation location should be selected, and the ease installation shall prevail. Generally, it should be near the starting and ending point of the cable. Attention should be paid to the rotation direction of the cable shaft, and the cable leading end should be above the shaft, as shown in picture 2:

图 一 Figure 1

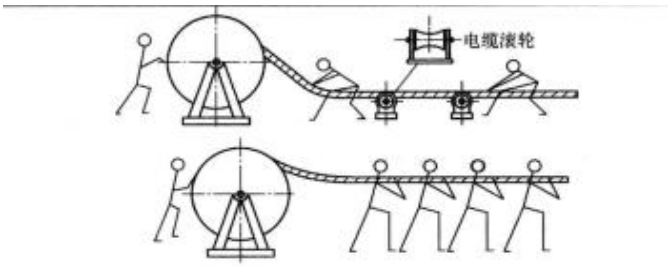
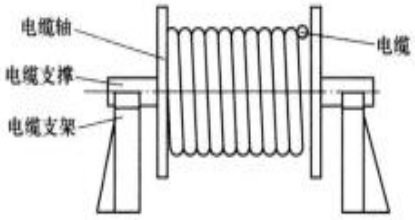


图 二 Figure 2



11、电缆可采用图一所示人力拉引或图三机械牵引方法敷设（符合国标 GB50618-2016）。The cable can be laid by manual pulling as shown in Figure 1 or mechanical pulling as shown in Figure 3 (in accordance with the national standard GB50618-2016).

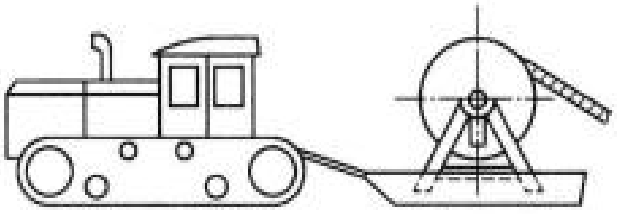


图 三 Figure 3