电力电缆
power cable

35kV及以下交联聚乙烯绝缘电力电缆
XLPE Insulation Power Cable of 35kv or Lower
0.6/1kV及以下聚氯乙烯绝缘及护套电力电缆
PVC Insulation & Sheath Power Cable of 0.6/1kv or Lower
通信电源用电力软电缆
Power Flexible Cable for Telecommunication Power supply Application
金属屏蔽电力电缆
Metal shielding Power Cable

35kV及以下交联聚乙烯绝缘电力电缆
35 kV or Lower Power Cable with XLPE Insulation

本产品适用于固定敷设在交流50Hz，额定电压35kV及以下的电力输配电线路上作输送电能用。与聚氯乙烯绝缘电力电缆相比，交联电力电缆产品不仅具有优异的电气性能、机械性能、耐热老化性能、耐环境应力和耐化学腐蚀性能的能力，而且结构简单，重量轻，不受敷设落差限制，长期工作温度高（90℃）等特点。

The cable is used to transmit power on the power transmission and distribution line of A.C. 50Hz, rated voltage 35 KV or lower. By comparison with power cable with PVC insulation, it has not only excellent electric performance, mechanical performance, heat & aging resistant performance, weather resistant performance, chemical corrosion resistant performance, but also simple structure, light weight, no restriction by laying drop, and high temperature allowance for long term working(90℃) as well.

一、生产执行标准

GB/T12706.1-2008~ GB/T12706.3-2008《额定电压1kV（Um=1.2 kV）到35kV（Um=40.5 kV）挤包绝缘电力电缆》，也可按用户需要，采用国际电工委员会IEC60502标准生产。

Executive standard

As section "extruded insulation power cable with rated voltage from 1kV (Um=1.2 kV) to 35kV (Um=40.5 kV)" stipulated in GB/T12706.1-2008~ GB/T12706.3-2008 or IEC60502 according to the requirement of the customer.

二、使用特点

1、电缆导体的允许长期最高工作温度为90℃。

2、短路时（最长持续时间不超过5秒）电缆导体的最高温度不超过250℃。

3、电缆敷设时的环境温度不得低于0℃。

4、电缆的最小弯曲半径：三芯电缆不小于电缆外径的15倍；单芯电缆不小于电缆外径的20倍。

5、电缆的工频额定电压U0/U为0.6/1kV~26/35kV。

U0：电缆设计用的导体对地或金属屏蔽之间的额定工频电压，称相电压；

U：电缆设计用的导体间的额定工频电压，称线电压；

Um：设备可承受的"最高系统电压"的最大值。

Working Condition

1、Long-term working temperature by cable conductor is 90℃.

2、Max. temperature of cable conductor shall be no more than 250℃ during short circuit (the longest lasting time shall be no more than 5 seconds).

3、Environment temperature for installation is no less than 0℃.

4、Min bending radium of cable:

It is no less than 15 times that of cable outer diameter for cable with three cores.

It is no less than 20 times that of cable outer diameter for cable with single core.

5、A.C. rated voltage U0/U of cable is 0.6/1kV~26/35kV.

U0: rated A.C. voltage of conductor to earth OR between metallic shielding for cable designing, which is called phrase voltage.

U: rated A.C. voltage between conductors for cable designing, which is called wire voltage.

Um: Max endurable value of "Max system voltage" for cable

三、电缆型号名称及适用场合

Type, Description and Application Occasion

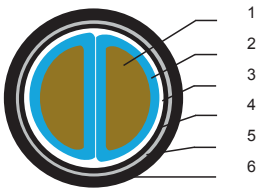
型号 Type		名称 Description	适用场合 Application occasion
铜Cu	铝Al		
YJV	YJLV	交联聚乙烯绝缘聚氯乙烯护套电力电缆 Power cable with XLPE insulation, PVC sheath	敷设在室内、隧道、电缆沟及管道中，也可埋在松散的土壤中，电缆不能承受机械外力作用。单芯电缆不允许敷设在磁性管道中。To be laid indoors, in the tunnel, cable furrow, pipe or under soft soil. The cable can not bear mechanical force from outside. Single core cable isn't permitted to be laid in the magnetic pipe.
YJY	YJLY	交联聚乙烯绝缘聚乙烯护套电力电缆Power cable with XLPE insulation, PE sheath	
YJV22	YJLV22	交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆.Power cable with XLPE insulation, steel tape armor, PVC sheath	直埋敷设在地下（埋设深度：距地面≥0.7m），电缆能承受一定机械外力作用，但不能承受大的拉力。 To be laid underground(depth of burying: at least 0.7m above earth), the cable can bear certain mechanical force, but it can not bear great pulling force.
YJV23	YJLV23	交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆.Power cable with XLPE insulation steel tape armored PE sheath	

备注：1、可根据用户需要，提供钢丝铠装型交联力缆，如：YJV32、YJLV32、YJV33、YJLV33。
2、需要阻燃型电缆，应在原型号前加“ZR-”表示。

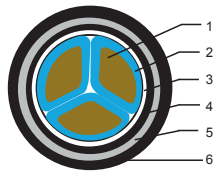
Note:1: We also produce steel wire armored cross-linked power cable such as YJV32、YJLV32、YJV33、YJLV33 according to the requirement of the customer.
2: Prefix “ZR” (flame retardant type) shall be added to the original type when flame retardant type cable is needed.

四、电缆结构示意图

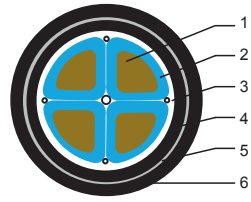
The Figure of Cable Structure



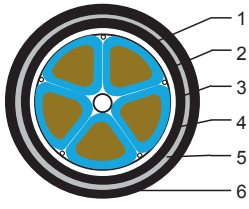
1kv 2芯铠装电缆 (≥35mm²)
1kv 2 cores armored cable(≥35mm²)



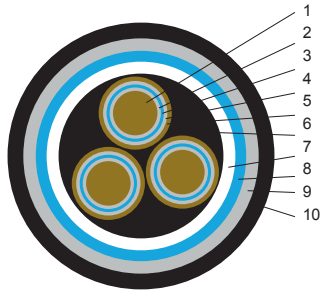
1kv 3芯铠装电缆 (≥50mm²)
1kv 3 cores armored cable(≥50mm²)



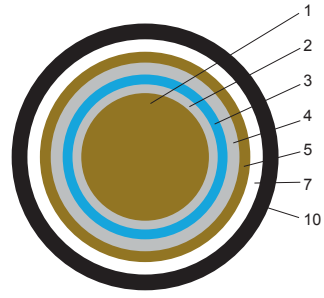
1kv 4芯铠装电缆 (≥50mm²)
1kv 4 cores armored cable(≥50mm²)



1kv 5芯铠装电缆 (≥70mm²)
1kv 5 cores armored cable(≥70mm²)



3.6/6kV及以上3芯铠装电缆
3.6/6kV or above armored cable with three cores



3.6/6kV及以上单芯电缆
3.6/6kV or above cable with single core

1-导体 2-绝缘 3-绕包层 4-内衬层 5-铠装层 6-外护套
1. conductor 2. insulation 3. wrapping layer 4. inner layer
5. armored layer 6. outer sheath

1-导体 2-内屏蔽3-绝缘4-外屏蔽5-金属屏蔽6-填充7-绕包层8-内衬层9-铠装层10-外护套
1.conductor 2.inner shielding 3.insulation 4.outer shielding
5.metallic shielding 6.filling 7.wrapped layer 8. inner layer
9.armored layer 10. outer sheath

五、生产范围

Production Scope

型号 Type		芯数 Core No.	额定电压（kV） Rated voltage								
铜Cu	铝Al		0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/20 18/30	21/35	26/35
YJV YJY	YJLV YJLY	1	1.5~800	10~630	25~630	25~630	25~630	35~630	50~630	50~630	50~630
		3	1.5~300	10~300	25~300	25~300	25~300	35~300	50~300	50~300	50~300
		2	1.5~240	10~150	/	/	/	/	/	/	/
		3+1	4~300	10~300	/	/	/	/	/	/	/
		3+2 4+1	50~240	/	/	/	/	/	/	/	/
		5	1.5~150	/	/	/	/	/	/	/	/
YJV22 YJV23	YJLV22 YJLV23	1	1.5~800	10~630	25~630	25~630	25~630	35~630	50~630	50~630	50~630
		3	2.5~300	10~240	25~300	25~300	25~300	35~300	50~300	50~300	50~300
		2	4~150	10~150	/	/	/	/	/	/	/
		3+1	4~300	10~240	/	/	/	/	/	/	/
		3+2 4+1	50~240	/	/	/	/	/	/	/	/
		5	2.5~150	/	/	/	/	/	/	/	/

六、电缆外径尺寸　　OD Size of Cable(OD: outer diameter)

YJV-0.6/1kV、YJLV-0.6/1kV table 1

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度mm insulated thickness	护套厚度mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*1.5	0.7	1.4	5.6		/
1*2.5	0.7	1.4	6.0	68	/
1*4	0.7	1.4	6.5	87	/
1*6	0.7	1.4	7.0	110	/
1*10	0.7	1.4	8.2	115	95
1*16	0.7	1.4	9.3	220	120
1*25	0.9	1.4	11.0	345	190
1*35	0.9	1.4	12.0	424	207
1*50	1.0	1.4	13.8	554	245
1*70	1.1	1.4	16.2	770	336
1*95	1.1	1.5	17.2	1040	455
1*120	1.2	1.5	19.1	1290	550
1*150	1.4	1.6	21.2	1575	642
1*185	1.6	1.7	23.1	1929	798
1*240	1.7	1.8	26.0	2500	1016
1*300	1.8	1.9	28.4	3056	1230
1*400	2.0	2.0	33.1	3622	1446
1*500	2.2	2.2	37.8	4950	1845
1*630	2.4	2.2	41.6	6576	3067
1*800	2.6	2.3	46.5	8245	2540

YJV-0.6/1kV、YJLV-0.6/1kV Table 2

芯数*导体标称截面mm² core no. * nominal cross section area of conductor	绝缘厚度mm insulated thickness	护套厚度mm sheath thickness	电缆近似外径mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
2*1.5	0.7	1.8	9.7	103	/
2*2.5	0.7	1.8	10.6	131	/
2*4	0.7	1.8	11.5	168	118
2*6	0.7	1.8	12.6	216	142
2*10	0.7	1.8	15.2	328	189
2*16	0.7	1.8	17.3	461	245
2*25	0.9	1.8	20.0	659	329
2*35	0.9	1.8	22.0	868	413
2*50	1.0	1.8	19.8	1116	489
2*70	1.1	1.8	22.2	1514	644
2*95	1.1	1.9	25.2	2017	830
2*120	1.2	2.0	28.0	2526	1026
2*150	1.4	2.1	31.2	3139	1286
2*185	1.6	2.3	34.2	3967	1773
2*240	1.7	2.4	38.0	5053	2207

YJV-0.6/1kV、YJLV-0.6/1kV Table 3

芯数*导体标称截面mm² core no. * nominal cross section area of conductor	绝缘厚度mm Insulated thickness	护套厚度mm sheath thickness	电缆近似外径mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*1.5	0.7	1.8	10.0	145	/
3*2.5	0.7	1.8	10.8	185	/
3*4	0.7	1.8	11.8	250	175
3*6	0.7	1.8	12.9	320	210
3*10	0.7	1.8	15.7	450	260
3*16	0.7	1.8	18.0	640	340
3*25	0.9	1.8	20.8	940	470
3*35	0.9	1.8	22.9	1260	600
3*50	1.0	1.8	22.6	1670	730
3*70	1.1	1.8	26.5	2280	970
3*95	1.1	2.0	29.8	3020	1240
3*120	1.2	2.1	33.0	3795	1540
3*150	1.4	2.2	36.6	4750	1940
3*185	1.6	2.4	41.6	5654	2248
3*240	1.7	2.6	46.4	7243	2723
3*300	1.8	2.7	50.6	8832	3218

YJV-0.6/1kV、YJLV-0.6/1kV Table 4

芯数*导体标称截面mm² core no. * nominal cross section area of conductor	绝缘厚度mm Insulated thickness	护套厚度mm sheath thickness	电缆近似外径mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
4*1.5	0.7	1.8	10.6	139	84
4*2.5	0.7	1.8	11.5	150	107
4*4	0.7	1.8	12.8	253	151
4*6	0.7	1.8	14.0	337	198
4*10	0.7	1.8	17.0	501	291
4*16	0.7	1.8	19.6	778	455
4*25	0.9	1.8	22.8	1160	696
4*35	0.9	1.8	25.2	1554	905
4*50	1.0	1.8	27.0	2148	1235
4*70	1.1	1.9	31.0	2928	1640
4*95	1.1	2.1	34.6	3954	2294
4*120	1.2	2.3	39.0	4925	2865
4*150	1.4	2.4	42.4	6238	3618
4*185	1.6	2.5	48.0	7562	4395
4*240	1.7	2.8	51.2	9660	5603
4*300	1.8	3.0	59.8	11758	6585

YJV-0.6/1kV、YJLV-0.6/1kV Table 5

芯数*导体标称截面mm² core no. * nominal cross section area of conductor	绝缘厚度mm Insulated thickness	护套厚度 Mm sheath thickness	电缆近似外径mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*4+1*2.5	0.7	1.8	12.3	236	180
3*6+1*4	0.7	1.8	13.5	316	210
3*10+1*6	0.7	1.8	16.6	460	380
3*16+1*10	0.7	1.8	19.2	679	375
3*25+1*16	0.9	1.8	22.4	1065	586
3*35+1*16	0.9	1.8	24.6	1368	821
3*50+1*25	1.0	1.8	27.0	1901	1141
3*70+1*35	1.1	1.9	31.0	2585	1463
3*95+1*50	1.1	2.0	35.2	3718	2231
3*120+1*70	1.2	2.1	39.0	4443	2665
3*150+1*70	1.4	2.3	41.8	5326	3190
3*185+1*95	1.6	2.4	47.0	6628	3842
3*240+1*120	1.7	2.6	52.6	8501	5001
3*300+1*150	1.8	2.8	57.9	10320	5679

YJV-0.6/1kV、YJLV-0.6/1kV Table 6

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度mm 相/副 Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*50+2*25	1.0/0.9	1.8	27.7	2155	953
3*70+2*35	1.1/0.9	2.0	32.2	2960	1278
3*95+2*50	1.1/1.0	2.1	36.3	3967	1654
3*120+2*70	1.2/1.1	2.3	40.7	5106	2102
3*150+2*70	1.4/1.1	2.4	43.5	5990	2445
3*185+2*95	1.6/1.1	2.5	48.0	7495	3019
3*240+2*120	1.7/1.2	2.7	53.4	9548	3781

YJV-0.6/1kV、YJLV-0.6/1kV Table 7

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度mm 相/副 Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
4*50+1*25	1.0/0.9	1.9	29.0	2406	1055
4*70+1*35	1.1/0.9	2.1	33.9	3312	1419
4*95+1*50	1.1/1.0	2.2	38.0	4410	1826
4*120+1*70	1.2/1.1	2.3	41.9	5569	2265
4*150+1*70	1.4/1.1	2.4	45.4	6755	2729
4*185+1*95	1.6/1.1	2.6	50.3	8379	3363
4*240+1*120	1.7/1.2	2.8	56.0	10726	4237

YJV-0.6/1kV、YJLV-0.6/1kV Table 8

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
5*1.5	0.7	1.8	11.4	182	/
5*2.5	0.7	1.8	12.5	239	/
5*4	0.7	1.8	13.8	341	200
5*6	0.7	1.8	15.0	448	252
5*10	0.7	1.8	18.5	677	372
5*16	0.7	1.8	21.3	1000	512
5*25	0.9	1.8	26.0	1504	742
5*35	0.9	1.9	29.5	2027	958
5*50	1.0	1.9	31.4	2815	1233
5*70	1.1	2.1	36.8	3881	1667
5*95	1.1	2.3	41.4	5155	2149
5*120	1.2	2.4	44.8	6400	2606
5*150	1.4	2.5	49.6	7967	3222

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 9

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm Sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*10	0.7	1.8	12.0	290	230
1*16	0.7	1.8	13.1	366	270
1*25	0.9	1.8	14.8	487	335
1*35	0.9	1.8	15.9	600	388
1*50	1.0	1.8	18.3	768	465
1*70	1.1	1.8	20.0	993	566
1*95	1.1	1.8	21.5	1255	676
1*120	1.2	1.8	24.2	4003	788
1*150	1.4	1.8	25.6	1840	924
1*185	1.6	1.9	27.8	2223	1092
1*240	1.7	2.0	30.6	2790	1326
1*300	1.8	2.1	33.4	3400	1570
1*400	2.0	2.2	37.8	4445	1977
1*500	2.2	2.4	42.6	5605	2457
1*630	2.4	2.3	46.2	7650	3580
1*800	2.6	2.5	51.2	9480	4286

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 10

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
2*4	0.7	1.8	14.5	366	/
2*6	0.7	1.8	15.6	432	/
2*10	0.7	1.8	18.2	590	472
2*16	0.7	1.8	20.3	763	574
2*25	0.9	1.8	23.0	1001	721
2*35	0.9	1.8	25.0	1250	854
2*50	1.0	1.8	21.8	1535	1002
2*70	1.1	1.9	25.7	1985	1282
2*95	1.1	2.0	28.7	2838	1872
2*120	1.2	2.1	31.5	3445	2203
2*150	1.4	2.3	34.7	4165	2637
2*185	1.6	2.4	38.2	5202	3187
2*240	1.7	2.6	42.0	6445	3932

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 11

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*2.5	0.7	1.8	13.8	408	/
3*4	0.7	1.8	14.8	505	420
3*6	0.7	1.8	15.9	597	473
3*10	0.7	1.8	18.7	756	571
3*16	0.7	1.8	21.0	983	691
3*25	0.9	1.8	23.8	1343	895
3*35	0.9	1.8	25.9	1721	1086
3*50	1.0	1.9	26.1	2173	1262
3*70	1.1	2.0	30.0	3143	1869
3*95	1.1	2.1	33.3	3979	2237
3*120	1.2	2.2	36.5	4844	2622
3*150	1.4	2.4	40.6	5972	3172
3*185	1.6	2.5	45.6	6941	3595
3*240	1.7	2.7	50.4	8699	4362
3*300	1.8	2.9	55.1	10422	5210

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 12

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
4*1.5	0.7	1.8	13.6	298	/
4*2.5	0.7	1.8	14.5	311	/
4*4	0.7	1.8	15.8	479	383
4*6	0.7	1.8	17.0	586	444
4*10	0.7	1.8	20.0	800	579
4*16	0.7	1.8	22.6	1138	764
4*25	0.9	1.8	25.8	1598	1015
4*35	0.9	1.9	28.7	2049	1232
4*50	1.0	2.0	30.5	2583	1443
4*70	1.1	2.1	34.5	3717	2136
4*95	1.1	2.3	38.6	4768	2592
4*120	1.2	2.4	43.0	5759	3029
4*150	1.4	2.5	46.4	7173	3694
4*185	1.6	2.7	52.5	8513	4292
4*240	1.7	2.9	55.7	10641	5208
4*300	1.8	3.1	64.8	12699	6047

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 13

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*4+1*2.5	0.7	1.8	15.3	472	/
3*6+1*4	0.7	1.8	16.5	579	/
3*10+1*6	0.7	1.8	19.6	762	548
3*16+1*10	0.7	1.8	22.2	1034	705
3*25+1*16	0.9	1.8	25.4	1510	970
3*35+1*16	0.9	1.8	27.6	1865	1139
3*50+1*25	1.0	1.9	30.5	2431	1377
3*70+1*35	1.1	2.0	34.5	3502	2037
3*95+1*50	1.1	2.2	39.2	4823	2656
3*120+1*70	1.2	2.3	43.0	5625	3009
3*150+1*70	1.4	2.4	45.8	6592	3441
3*185+1*95	1.6	2.6	51.5	8045	4087
3*240+1*120	1.7	2.8	57.1	10120	4991
3*300+1*150	1.8	3.0	62.9	11971	5700

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 14

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度mm 相/副 Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*50+2*25	1.0/0.9	2.0	31.2	2758	1558
3*70+2*35	1.1/0.9	2.1	35.7	3996	2323
3*95+2*50	1.1/1.0	2.3	40.3	5157	2834
3*120+2*70	1.2/1.1	2.4	44.7	6485	3468
3*150+2*70	1.4/1.1	2.5	47.5	7428	3869
3*185+2*95	1.6/1.1	2.7	52.5	9069	4604
3*240+2*120	1.7/1.2	2.9	57.9	11362	5597

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 15

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度mm 相/副Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
4*50+1*25	1.0/0.9	2.0	32.5	3080	1721
4*70+1*35	1.1/0.9	2.2	37.9	4471	2570
4*95+1*50	1.1/1.0	2.4	42.0	5733	3116
4*120+1*70	1.2/1.1	2.4	45.9	7073	3723
4*150+1*70	1.4/1.1	2.5	49.9	8376	4318
4*185+1*95	1.6/1.1	2.8	54.8	10139	5121
4*240+1*120	1.7/1.2	3.0	61.0	12764	6257

YJV22-0.6/1kV、YJLV22-0.6/1kV Table 16

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximated outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
5*2.5	0.7	1.8	15.5	485	/
5*4	0.7	1.8	16.8	610	469
5*6	0.7	1.8	18.0	744	550
5*10	0.7	1.8	21.5	1036	731
5*16	0.7	1.8	24.3	1410	922
5*25	0.9	1.9	29.5	2015	1252
5*35	0.9	2.0	33.0	2596	1527
5*50	1.0	2.1	34.9	3322	1815
5*70	1.1	2.2	40.8	4791	2686
5*95	1.1	2.4	45.4	6149	3293
5*120	1.2	2.5	49.3	7396	3820
5*150	1.4	2.6	54.1	9024	4560

YJV-3.6/6kV、YJLV-3.6/6kV Table 17

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*25	2.5	1.6	18.1	565	392
1*35	2.5	1.6	19.0	687	483
1*50	2.5	1.6	20.3	869	555
1*70	2.5	1.7	22.1	1090	656
1*95	2.5	1.7	23.7	1364	767
1*120	2.5	1.8	25.3	1625	879
1*150	2.5	1.8	27.1	1940	1000
1*185	2.5	1.9	28.8	2313	1151
1*240	2.6	2.0	31.3	2885	1382
1*300	2.8	2.1	34.1	3528	1654
1*400	3.0	2.2	37.8	4640	2155
1*500	3.2	2.3	41.3	5735	2634
1*630	3.2	2.3	46.7	7050	3140

YJV-3.6/6kV、YJLV-3.6/6kV Table 18

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*25	2.5	2.1	36.0	1763	1284
3*35	2.5	2.2	38.0	2150	1526
3*50	2.5	2.3	41.2	2720	1754
3*70	2.5	2.4	44.7	3423	2112
3*95	2.5	2.5	48.7	4297	2490
3*120	2.5	2.6	51.7	5135	2883
3*150	2.5	2.8	55.5	6165	3300
3*185	2.5	2.9	58.9	7332	3867
3*240	2.6	3.0	64.7	9146	4628
3*300	2.8	3.2	70.6	11184	5540

YJV22-3.6/6kV、YJLV22-3.6/6kV Table 19

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*25	2.5	1.8	21.9	706	553
1*35	2.5	1.8	22.7	831	613
1*50	2.5	1.8	24.0	999	694
1*70	2.5	1.8	25.8	1232	800
1*95	2.5	1.8	27.4	1500	928
1*120	2.5	1.9	29.0	1788	1055
1*150	2.5	2.0	31.6	2270	1340
1*185	2.5	2.0	33.4	2637	1496
1*240	2.6	2.1	36.0	3202	1741
1*300	2.8	2.2	38.7	3846	2001
1*400	3.0	2.3	42.7	4872	2435
1*500	3.2	2.4	46.2	5907	2845
1*630	3.2	2.5	52.0	7560	3500

YJV22-3.6/6kV、YJLV22-3.6/6kV Table 20

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*25	2.5	2.3	40.5	2767	2273
3*35	2.5	2.3	42.7	3226	2638
3*50	2.5	2.4	46.0	4690	2912
3*70	2.5	2.6	49.7	4518	3358
3*95	2.5	2.7	53.7	5500	3860
3*120	2.5	2.8	56.8	6419	4353
3*150	2.5	2.9	60.6	7521	4818
3*185	2.5	3.0	64.4	8725	5490
3*240	2.6	3.2	70.2	10883	6387
3*300	2.8	3.3	76.2	13197	7645

YJV-6/6kV, 6/10kV、YJLV-6/6kV, 6/10kV Table 21

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*25	3.4	1.8	20.3	644	482
1*35	3.4	1.8	21.4	769	541
1*50	3.4	1.8	22.7	926	614
1*70	3.4	1.8	24.3	1158	717
1*95	3.4	1.8	25.9	1456	839
1*120	3.4	1.8	27.4	1684	940
1*150	3.4	1.8	29.0	2020	1082
1*185	3.4	1.9	30.8	2391	1228
1*240	3.4	2.0	33.2	2940	1450
1*300	3.4	2.0	36.2	3678	1769
1*400	3.4	2.2	37.9	4565	2119
1*500	3.4	2.3	41.9	5680	2537
1*630	3.4	2.3	47.2	6978	3020

YJV-6/6kV, 6/10kV、YJLV-6/6kV, 6/10kV Table 22

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*25	3.4	2.2	39.4	1967	1479
3*35	3.4	2.3	42.0	2381	1693
3*50	3.4	2.4	45.0	2892	1951
3*70	3.4	2.5	48.7	3632	2303
3*95	3.4	2.6	52.3	4615	2755
3*120	3.4	2.7	55.7	5361	3118
3*150	3.4	2.8	59.4	6395	3567
3*185	3.4	2.9	63.0	7634	4128
3*240	3.4	3.1	68.2	9342	4850
3*300	3.4	3.3	75.0	11600	5844

YJV22-6/6kV, 6/10kV、YJLV22-6/6kV, 6/10kV Table 23

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*25	3.4	1.8	23.3	966	805
1*35	3.4	1.8	24.5	1107	882
1*50	3.4	1.8	25.8	1287	970
1*70	3.4	1.8	28.4	1540	1097
1*95	3.4	1.9	29.4	1863	1242
1*120	3.4	1.9	30.9	2355	1617
1*150	3.4	2.0	33.2	2727	1807
1*185	3.4	2.1	35.0	3156	2002
1*240	3.4	2.2	38.7	3733	2277
1*300	3.4	2.3	41.9	4524	2654
1*400	3.4	2.4	45.3	5432	3030
1*500	3.4	2.5	48.7	6588	3500
1*630	3.4	2.5	52.5	8432	4270

YJV22-6/6kV, 6/10kV、YJLV22-6/6kV, 6/10kV Table 24

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*25	3.4	2.4	44.7	3097	2609
3*35	3.4	2.5	47.5	3576	2888
3*50	3.4	2.5	50.6	4191	3250
3*70	3.4	2.7	54.3	5056	3727
3*95	3.4	2.8	58.2	6112	4252
3*120	3.4	2.9	61.3	6979	4736
3*150	3.4	3.0	65.5	8175	5347
3*185	3.4	3.1	69.0	9513	6007
3*240	3.4	3.3	74.3	11368	6876
3*300	3.4	3.5	81.0	13888	8132

YJV-8.7/10kV, 8.7/15kV、YJLV-8.7/10kV, 8.7/15kV Table 25

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*25	4.5	1.8	22.7	730	568
1*35	4.5	1.8	23.8	858	630
1*50	4.5	1.8	25.0	1020	708
1*70	4.5	1.8	26.6	1256	815
1*95	4.5	1.8	28.5	1561	944
1*120	4.5	1.8	30.0	1805	1061
1*150	4.5	1.8	31.4	2136	1198
1*185	4.5	1.9	33.4	2526	1363
1*240	4.5	2.0	35.8	3084	1594
1*300	4.5	2.1	38.6	3817	1908
1*400	4.5	2.2	42.0	4735	2289
1*500	4.5	2.3	44.6	5850	2720
1*630	4.5	2.4	49.5	7162	3220

YJV-8.7/10kV, 8.7/15kV、YJLV-8.7/10kV, 8.7/15kV Table 26

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*25	4.5	2.4	45.4	2276	1788
3*35	4.5	2.5	47.8	2703	2015
3*50	4.5	2.6	50.7	3239	2298
3*70	4.5	2.7	54.3	4008	2679
3*95	4.5	2.8	57.6	4989	3129
3*120	4.5	2.9	61.3	5744	3501
3*150	4.5	3.0	64.6	6868	4040
3*185	4.5	3.1	68.3	8094	4588
3*240	4.5	3.3	73.5	9877	5269
3*300	4.5	3.4	80.2	12184	6428

YJV22-8.7/10kV, 8.7/15kV、YJLV22-8.7/10kV, 8.7/15kV Table 27

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*25	4.5	1.8	25.9	964	795
1*35	4.5	1.8	27.0	1098	875
1*50	4.5	1.8	28.2	1275	962
1*70	4.5	1.8	29.8	1532	1092
1*95	4.5	1.9	31.7	1857	1236
1*120	4.5	1.9	33.6	2364	1623
1*150	4.5	2.0	35.2	2734	1797
1*185	4.5	2.1	38.4	3157	2004
1*240	4.5	2.2	40.8	3731	2263
1*300	4.5	2.2	44.0	4504	2613
1*400	4.5	2.4	47.6	5445	3044
1*500	4.5	2.4	50.7	6610	3508
1*630	4.5	2.6	54.8	8460	4245

YJV22-8.7/10kV, 8.7/15kV、YJLV22-8.7/10kV, 8.7/15kV Table 28

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*25	4.5	2.5	50.2	3575	3087
3*35	4.5	2.6	52.6	4096	3408
3*50	4.5	2.7	55.4	4713	3772
3*70	4.5	2.8	59.3	5608	4279
3*95	4.5	2.9	63.0	6692	4832
3*120	4.5	3.1	67.0	7572	5329
3*150	4.5	3.2	70.7	8834	6006
3*185	4.5	3.3	74.3	10166	6660
3*240	4.5	3.4	79.5	12064	7572
3*300	4.5	3.6	86.8	15628	9872

YJV-12/20kV、YJLV-12/20kV Table 29

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*25	5.5	1.8	24.5	820	658
1*35	5.5	1.8	25.6	951	723
1*50	5.5	1.8	26.9	1118	806
1*70	5.5	1.8	28.5	1372	931
1*95	5.5	1.9	30.3	1683	1066
1*120	5.5	1.9	31.8	1934	1190
1*150	5.5	2.0	33.6	2269	1331
1*185	5.5	2.0	35.2	2667	1504
1*240	5.5	2.1	37.6	3216	1726
1*300	5.5	2.2	40.8	3977	2068
1*400	5.5	2.3	44.0	4888	2442
1*500	5.5	2.4	47.2	5914	2880
1*630	5.5	2.5	51.7	7216	3390

YJV-12/20kV、YJLV-12/20kV Table 30

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
3*25	5.5	2.5	49.2	2615	2127
3*35	5.5	2.6	51.8	3029	2341
3*50	5.5	2.7	54.9	3592	2651
3*70	5.5	2.8	58.4	4378	3049
3*95	5.5	2.9	62.2	5376	3516
3*120	5.5	3.0	65.6	6243	4000
3*150	5.5	3.1	69.3	7324	4496
3*185	5.5	3.3	73.2	8586	5080
3*240	5.5	3.4	78.0	10368	5876

YJV22-12/20kV、YJLV22-12/20kV Table 31

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*25	5.5	1.8	27.3	1279	1132
1*35	5.5	1.9	28.7	1436	1200
1*50	5.5	1.9	30.0	1565	1249
1*70	5.5	2.0	32.0	1838	1387
1*95	5.5	2.1	34.2	2188	1567
1*120	5.5	2.1	35.5	2436	1702
1*150	5.5	2.2	38.6	2813	1876
1*185	5.5	2.2	40.2	3227	2076
1*240	5.5	2.2	42.4	3795	2330
1*300	5.5	2.3	46.0	4653	2792
1*400	5.5	2.4	49.3	5475	3101
1*500	5.5	2.5	52.4	6505	3542
1*630	5.5	2.7	57.0	8260	4215

YJV22-12/20kV、YJLV22-12/20kV Table 32

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22	YJLV22
3*25	5.5	2.7	54.1	4035	3547
3*35	5.5	2.8	57.2	4524	3836
3*50	5.5	2.9	60.2	5196	4255
3*70	5.5	3.0	63.7	6082	4753
3*95	5.5	3.1	67.5	7242	5382
3*120	5.5	3.2	70.9	8208	5965
3*150	5.5	3.3	74.8	9392	6564
3*185	5.5	3.4	78.5	10760	7254
3*240	5.5	3.6	85.0	13713	9221

YJV-18/30kV、YJLV-18/30kV Table 33

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*50	8.0	2.0	33.0	1498	1185
1*70	8.0	2.1	34.9	1784	1322
1*95	8.0	2.1	36.5	2121	1482
1*120	8.0	2.2	38.1	2379	1630
1*150	8.0	2.2	40.1	2723	1784
1*185	8.0	2.3	41.5	3147	1985
1*240	8.0	2.3	43.7	3698	2209
1*300	8.0	2.4	46.1	4534	2606
1*400	8.0	2.5	49.4	5377	2930
1*500	8.0	2.6	52.6	6328	3370
1*630	8.0	2.7	57.2	7910	4044

YJV22-18/30kV、YJLV22-18/30kV Table 34

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*50	8.0	2.2	38.3	1972	1661
1*70	8.0	2.2	40.0	2261	1803
1*95	8.0	2.3	41.8	2647	2006
1*120	8.0	2.3	43.2	2923	2179
1*150	8.0	2.4	45.0	3319	2364
1*185	8.0	2.5	47.2	3743	2595
1*240	8.0	2.5	49.4	4364	2889
1*300	8.0	2.6	51.8	5211	3322
1*400	8.0	2.7	55.1	6077	3690
1*500	8.0	2.8	58.7	7156	4144
1*630	8.0	2.9	62.8	8945	4807

YJV-21/35kV、YJLV-21/35kV Table 35

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*50	9.3	2.1	36.4	1625	1313
1*70	9.3	2.1	38.0	1888	1447
1*95	9.3	2.2	39.8	2236	1619
1*120	9.3	2.2	41.3	2494	1750
1*150	9.3	2.3	43.1	2870	1932
1*185	9.3	2.3	44.7	3274	2111
1*240	9.3	2.4	47.1	3876	2386
1*300	9.3	2.5	49.5	4611	2702
1*400	9.3	2.6	52.8	5563	3117
1*500	9.3	2.7	56.0	6700	3580
1*630	9.3	2.8	59.9	8576	4296

YJV22-21/35kV、YJLV22-21/35kV Table 36

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*50	9.3	2.3	41.1	2421	2101
1*70	9.3	2.3	42.8	2737	2286
1*95	9.3	2.4	44.6	3130	2509
1*120	9.3	2.4	46.4	3392	2660
1*150	9.3	2.5	48.2	3817	2898
1*185	9.3	2.5	49.8	4289	3103
1*240	9.3	2.6	52.2	4923	3436
1*300	9.3	2.7	54.6	5764	3837
1*400	9.3	2.8	58.3	6731	4333
1*500	9.3	2.9	61.5	7973	4869
1*630	9.3	3.0	65.7	10045	5745

YJV-26/35kV、YJLV-26/35kV Table 37

芯数*导体标称截面 mm² core no. * nominal cross section area of conductor	绝缘厚度 mm Insulated thickness	护套厚度 mm sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV	YJLV
1*50	10.5	2.2	38.4	1803	1491
1*70	10.5	2.2	40.1	2071	1630
1*95	10.5	2.3	41.9	2419	1802
1*120	10.5	2.3	43.3	2692	1948
1*150	10.5	2.4	45.1	3077	2139
1*185	10.5	2.4	46.7	3487	2324
1*240	10.5	2.5	49.1	4100	2610
1*300	10.5	2.6	51.5	4843	2934
1*400	10.5	2.7	54.8	5810	3364
1*500	10.5	2.8	59.4	7138	4009
1*630	10.5	2.9	62.5	8552	4605

YJV22-26/35kV、YJLV22-26/35kV Table 38

芯数*导体标称截面 mm² Core no.* nominal cross section area of cable	绝缘厚度 mm Insulated thickness	护套厚度 mm Sheath thickness	电缆近似外径 mm approximate outer diameter of cable	电缆近似重量kg/km approximated weight of cable	
				YJV22*	YJLV22*
1*50	10.5	2.3	43.5	2705	2400
1*70	10.5	2.4	45.4	3023	2575
1*95	10.5	2.5	47.6	3387	2757
1*120	10.5	2.5	49.0	3661	2902
1*150	10.5	2.6	50.8	4092	3144
1*185	10.5	2.6	52.4	4533	3369
1*240	10.5	2.7	54.8	5248	3732
1*300	10.5	2.8	57.6	6005	4107
1*400	10.5	2.9	60.9	6449	4575
1*500	10.5	3.0	65.2	8423	5332
1*630	10.5	3.1	68.3	10276	6132

*用于交流系统的单芯铠装电缆的铠装层应采用非磁性金属带绕包，单芯钢丝铠装电缆应采用隔磁措施。

Non-magnetic metallic tape wrapping should be adopted as armored layer of single core armored cable for A.C. system. Magnetism–separated measure shall be adopted by single core steel wire armored cable.

七、电缆主要技术参数

Main Technical Parameter of Cable

1、20℃时导体最大直流电阻值应满足GB/T3956标准中的2类导体的规定：

Max value of conductor DC resistance at 20℃ shall meet the requirement of category 2 conductor stipulated in GB/T3956 standard.

导体标称截面mm² nominal cross section area of conductor	20℃时导体最大直流电阻Ω/km conductor max DC resistance at 20℃		导体标称截面mm² nominal cross section area of conductor	20℃时导体最大直流电阻Ω/km conductor max DC resistance at 20℃	
	铜芯导体 Cu conductor	铝芯导体 Al conductor		铜芯导体 Cu conductor	铝芯导体 Al conductor
1.5	12.1	/	95	0.193	0.320
2.5	7.41	/	120	0.153	0.253
4	4.61	7.41	150	0.124	0.206
6	3.08	4.61	185	0.0991	0.164
10	1.83	3.02	240	0.0754	0.125
16	1.15	1.91	300	0.0601	0.100
25	0.727	1.20	400	0.0470	0.078
35	0.524	0.868	500	0.0366	0.0605
50	0.387	0.641	630	0.0283	0.0469
70	0.268	0.443	800	0.0221	0.0367

2、工频交流耐压试验

A.C. Voltage Test under Power Frequency

额定电压kV Rated voltage kv	0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
试验电压kV Tested voltage kv	3.5	6.5	12.5	21	30.5	42	63	73.5	91
试验条件：环境温度下，5min。 Testing condition: under environment temperature for 5min 试验要求：绝缘应无击穿。 Testing requirement: insulation without puncture									

3、局部放电量 Partial Discharging Capacity

应在1.73U0电压下测量局部放电量，其数值应不高于以下规定：

Partial discharging capacity shall be tested at the voltage of 1.73U0, and its value shall be no more than that stipulated in the following table:

额定电压 kV Rated voltage	3.6/6	6/6 6/10	8.7/10 8.7/15	12/20	18/30	21/35	26/35
试验要求 Test Requirement	试验灵敏度为10 pc或更优，在1.73U0下，应无任何由被试电缆产生的超过声明试验灵敏度的可检测到的放电。 Sensitivity is 10 pc or better, Under 1.73 U0, it should not be detected any discharge exceeding declared sensitivity of tested cable						

4、电缆载流量　　Current-loading Capacity of Cable

不同土壤热阻系数下的载流量修正系数
Current-loading capacity correcting coefficient under different heat-resistant coefficient of soil

电压kV Voltage	土壤热阻系数 ℃.m/w Heat-resistant coefficient of soil			
	0.8	1.0	1.2	1.5
0.6/1~6/6	1.08	1.0	0.95	0.77
6/10~12/15	1.06	1.0	0.94	0.78
12/20~26/35	1.06	1.0	0.94	0.80

不同土壤温度下的载流量修正系数
Current-loading capacity correcting coefficient under different soil temperature

工作温度℃ Working temperature	土壤温度℃ Soil temperature					
90	10	15	20	25	30	35
修正系数 Correcting coefficient	1.11	1.07	1.04	1.00	0.96	0.92

不同空气温度下的载流量修正系数
Current-loading capacity correcting coefficient under different air temperature

工作温度℃ Working temperature	空气温度 ℃ Air temperature						
90	20	25	30	35	40	45	50
修正系数Correcting coefficient	1.23	1.17	1.12	1.06	1.00	0.94	0.87

4.1 交联电力电缆（0.6/1kV）　　XLPE Power Cable（0.6/1kV）

(空气中)

标称截面 mm2 nominal cross section area	长期连续负荷载流量 (A) Long-term and continual current-loading capacity							
	铜 芯Cu				铝 芯Al			
	单芯single core		两芯 2cores	三~五芯 3~5cores	单芯single core		两芯 2cores	三~五芯 3~5cores
	○ ○ ○				○ ○ ○			
2.5	41	31	33	28	32	24	25	22
4	54	41	43	37	42	32	34	29
6	68	52	55	47	56	42	45	39
10	93	71	76	65	72	55	58	50
16	120	92	97	84	93	71	75	65
25	155	120	130	110	120	94	100	87
35	195	150	160	135	150	115	120	105
50	235	180	195	170	180	140	150	130
70	295	230	245	215	230	180	190	165
95	370	285	305	265	285	220	235	205
120	430	335	355	310	330	260	275	240
150	495	385	405	350	380	300	315	270
185	570	450	465	405	445	350	365	315
240	680	535	—	480	530	414	—	375
300	790	620	—	555	615	485	—	435
400	920	720	—	—	720	570	—	—
500	1080	835	—	—	850	670	—	—
630	1260	960	—	—	1000	790	—	—
800	1470	1110	—	—	1180	920	—	—
导体工作温度 90℃ Conductor working temperation 90℃								
环境温度40℃ Environment temperation 40℃								

注: 1) 平面排列时,电缆中心间距为2倍的电缆外径。
Rows of cable, O.C. is two times than outer diameter
2) 单根电缆分离敷设(即邻近电缆对该电缆没有热效应)。
Single cable should be separated Installation (there is no pyrometric effect of neighboring cable)
3) 铠装型电缆的载流量可参照非铠装电缆的载流量选用。
Current-loading capacity of armored cable can refer to unarmored cable

(土壤中)

标称截面 mm2 nominal cross section area	长期连续负荷载流量（A）Long-term and continual current-loading capacity							
	铜 芯Cu				铝 芯Al			
	单芯single core		两芯 2cores	三~五芯 3~5cores	单芯single core		两芯 2cores	三~五芯 3~5cores
	○ ○ ○				○ ○ ○			
2.5	41	39	43	37	32	30	34	29
4	53	50	56	47	41	39	44	37
6	65	62	70	59	53	50	57	48
10	86	82	94	79	66	63	72	60
16	110	105	120	100	85	81	92	78
25	140	135	150	130	110	105	120	100
35	165	160	185	155	130	125	140	120
50	195	190	215	185	155	145	170	140
70	240	230	265	225	185	180	205	175
95	290	275	320	270	225	215	250	210
120	330	315	365	305	255	245	285	240
150	370	355	410	350	285	275	315	265
185	420	400	460	385	325	310	360	300
240	490	460	—	445	380	360	—	350
300	555	520	—	505	430	410	—	390
400	630	590	—	—	495	470	—	—
500	720	665	—	—	565	535	—	—
630	820	745	—	—	650	605	—	—
800	930	830	—	—	745	690	—	—
导体工作温度 90℃ Conductor working temperation 90℃								
环境温度 40℃ Environment temperation 40℃								

注: 1) 平面排列时,电缆中心间距为2倍的电缆外径。
Rows of cable, O.C. is two times than outer diameter
2) 单根电缆分离敷设(即邻近电缆对该电缆没有热效应)。
Single cable should be separated Installation (there is no pyrometric effect of neighboring cable)
3) 土壤热阻系数: 2.0k.m/w, 埋地深度: 0.7m。
Heat-resistant coefficient of soil is 2.0k.m/w,depth of burying is 0.7m
4) 铠装型电缆的载流量可参照非铠装电缆的载流量选用。
Current-loading capacity of armored cable can refer to unarmored cable

4.2 中压交联电力电缆 (3.6kV~35kV)

(空气中)

导体截面mm2 nominal cross section area	YJV、YJY					YJLV、YJLY				
	3.6/6kV ~12/20kV			18/30kV ~26/35kV		3.6/6kV ~12/20kV			18/30kV ~26/35kV	
	单芯single core		三芯 3cores	单芯single core		单芯single core		三芯 3cores	单芯single core	
	○○○	品		○○○	品	○○○	品		○○○	品
25	165	140	120	—	—	130	110	95	—	—
35	205	170	145	—	—	155	135	115	—	—
50	245	205	175	245	220	190	160	135	190	170
70	305	260	220	305	270	235	200	170	235	210
95	370	315	265	370	330	290	245	205	285	255
120	430	360	305	425	375	335	280	235	330	290
150	490	410	350	485	425	380	320	270	375	330
185	560	470	395	555	485	435	365	310	430	380
240	665	555	470	650	560	515	435	370	505	435
300	765	640	535	745	650	595	500	420	580	510
400	890	745	—	870	760	695	585	—	680	595
500	1030	855	—	1000	875	810	680	—	790	690
630	1230	990	—	1200	1010	930	785	—	950	810

注: 1) 平面排列时,电缆中心间距为2倍的电缆外径。
Rows of cable, O.C. is two times than outer diameter
2) 单根电缆分离敷设(即邻近电缆对该电缆没有热效应)。
Single cable should be separated Installation (there is no pyrometric effect of neighboring cable)
3) 铠装型电缆的载流量可参照非铠装电缆的载流量选用。
Current-loading capacity of armored cable can refer to unarmored cable

(土壤中)

导体截面mm2 nominal cross section area	YJV、YJY					YJLV、YJLY				
	3.6/6kV ~12/20kV			18/30kV ~26/35kV		3.6/6kV ~12/20kV			18/30kV ~26/35kV	
	单芯single core		三芯 3cores	单芯single core		单芯single core		三芯 3cores	单芯single core	
	○○○	品		○○○	品	○○○	品		○○○	品
25	145	180	130	—	—	110	140	100	—	—
35	170	215	155	—	—	135	165	120	—	—
50	200	255	180	210	255	155	200	140	160	195
70	245	315	220	255	310	190	245	170	195	240
95	295	375	265	305	375	230	290	205	235	290
120	335	430	300	345	425	260	330	235	265	330
150	375	480	340	385	475	290	375	265	300	370
185	425	545	380	435	540	330	425	300	340	420
240	495	630	440	505	625	385	490	345	390	490
300	555	710	495	570	705	435	555	390	445	550
400	635	810	—	650	810	500	640	—	510	635
500	725	910	—	740	910	570	730	—	580	725
630	825	1020	—	840	1030	655	830	—	665	830

注: 1) 平面排列时,电缆中心间距为2倍的电缆外径。
Rows of cable, O.C. is two times than outer diameter
2) 单根电缆分离敷设(即邻近电缆对该电缆没有热效应)。
Single cable should be separated Installation (there is no pyrometric effect of neighboring cable)
3) 土壤热阻系数: 2.0k.m/w, 埋地深度: 0.7m。
Heat-resistant coefficient of soil is 2.0k.m/w,depth of burying is 0.7m
4) 铠装型电缆的载流量可参照非铠装电缆的载流量选用。
Current-loading capacity of armored cable can refer to unarmored cable