

## 35kV 及以下交联聚乙烯绝缘电力电缆 35kV or lower XLPE insulated power cable



### ※用途 Application

本产品适用于 35kV 及以下电力输配电系统中、供输配电能之用。广泛应用于电力、建筑、工矿、冶金、石油化工、交通等部门，已完全替代了油浸纸绝缘电力电缆和部分替代了聚氯乙烯绝缘电力电缆。

It is used to transmit and distribute power in power transmission and distribution system of 35kV or lower, It is generally applied to the fields including power, construction, mines, metallurgy, petrochemical industry and communication in complete replacement of oil-immersed paper insulated power cable and in partial replacement of PVC insulated power cable.

### ※型号、名称 Type and Designation

型号 Type	名称 Designation
YJV YJLV	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation and PVC sheath
YJY YJLY	铜芯或铝芯交联聚乙烯绝缘聚乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation and PE sheath
YJV <sub>22</sub> YJLV <sub>22</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, steel tape armor and PVC sheath
YJV <sub>23</sub> YJLV <sub>23</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, steel tape armor and PE sheath
YJV <sub>32</sub> YJLV <sub>32</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PVC sheath
YJV <sub>33</sub> YJLV <sub>33</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PE sheath
YJV <sub>42</sub> YJLV <sub>42</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PVC sheath
YJV <sub>43</sub> YJLV <sub>43</sub>	铜芯或铝芯交联聚乙烯绝缘细钢丝铠装聚乙烯护套电力电缆 Power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PE sheath
ZR-YJV ZR-YJLV	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套阻燃电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation and PVC sheath

型号 Type	名称 Designation
ZR-YJV <sub>22</sub> ZR-YJLV <sub>22</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation, steel tape armor and PVC sheath
ZR-YJV <sub>32</sub> ZR-YJLV <sub>32</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PVC sheath
ZR-YJV <sub>42</sub> ZR-YJLV <sub>42</sub>	铜芯或铝芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation, thin steel wire armor and PVC sheath
NH-YJV NH-YJLV	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation and PVC sheath
NH-YJV <sub>22</sub> NH-YJLV <sub>22</sub>	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation and PVC sheath
NH-YJV <sub>32</sub> NH-YJLV <sub>32</sub>	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation and PVC sheath
NH-YJV <sub>42</sub> NH-YJLV <sub>42</sub>	铜芯或铝芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 Flame-retardant power cable with Cu/Al conductor, XLPE insulation and PVC sheath

### ※使用特性 Using features

- (1) 额定电压  $U_0/U$  分为 0.6/1kV、1.8/3kV、6/6kV、6/10kV、8.7/10kV、8.7/15kV、21/35kV、26/35kV;
- (2) 导体长期允许的最高工作温度为 90℃，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) 导体直流电阻符合 GB/T3956 的规定；
- (4) 敷设时的环境温度不高于 0℃，低于 0℃时应先预热。最小弯曲半径不小于电缆外径的 15 倍
- (5) 电缆敷设不受落差限制；
- (6) 工频耐电压试验：  
 $U_0$  为 3.6kV 及以下电缆：2.5 $U_0$ +2kV/5min 不击穿；  
 $U_0$  为 3.6kV ~ 18kV 电缆：3.5 $U_0$ +2kV/5min 不击穿；  
 $U_0$  为 21kV 及 26kV 以下电缆 2.5 $U_0$ /30min 不击穿；
- (7) 局部放电试验：1.73 $U_0$  下放电不大于 10pC；
- (8) 阻燃特性：阻燃电缆能经受 GB/T18380.3 规定的成束燃烧试验。耐火电缆能经受 GB/12666.6 规定耐火试验。

- (1) Rated voltage  $U_0/U$  includes 0.6/1kV、1.8/3kV、6/6kV、6/10kV、8.7/10kV、8.7/15kV、21/35kV、26/35kV;
- (2) The highest allowed operating temperature of conductor for long term working is 90℃, In short-circuit (Max. long-term is no more than 5 seconds), The highest temperature for conductor is no more than 250℃;
- (3) D.C. resistance of the conductor complies with the stipulations of GB/T3956.
- (4) The installing environment temperature should be no lower than 0℃, otherwise it should be preheated. The Min. Bending radius should be no smaller than 15 times of cable outer diameter.
- (5) The cable is laid without drop limit.
- (6) Working Frequency Voltage Test:  
for cable with  $U_0$  of 3.6kV or lower: 2.5 $U_0$ +2kV/5min without puncture.  
for cable with  $U_0$  of 3.6kV~18kV: 3.5 $U_0$ /5min without puncture.  
for cable with  $U_0$  of 21kV and 26kV: 2.5 $U_0$ /30min without puncture.
- (7) Partial Discharge Test: The discharge volume should be no more than 10PC under 1.73 $U_0$  for the cable.
- (8) Flame-retardant Character:  
Flame-retardant cable could endure firing test in bundle stipulated in GB/T18380.3. FIRE-RESISTANCE CABLE COULD ENDURE FIRE RATING TEST IN gb12666.6.

※交联聚乙烯绝缘电力电缆最终版生产范围 Production range of XLPE insulated power cables

型号 Type	芯数 No.of cores	额定电压 Rated Voltage (kV)			
		0.6/1	6/6 6/10	8.7/10 8.7/15	26/35
		导电线芯标称截面 mm <sup>2</sup> Normal cross sectional area of conductor mm <sup>2</sup>			
YJV YJLV YJY YJLY	1	1.5-630	25-630	25-630	25-630
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		25-630			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>					
YJV YJLV YJY YJLY	3	1.5-300	25-400	25-400	50-240
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300		25-400	50-240
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300		25-400	20-240
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300		25-400	20-240
YJV YJLV YJY YJLY	2	1.5-185	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-285			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-185			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-185			
YJV YJLV YJY YJLY	3+1	4-300	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300			
YJV YJLV YJY YJLY	4	1.5-300	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300			
YJV YJLV YJY YJLY	4+1	4-300	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300			
YJV YJLV YJY YJLY	3+2	4-300	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300			
YJV YJLV YJY YJLY	5	4-300	-	-	-
YJV <sub>22</sub> YJLV <sub>22</sub> YJV <sub>23</sub> YJLV <sub>23</sub>		4-300			
YJV <sub>32</sub> YJLV <sub>32</sub> YJV <sub>33</sub> YJLV <sub>33</sub>		4-300			
YJV <sub>42</sub> YJLV <sub>42</sub> YJV <sub>43</sub> YJLV <sub>43</sub>		25-300			

## 0.6/1kV 交联聚乙烯绝缘电力电缆 XLPE insulated power cable

### ※ 0.6/1kV 交联聚乙烯绝缘电力电缆结构尺寸及允许连续载流量

#### 0.6/1kV Structures and allowed current-ratings of XLPE insulated power cable

表1 0.6/1kV 单芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量

0.6/1kV Structure size and weight of single core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
				YJV	YJY	YJLV	YJLY
1 × 1.5	0.7	1.4	6	47	37	38	28
1 × 2.5	0.7	1.4	6	59	49	44	33
1 × 4	0.7	1.4	7	77	65	52	40
1 × 6	0.7	1.4	7	99	86	62	49
1 × 10	0.7	1.4	8	147	131	84	68
1 × 16	0.7	1.4	9	209	191	109	91
1 × 25	0.9	1.4	11	304	283	149	127
1 × 35	0.9	1.4	12	400	377	184	160
1 × 50	1.0	1.4	13	524	798	232	205
1 × 70	1.1	1.4	15	732	701	310	279
1 × 95	1.1	1.5	17	991	953	404	367
1 × 120	1.2	1.5	18	1230	1189	490	449
1 × 150	1.4	1.6	20	1516	1467	603	554
1 × 185	1.6	1.7	23	1890	1832	748	690
1 × 240	1.7	1.8	26	2454	2384	954	884
1 × 300	1.8	1.8	28	3041	2965	1157	1081
1 × 400	2.2	2.0	32	3888	3789	1478	1379
1 × 500	2.2	2.1	36	4959	4850	1874	1755
1 × 630	2.4	2.2	40	6384	6242	2382	2240

表2 0.6/1kV 2芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量

0.6/1kV Structure size and weight of two-core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
				YJV	YJY	YJLV	YJLY
2 × 1.5	0.7	1.8	10	105	84	86	62
2 × 2.5	0.7	1.8	10	134	111	102	79
2 × 4	0.7	1.8	11	173	148	123	98
2 × 6	0.7	1.8	12	226	198	150	122
2 × 10	0.7	1.8	15	342	307	214	178
2 × 16	0.7	1.8	17	488	448	285	244
2 × 25	0.9	1.8	21	711	663	393	345
2 × 35	0.9	1.8	23	927	873	486	433
2 × 50	1.0	1.8	21	1096	1045	499	448
2 × 70	1.1	1.9	23	1518	1460	657	598
2 × 95	1.1	2.0	27	2061	1987	864	791
2 × 120	1.2	2.1	29	2567	2483	1058	937
2 × 150	1.4	2.2	32	3155	3057	1292	1194
2 × 185	1.6	2.3	36	3913	3799	1583	1469

表3 0.6/1kV 3芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Structure size and weight of 3-core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
				YJV	YJY	YJLV	YJLY
3 × 1.5	0.7	1.8	10	127	105	99	77
3 × 2.5	0.7	1.8	11	167	143	120	96
3 × 4	0.7	1.8	12	221	194	145	118
3 × 6	0.7	1.8	13	293	263	179	149
3 × 10	0.7	1.8	16	445	408	253	215
3 × 16	0.7	1.8	18	647	604	342	299
3 × 25	0.9	1.8	22	959	908	482	431
3 × 35	0.9	1.8	24	1274	1217	613	556
3 × 50	1.0	1.8	24	1590	1530	695	634
3 × 70	1.1	1.9	28	2228	2154	935	861
3 × 95	1.1	2.0	31	3015	2927	1220	1132
3 × 120	1.2	2.1	34	3763	3661	1497	1396
3 × 150	1.4	2.3	38	4965	4533	1861	1738
3 × 185	1.6	2.4	42	5778	5636	2281	2138
3 × 240	1.7	2.6	47	7513	7339	2920	2746
3 × 300	1.8	2.8	52	9409	9202	3642	3535

表4 0.6/1kV 3+1芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Structure size and weight of (3+1)-core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)				YJV	YJY	YJLV	YJLY
3 × 4	1 × 2.5	0.7	1.8	13	258	229	166	137
3 × 6	1 × 4	0.7	1.8	14	344	312	205	173
3 × 10	1 × 6	0.7	1.8	17	516	476	285	246
3 × 16	1 × 10	0.7	1.8	19	765	719	396	350
3 × 25	1 × 16	0.9	1.8	23	1134	1079	556	501
3 × 35	1 × 16	0.9	1.8	25	1431	1371	668	608
3 × 50	1 × 25	1.0	1.8	27	1863	1803	809	742
3 × 70	1 × 35	1.1	1.9	30	2604	2523	1090	1009
3 × 95	1 × 50	1.1	2.1	35	3527	3425	1433	1331
3 × 120	1 × 70	1.2	2.2	38	4489	4371	1794	1676
3 × 150	1 × 70	1.4	2.3	42	5362	5227	2136	2001
3 × 185	1 × 95	1.6	2.5	47	6770	6605	2674	2509
3 × 240	1 × 120	1.7	2.7	52	8743	8545	3395	3197
3 × 300	1 × 150	1.8	2.9	57	10878	10643	4180	3945

表5 0.6/1kV 4芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of 4-core power cbale(YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
				YJV	YJY	YJLV	YJLY
4 × 1.5	0.7	1.8	11	154	130	117	93
4 × 2.5	0.7	1.8	12	204	177	142	109
4 × 4	0.7	1.8	13	274	245	175	146
4 × 6	0.7	1.8	14	363	330	214	181
4 × 10	0.7	1.8	17	559	518	307	266
4 × 16	0.7	1.8	20	815	767	416	368
4 × 25	0.9	1.8	25	1208	1151	585	528
4 × 35	0.9	1.8	27	1612	1549	747	684
4 × 50	1.0	1.9	28	2057	1983	886	812
4 × 70	1.1	2.0	32	2883	2794	1193	1104
4 × 95	1.1	2.1	36	3914	3808	1567	1461
4 × 120	1.2	2.3	39	4902	4775	1941	1814
4 × 150	1.4	2.4	44	6033	5886	2380	2233
4 × 185	1.6	2.6	48	7526	7348	2955	2777
4 × 240	1.7	2.8	54	9781	9565	3778	3562
4 × 300	1.8	3.0	60	12184	11929	4646	4391

表6 0.6/1kV 3+2芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (3+2)-core power cbale(YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)				YJV	YJY	YJLV	YJLY
3 × 4	2 × 2.5	0.7	1.8	13	294	263	187	156
3 × 6	2 × 4	0.7	1.8	15	399	364	234	199
3 × 10	2 × 6	0.7	1.8	17	589	547	320	278
3 × 16	2 × 10	0.7	1.8	21	879	829	446	396
3 × 25	2 × 16	0.9	1.8	24	1313	1254	633	574
3 × 35	2 × 16	0.9	1.8	26	1607	1572	742	678
3 × 50	2 × 25	1.0	1.9	30	2243	2162	1029	948
3 × 70	2 × 35	1.1	2.0	35	3126	3028	1392	1292
3 × 95	2 × 50	1.1	2.2	39	4207	4085	1814	1692
3 × 120	2 × 70	1.2	2.3	44	5303	5159	2176	2032
3 × 150	2 × 70	1.4	2.4	48	6209	6047	2552	2390
3 × 185	2 × 95	1.6	2.6	53	7898	7701	3204	3007
3 × 240	2 × 120	1.7	2.8	60	10188	9949	4086	37847
3 × 300	2 × 150	1.8	3.0	66	12675	12392	5045	4762

表7 0.6/1kV 4+1 芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Structure size and weight of (4+1)-core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)				YJV	YJY	YJLV	YJLY
4 × 4	1 × 2.5	0.7	1.8	14	313	281	197	165
4 × 6	1 × 4	0.7	1.8	15	448	413	271	236
4 × 10	1 × 6	0.7	1.8	18	656	612	361	317
4 × 16	1 × 10	0.7	1.8	21	946	894	475	423
4 × 25	1 × 16	0.9	1.8	25	1408	1347	670	609
4 × 35	1 × 16	0.9	1.8	27	1807	1740	823	756
4 × 50	1 × 25	1.0	1.9	32	2479	2395	1127	1043
4 × 70	1 × 35	1.1	2.1	37	3483	3374	1539	1430
4 × 95	1 × 50	1.1	2.2	41	4677	4549	1986	1858
4 × 120	1 × 70	1.2	2.4	46	5971	5815	2522	2366
4 × 150	1 × 70	1.4	2.5	50	7021	6843	2865	2687
4 × 185	1 × 95	1.6	2.7	56	8858	8643	3599	3384
4 × 240	1 × 120	1.7	2.9	63	11473	11212	4598	4337
4 × 300	1 × 150	1.8	3.1	70	14275	13967	5659	5351

表8 0.6/1kV 5 芯电力电缆(YJV、YJY、YJLV、YJLY)的结构尺寸及重量  
0.6/1kV Structure size and weight of 5-core power cable (YJV、YJY、YJLV、YJLY)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
				YJV	YJY	YJLV	YJLY
5 × 4	0.7	1.8	14	332	300	206	174
5 × 6	0.7	1.8	15	446	410	256	220
5 × 10	0.7	1.8	19	691	646	370	325
5 × 16	0.7	1.8	22	1007	954	499	446
5 × 25	0.9	1.8	25	1504	1441	710	660
5 × 35	0.9	1.8	28	2007	1937	905	835
5 × 50	1.0	2.0	33	2726	2634	1234	1142
5 × 70	1.1	2.1	37	3823	3712	1669	1558
5 × 95	1.1	2.3	43	5190	5050	2199	2059
5 × 120	1.2	2.4	48	6349	6187	2575	2413
5 × 150	1.4	2.6	53	7869	7673	3213	3017
5 × 185	1.6	2.8	59	9788	9552	3962	3726
5 × 240	1.7	3.0	67	12849	12564	5198	4913
5 × 300	1.8	3.2	74	15920	15584	6314	5978

表9 0.6/1kV 2芯电力电缆(YJV22、YJV23、YJLV22、YJLV23)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of 2-core power cbale (YJV22、YJV23、YJLV22、YJLV23)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
						YJV22	YJV23	YJLV22	YJLV23
2 × 4	0.7	1.2	0.2	1.8	15	324	290	274	240
2 × 6	0.7	1.2	0.2	1.8	16	390	353	314	277
2 × 10	0.7	1.2	0.2	1.8	18	524	480	396	352
2 × 16	0.7	1.2	0.2	1.8	20	694	645	490	441
2 × 25	0.9	1.2	0.2	1.8	24	978	922	645	589
2 × 35	0.9	1.2	0.2	1.8	26	1222	1160	768	705
2 × 50	1.0	1.2	0.2	1.8	24	1372	1312	873	802
2 × 70	1.1	1.2	0.5	2.0	28	2124	2061	1263	1185
2 × 95	1.1	1.2	0.5	2.1	31	2728	2637	1532	1441
2 × 120	1.2	1.2	0.5	2.2	34	3292	3189	1783	1680
2 × 150	1.4	1.3	0.5	2.4	37	3975	3851	2113	1989
2 × 185	1.6	1.3	0.5	2.5	41	4838	4696	2508	2366

表10 0.6/1kV 3芯电力电缆(YJV22、YJV23、YJLV22、YJLV23)的结构尺寸及重量  
.6/1kV Sturcture size and weight of 3-core power cbale (YJV22、YJV23、YJLV22、YJLV23)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
						YJV22	YJV23	YJLV22	YJLV23
3 × 4	0.7	1.2	0.2	0.8	15	379	344	303	268
3 × 6	0.7	1.2	0.2	1.8	16	466	428	352	314
3 × 10	0.7	1.2	0.2	1.8	19	655	609	462	416
3 × 16	0.7	1.2	0.2	1.8	21	887	835	582	530
3 × 25	0.9	1.2	0.2	1.8	25	1243	1183	766	706
3 × 35	0.9	1.2	0.2	1.8	28	1588	1523	927	862
3 × 50	1.0	1.2	0.2	1.9	28	1923	1850	1027	954
3 × 70	1.1	1.2	0.5	2.0	33	2929	2838	1636	1545
3 × 95	1.1	1.2	0.5	2.2	36	3822	3710	2026	1910
3 × 120	1.2	1.3	0.5	2.3	39	4659	4532	2394	2267
3 × 150	1.4	1.3	0.5	2.4	43	5627	5482	2832	2687
3 × 185	1.6	1.4	0.5	2.6	48	6897	6723	3400	3226
3 × 240	1.7	1.5	0.5	2.8	53	8788	8579	4195	3986
3 × 300	1.8	1.5	0.5	2.9	58	10787	10550	5020	4783



表 11 0.6/1kV 3+1 芯电力电缆(YJV22、YJV23、YJLV22、YJLV23)的结构尺寸及重量  
0.6/1kV Structure size and weight of (3+1)-core power cable(YJV22、YJV23、YJLV22、YJLV23)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV22	YJV23	YJLV22	YJLV23
3 × 4	1 × 2.5	0.7	1.2	0.2	1.8	16	425	388	333	296
3 × 6	1 × 4	0.7	1.2	0.2	1.8	17	527	486	388	347
3 × 10	1 × 6	0.7	1.2	0.2	1.8	20	734	686	503	455
3 × 16	1 × 10	0.7	1.2	0.2	1.8	23	1019	964	650	595
3 × 25	1 × 16	0.9	1.2	0.2	1.8	26	1434	1371	856	793
3 × 35	1 × 16	0.9	1.2	0.2	1.8	28	1757	1689	994	926
3 × 50	1 × 25	1.0	1.2	0.2	1.9	30	2229	2149	1175	1095
3 × 70	1 × 35	1.1	1.2	0.2	2.1	35	3386	3282	1872	1768
3 × 95	1 × 50	1.1	1.2	0.2	2.2	39	4397	4275	2303	2181
3 × 120	1 × 70	1.2	1.3	0.5	2.3	43	5468	5328	2772	2632
3 × 150	1 × 70	1.4	1.4	0.5	2.5	47	6464	6299	3238	3073
3 × 185	1 × 95	1.6	1.5	0.5	2.6	52	8004	7813	3908	3717
3 × 240	1 × 120	1.7	1.6	0.5	2.8	57	10140	9912	4792	4564
3 × 300	1 × 150	1.8	1.7	0.5	3.0	63	12445	12177	5747	5479

表 12 0.6/1kV 4 芯电力电缆(YJV22、YJV23、YJLV22、YJLV23)的结构尺寸及重量  
0.6/1kV Structure size and weight of 4-core power cable(YJV22、YJV23、YJLV22、YJLV23)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV22	YJV23	YJLV22	YJLV23
4 × 4	0.7	1.2	0.2	1.8	16	445	407	408	370
4 × 6	0.7	1.2	0.2	1.8	17	590	509	488	447
4 × 10	0.7	1.2	0.2	1.8	21	787	737	540	487
4 × 16	0.7	1.2	0.2	1.8	23	1076	1019	680	624
4 × 25	0.9	1.2	0.2	1.8	27	1519	1454	900	835
4 × 35	0.9	1.2	0.2	1.8	30	1957	1885	1090	1018
4 × 50	1.0	1.2	0.5	2.0	33	2759	2668	1530	1440
4 × 70	1.1	1.2	0.5	2.1	36	3678	3571	1945	1830
4 × 95	1.1	1.2	0.5	2.3	41	4832	4700	2485	2353
4 × 120	1.2	1.3	0.5	2.4	44	5906	5756	2945	2813
4 × 150	1.4	1.4	0.5	2.6	49	7186	7007	3533	3354
4 × 185	1.6	1.5	0.5	2.7	54	8807	8602	4236	4031
4 × 240	1.7	1.6	0.5	3.0	60	11268	11013	5625	2010
4 × 300	1.8	1.7	0.5	3.0	66	13824	13534	6286	5996

表 13 0.6/1kV 3+2 芯电力电缆 (YJV22、YJV23、YJLV22、YJLV23) 的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (3+2)-core power cbale (YJV22、YJV23、YJLV22、YJLV23)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线 (接地线) Neutral line (or grounded line)						YJV22	YJV23	YJLV22	YJLV23
3 × 4	2 × 2.5	0.7	1.2	0.2	1.8	17	463	423	356	316
3 × 6	2 × 4	0.7	1.2	0.2	1.8	18	584	541	420	376
3 × 10	2 × 6	0.7	1.2	0.2	1.8	21	806	756	538	487
3 × 16	2 × 10	0.7	1.2	0.2	1.8	24	1136	1077	702	644
3 × 25	2 × 16	0.9	1.2	0.2	1.8	27	1610	1542	930	852
3 × 35	2 × 16	0.9	1.2	0.2	1.8	29	1929	1853	1061	988
3 × 50	2 × 25	1.0	1.2	0.5	2.0	35	2983	2885	1770	1672
3 × 70	2 × 35	1.1	1.2	0.5	2.1	40	3979	3861	2244	2127
3 × 95	2 × 50	1.1	1.2	0.5	2.3	44	5162	5018	2769	2626
3 × 120	2 × 70	1.2	1.3	0.5	2.4	49	6397	6229	3269	3102
3 × 150	2 × 70	1.4	1.4	0.5	2.5	53	7409	7221	3752	3564
3 × 185	2 × 95	1.6	1.5	0.5	2.7	59	9259	9034	4565	4339
3 × 240	2 × 120	1.7	1.6	0.5	2.9	65	11737	11467	5635	5365
3 × 300	2 × 150	1.8	1.7	0.5	3.1	72	14413	14095	6783	6365

表 14 0.6/1kV 4+1 芯电力电缆 (YJV22、YJV23、YJLV22、YJLV23) 的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (4+1)-core power cbale (YJV22、YJV23、YJLV22、YJLV23)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Thickness of of steel tape (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线 (接地线) Neutral line (or grounded line)						YJV22	YJV23	YJLV22	YJLV23
4 × 4	1 × 2.5	0.7	1.2	0.2	1.8	17	485	445	368	328
4 × 6	1 × 4	0.7	1.2	0.2	1.8	18	637	593	460	416
4 × 10	1 × 6	0.7	1.2	0.2	1.8	21	882	830	588	535
4 × 16	1 × 10	0.7	1.2	0.2	1.8	24	1208	1148	738	677
4 × 25	1 × 16	0.9	1.2	0.2	1.8	28	1713	1643	976	906
4 × 35	1 × 16	0.9	1.2	0.2	1.8	30	2152	2072	1169	1089
4 × 50	1 × 25	1.0	1.2	0.5	2.1	36	3263	3156	1911	1804
4 × 70	1 × 35	1.1	1.2	0.5	2.2	41	4376	4248	2432	2304
4 × 95	1 × 50	1.1	1.3	0.5	2.3	46	5695	5545	3004	2854
4 × 120	1 × 70	1.2	1.4	0.5	2.5	51	7129	6947	3679	3498
4 × 150	1 × 70	1.4	1.4	0.5	2.6	55	8282	8077	4126	3922
4 × 185	1 × 95	1.6	1.5	0.5	2.8	61	10287	10043	2029	4784
4 × 240	1 × 120	1.7	1.6	0.5	3.1	69	13163	12759	6288	5983
4 × 300	1 × 150	1.8	1.8	0.5	3.3	76	16169	15812	7552	7195

表 15 0.6/1kV 5 芯电力电缆(YJV22、YJV23、YJLV22、YJLV23)的结构尺寸及重量

0.6/1kV Structure size and weight of 5-core power cable (YJV22、YJV23、YJLV22、YJLV23)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Thickness of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV22	YJV23	YJLV22	YJLV23
5 × 4	0.7	1.2	0.2	1.8	17	507	466	380	339
5 × 6	0.7	1.2	0.2	1.8	19	638	593	448	403
5 × 10	0.7	1.2	0.2	1.8	22	926	871	605	551
5 × 16	0.7	1.2	0.2	1.8	25	1277	1215	769	707
5 × 25	0.9	1.2	0.5	1.8	28	1817	1746	1023	952
5 × 35	0.9	1.2	0.5	2.0	33	2705	2613	1603	1511
5 × 50	1.0	1.2	0.5	2.1	37	3525	3414	2033	1923
5 × 70	1.1	1.2	0.5	2.2	42	4732	4601	2578	2447
5 × 95	1.1	1.3	0.5	2.4	48	6256	6093	3265	3101
5 × 120	1.2	1.4	0.5	2.6	53	7571	7376	3797	3602
5 × 150	1.4	1.5	0.5	2.7	58	9221	8997	4565	4341
5 × 185	1.6	1.6	0.5	2.9	65	11319	11052	5494	5227
5 × 240	1.7	1.7	0.5	3.2	73	14631	14300	6981	6650
5 × 300	1.8	1.9	0.5	3.4	80	17948	17560	8341	7954

表 16 0.6/1kV 单芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量

0.6/1kV Structure size and weight of single-core power cable (YJV32、YJV33、YJLV32、YJLV33)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Thickness of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV32	YJV33	YJLV32	YJLV33
1 × 25	0.9	1.2	0.8	1.8	16	575	519	420	364
1 × 35	0.9	1.2	0.8	1.8	17	694	634	479	419
1 × 50	1.0	1.2	0.8	1.8	18	848	782	557	491
1 × 70	1.1	1.2	0.8	1.8	20	1103	1028	683	608
1 × 95	1.1	1.2	1.6	1.8	24	1681	1594	1097	1010
1 × 120	1.2	1.2	1.6	1.8	25	1981	1886	1245	1150
1 × 150	1.4	1.2	1.6	1.8	27	2334	2231	1426	1322
1 × 185	1.6	1.2	1.6	1.9	29	2789	2671	1652	1535
1 × 240	1.7	1.2	1.6	2.0	32	3437	3302	1944	1809
1 × 300	1.8	1.2	2.0	2.1	35	4377	4222	2503	2347
1 × 400	2.0	1.2	2.0	2.2	39	5257	5080	2860	2683
1 × 500	2.2	1.2	2.0	2.3	43	6594	6390	3514	3310
1 × 630	2.4	1.3	2.5	2.5	49	8626	8374	4643	4391

注：单芯铠装电缆仅用于直流系统，若用于交流系统，应采用非磁性材料的铠装层。

Note: A single-core armoured cable is only applied to D.C transmission system. If it is required to use in A.C transmission system, nonmagnetic shall be applied to armoured layer.

表 17 0.6/1kV 2 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Structure size and weight of 2-core power cable (YJV32、YJV33、YJLV32、YJLV33)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Thickness of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV32	YJV33	YJLV32	YJLV33
2 × 4	0.7	1.2	0.8	1.8	15	415	379	373	337
2 × 6	0.7	1.2	0.8	1.8	16	484	445	416	377
2 × 10	0.7	1.2	0.8	1.8	19	647	601	519	473
2 × 16	0.7	1.2	1.6	1.8	23	1123	1067	919	863
2 × 25	0.9	1.2	1.6	1.8	26	1462	1399	1129	1066
2 × 35	0.9	1.2	1.6	1.8	27	1766	1694	1326	1263
2 × 50	1.0	1.2	1.6	1.9	25	1886	1820	1416	1348
2 × 70	1.1	1.2	2.0	2.1	28	2418	2340	1557	1479
2 × 95	1.1	1.2	2.0	2.2	32	3050	2960	1854	1766
2 × 120	1.2	1.2	2.0	2.3	33	3865	3766	2356	2257
2 × 150	1.4	1.3	2.5	2.5	36	4617	4497	2755	2635
2 × 185	1.6	1.4	2.5	2.6	44	5540	5403	3210	3073

表 18 0.6/1kV 3 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Structure size and weight of 3-core power cable (YJV32、YJV33、YJLV32、YJLV33)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Thickness of steel tape (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV32	YJV33	YJLV32	YJLV33
3 × 4	0.7	1.2	0.8	1.8	16	476	438	400	289
3 × 6	0.7	1.2	0.8	1.8	17	571	530	457	416
3 × 10	0.7	1.2	0.8	1.8	20	784	736	591	543
3 × 16	0.7	1.2	1.6	1.8	24	1341	1283	1036	978
3 × 25	0.9	1.2	1.6	1.8	28	1750	1684	1273	1207
3 × 35	0.9	1.2	1.6	1.8	30	2154	2078	1493	1417
3 × 50	1.0	1.2	1.6	2.0	30	2527	2447	1631	1551
3 × 70	1.1	1.2	2.0	2.1	35	3537	3435	2244	2142
3 × 95	1.1	1.2	2.0	2.2	38	4477	4358	2681	2562
3 × 120	1.2	1.3	2.0	2.4	42	5388	5254	3123	2989
3 × 150	1.4	1.3	2.5	2.5	46	6818	6662	4023	3867
3 × 185	1.6	1.4	2.5	2.7	51	8213	8027	4716	4530
3 × 240	1.7	1.5	2.5	2.9	56	10252	10030	5659	5437
3 × 300	1.8	1.5	2.5	3.0	58	12338	12097	6571	6330

表 19 0.6/1kV 3+1 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Structure size and weight of (3+1)-core power cable(YJV32、YJV33、YJLV32、YJLV33)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV32	YJV33	YJLV32	YJLV33
3 × 4	1 × 2.5	0.7	1.2	0.8	1.8	17	529	489	437	397
3 × 6	1 × 4	0.7	1.2	0.8	1.8	18	638	595	499	456
3 × 10	1 × 6	0.7	1.2	0.8	1.8	21	1150	1096	919	865
3 × 16	1 × 10	0.7	1.2	1.6	1.8	25	1497	1436	1128	1067
3 × 25	1 × 16	0.9	1.2	1.6	1.8	29	1993	1919	1415	1314
3 × 35	1 × 16	0.9	1.2	1.6	1.9	31	2350	2271	1587	1508
3 × 50	1 × 25	1.0	1.2	1.6	2.0	33	3136	3042	2082	1988
3 × 70	1 × 35	1.1	1.2	2.0	2.1	37	4048	3932	2534	2418
3 × 95	1 × 50	1.1	1.2	2.0	2.3	42	5139	5004	3045	2910
3 × 120	1 × 70	1.2	1.3	2.5	2.4	46	6692	6528	3996	3832
3 × 150	1 × 70	1.4	1.4	2.5	2.6	50	7770	7586	4544	4360
3 × 185	1 × 95	1.6	1.5	2.5	2.7	55	9496	9249	5364	5153
3 × 240	1 × 120	1.7	1.6	2.5	2.9	61	11744	11495	6396	6147
3 × 300	1 × 150	1.8	1.7	2.5	3.1	65	14825	14143	8327	7645

表 20 0.6/1kV 4 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Structure size and weight of 4-core power cable(YJV32、YJV33、YJLV32、YJLV33)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV32	YJV33	YJLV32	YJLV33
4 × 4	0.7	1.2	0.8	1.8	17	551	511	514	474
4 × 6	0.7	1.2	0.8	1.8	18	667	623	605	561
4 × 10	0.7	1.2	0.8	1.8	21	1214	1158	1115	1059
4 × 16	0.7	1.2	1.6	1.8	25	1556	1503	1417	1354
4 × 25	0.9	1.2	1.6	1.8	29	2088	2012	1836	1760
4 × 35	0.9	1.2	1.6	1.9	33	2825	2735	2426	2336
4 × 50	1.0	1.2	2.0	2.1	35	3365	3263	2742	2640
4 × 70	1.1	1.2	2.0	2.2	39	4372	4253	3255	3134
4 × 95	1.1	1.2	2.0	2.3	43	5585	5446	3818	3676
4 × 120	1.2	1.3	2.5	2.5	47	7134	6966	4173	4005
4 × 150	1.4	1.4	2.5	2.7	52	8516	8325	4863	4672
4 × 185	1.6	1.5	2.5	2.8	57	10313	10087	5742	5516
4 × 240	1.7	1.6	2.5	3.1	63	12924	12655	6921	6652
4 × 300	1.8	1.7	2.5	3.3	68	16488	16158	8950	8620

表21 0.6/1kV 3+2 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (3+2)-core power cbale (YJV32、YJV33、YJLV32、YJLV33)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Diameter of steel wire (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV32	YJV33	YJLV32	YJLV33
3 × 4	2 × 2.5	0.7	1.2	0.8	1.8	17	574	532	467	425
3 × 6	2 × 4	0.7	1.2	0.8	1.8	19	705	660	541	496
3 × 10	2 × 6	0.7	1.2	0.8	1.8	21	1249	1192	981	924
3 × 16	2 × 10	0.7	1.2	0.8	1.8	25	1653	1588	1219	1154
3 × 25	2 × 16	0.9	1.2	1.6	1.8	29	2214	2135	1534	1455
3 × 35	2 × 16	0.9	1.2	1.6	1.9	31	2580	2492	1715	1627
3 × 50	2 × 25	1.0	1.2	1.6	2.0	36	3663	3548	2450	2335
3 × 70	2 × 35	1.1	1.2	2.0	2.2	42	4757	4621	3022	2886
3 × 95	2 × 50	1.1	1.2	2.0	2.4	46	6409	6241	4016	3848
3 × 120	2 × 70	1.2	1.3	2.0	2.5	51	7819	7317	4691	4489
3 × 150	2 × 70	1.4	1.4	2.5	2.7	56	8932	8708	5275	5051
3 × 185	2 × 95	1.6	1.5	2.5	2.8	62	10969	10704	6275	6010
3 × 240	2 × 120	1.7	1.6	2.5	3.0	69	13657	13343	7555	7241
3 × 300	2 × 150	1.8	1.7	2.5	3.2	74	16474	16186	8844	8554

表22 0.6/1kV 4+1 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (4+1)-core power cbale (YJV32、YJV33、YJLV32、YJLV33)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Diameter of steel wire (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV32	YJV33	YJLV32	YJLV33
4 × 4	1 × 2.5	0.7	1.2	0.8	1.8	18	625	583	508	466
4 × 6	1 × 4	0.7	1.2	0.8	1.8	19	760	714	583	537
4 × 10	1 × 6	0.7	1.2	1.6	1.8	24	1336	1277	1042	983
4 × 16	1 × 10	0.7	1.2	1.6	1.8	27	1738	1671	1268	1201
4 × 25	1 × 16	0.9	1.2	1.6	1.9	30	2328	2248	1591	1511
4 × 35	1 × 16	0.9	1.2	1.6	1.9	33	3060	2966	2077	1983
4 × 50	1 × 25	1.0	1.2	2.0	2.1	38	3932	3813	2580	2461
4 × 70	1 × 35	1.1	1.2	2.0	2.3	44	5177	5029	3233	3085
4 × 95	1 × 50	1.1	1.3	2.5	2.5	49	7027	6852	4336	4161
4 × 120	1 × 70	1.2	1.4	2.5	2.6	54	8577	9368	5127	4918
4 × 150	1 × 70	1.4	1.4	2.5	2.7	59	9844	9642	5728	5486
4 × 185	1 × 95	1.6	1.5	2.5	2.9	65	12072	11786	6814	6528
4 × 240	1 × 120	1.7	1.7	2.5	3.2	72	15958	15911	9083	8736
4 × 300	1 × 150	1.8	1.8	3.15	3.4	80	19269	18855	10652	10238

表 23 0.6/1kV 5 芯电力电缆(YJV32、YJV33、YJLV32、YJLV33)的结构尺寸及重量

0.6/1kV Structure size and weight of 5-core power cable (YJV32、YJV33、YJLV32、YJLV33)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV32	YJV33	YJLV32	YJLV33
5 × 4	0.7	1.2	0.8	1.8	18	622	579	495	452
5 × 6	0.7	1.2	0.8	1.8	19	763	715	573	525
5 × 10	0.7	1.2	1.6	1.8	24	1391	1330	1070	1009
5 × 16	0.7	1.2	1.6	1.8	27	1819	1750	1311	1243
5 × 25	0.9	1.2	1.6	1.9	31	2444	2362	1650	1568
5 × 35	0.9	1.2	2.0	1.9	35	3308	3205	2206	2103
5 × 50	1.0	1.2	2.0	2.1	39	4223	4100	2731	2608
5 × 70	1.1	1.2	2.0	2.3	44	5931	5777	3777	3623
5 × 95	1.1	1.3	2.5	2.5	51	7636	7447	4645	4456
5 × 120	1.2	1.4	2.5	2.6	56	9071	8847	5297	5073
5 × 150	1.4	1.5	2.5	2.7	61	10909	10655	6253	5999
5 × 185	1.6	1.6	2.5	2.9	68	13212	12902	7387	7077
5 × 240	1.7	1.7	3.15	3.2	77	17657	17271	10007	9621
5 × 300	1.8	1.9	3.15	3.4	84	21236	20789	11629	11299

表 24 0.6/1kV 2 芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量

0.6/1kV Structure size and weight of 2-core power cable (YJV42、YJV43、YJLV42、YJLV43)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV42	YJV43	YJLV42	YJLV43
2 × 25	0.9	2.0	4.0	1.9	32	2711	2628	2394	2311
2 × 35	0.9	2.0	4.0	2.0	34	3164	3070	2725	2631
2 × 50	1.0	2.0	4.0	2.1	32	3220	3127	2773	2677
2 × 70	1.1	2.0	4.0	2.2	35	3888	3787	3030	2923
2 × 95	1.1	2.0	4.0	2.3	38	4657	4536	3466	3345
2 × 120	1.2	2.0	4.0	2.5	41	5294	5154	3791	3656
2 × 150	1.4	2.0	4.0	2.6	44	6137	5980	4283	4126
2 × 185	1.6	2.0	4.0	2.7	47	7244	7067	4924	4747

表25 0.6/1kV 3芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量

0.6/1kV Structure size and weight of 3-core power cable (YJV42、YJV43、YJLV42、YJLV43)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV42	YJV43	YJLV42	YJLV43
3 × 25	0.9	2.0	4.0	2.0	33	3087	2995	2612	2521
3 × 35	0.9	2.0	4.0	2.1	36	3627	3529	2969	2871
3 × 50	1.0	2.0	4.0	2.2	36	3953	3849	3062	2958
3 × 70	1.1	2.0	4.0	2.3	40	4953	4827	3666	3540
3 × 95	1.1	2.0	4.0	2.4	43	5978	5842	4191	4055
3 × 120	1.2	2.0	4.0	2.5	46	6971	6810	4716	4556
3 × 150	1.4	2.0	4.0	2.7	50	8216	8029	5435	5248
3 × 185	1.6	2.0	4.0	2.8	54	9691	9481	6211	6000
3 × 240	1.7	2.0	4.0	3.0	59	11792	11544	7222	6974
3 × 300	1.8	2.0	4.0	3.2	64	14049	13781	8310	8042

表26 0.6/1kV 3+1芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量

0.6/1kV Structure size and weight of (3+1)-core power cable (YJV42、YJV43、YJLV42、YJLV43)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV42	YJV43	YJLV42	YJLV43
3 × 25	1 × 16	0.9	2.0	4.0	2.0	34	3362	3272	2786	2695
3 × 35	1 × 16	0.9	2.0	4.0	2.1	36	4070	3974	3310	3214
3 × 50	1 × 25	1.0	2.0	4.0	2.2	38	4442	4336	3393	3287
3 × 70	1 × 35	1.1	2.0	4.0	2.3	42	5522	5399	4015	3893
3 × 95	1 × 50	1.1	2.0	4.0	2.5	46	6787	6646	1703	4562
3 × 120	1 × 70	1.2	2.0	4.0	2.6	49	79898	7830	5306	5147
3 × 150	1 × 70	1.4	2.0	4.0	2.7	53	9453	9275	6242	6065
3 × 185	1 × 95	1.6	2.0	4.0	2.9	58	11388	11177	7312	7101
3 × 240	1 × 120	1.7	2.0	4.0	3.1	63	13381	13142	8059	7820
3 × 300	1 × 150	1.8	2.0	4.0	3.2	68	15883	15604	9217	8938



表 27 0.6/1kV 4 芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量

0.6/1kV Structure size and weight of 4-core power cable (YJV42、YJV43、YJLV42、YJLV43)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV42	YJV43	YJLV42	YJLV43
4 × 25	0.9	2.0	4.0	2.0	35	3578	3481	2946	2848
4 × 35	0.9	2.0	4.0	2.1	38	4234	4124	3356	3246
4 × 50	1.0	2.0	4.0	2.3	40	4803	4683	3613	3493
4 × 70	1.1	2.0	4.0	2.4	43	5908	5764	4192	4048
4 × 95	1.1	2.0	4.0	2.5	48	7414	7248	5031	4865
4 × 120	1.2	2.0	4.0	2.7	51	8668	8475	5662	5469
4 × 150	1.4	2.0	4.0	2.8	55	10172	9956	6464	6248
4 × 185	1.6	2.0	4.0	3.0	60	12058	11806	7418	7165
4 × 240	1.7	2.0	4.0	3.2	66	14832	14536	8738	8442
4 × 300	1.8	2.0	4.0	3.4	72	17755	17413	10103	9761

表 28 0.6/1kV 3+2 芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量

0.6/1kV Structure size and weight of (3+2) -core power cable (YJV42、YJV43、YJLV42、YJLV43)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV42	YJV43	YJLV42	YJLV43
3 × 25	2 × 16	0.9	2.0	4.0	3.1	36	3972	3686	3115	3009
3 × 35	2 × 16	0.9	2.0	4.0	2.2	38	4206	4094	3345	3234
3 × 50	2 × 25	1.0	2.0	4.0	2.3	42	5108	5051	3972	3844
3 × 70	2 × 35	1.1	2.0	4.0	2.4	47	6440	6283	4712	4558
3 × 95	2 × 50	1.1	2.0	4.0	2.6	51	7857	7679	5476	5298
3 × 120	2 × 70	1.2	2.0	4.0	2.7	56	9212	9000	6100	5888
3 × 150	2 × 70	1.4	2.0	4.0	2.8	59	10589	10355	6949	6716
3 × 185	2 × 95	1.6	2.0	4.0	3.0	65	12751	12477	8080	7806
3 × 240	2 × 120	1.7	2.0	4.0	3.2	72	15524	15202	9451	9129
3 × 300	2 × 150	1.8	2.0	4.0	3.4	78	18594	18821	11001	10628

表 29 0.6/1kV 4+1 芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of (4+1) -core power cbale(YJV42、YJV43、YJLV42、YJLV43)

导线截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )		绝缘标称 厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带直径 Diameter of steel wire (mm)	护套标称 厚度 Nominal thickness of sheath (mm)	电缆近似 外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
主导体 Primary conductor	中性线(接地线) Neutral line(or grounded line)						YJV42	YJV43	YJLV42	YJLV43
4 × 25	1 × 16	0.9	2.0	4.0	2.1	37	3893	3785	3159	3051
4 × 35	1 × 16	0.9	2.0	4.0	2.2	39	4536	4415	3557	3436
4 × 50	1 × 25	1.0	2.0	4.0	2.3	43	5446	5308	4100	3961
4 × 70	1 × 35	1.1	2.0	4.0	2.5	48	6899	6737	4964	4802
4 × 95	1 × 50	1.1	2.0	4.0	2.6	53	8471	8278	5791	5599
4 × 120	1 × 70	1.2	2.0	4.0	2.8	58	10204	9986	6770	6552
4 × 150	1 × 70	1.4	2.0	4.0	2.9	62	11634	11382	7497	7245
4 × 185	1 × 95	1.6	2.0	4.0	3.1	68	13948	13652	8712	8416
4 × 240	1 × 120	1.7	2.0	4.0	3.3	75	17152	16805	10307	9959
4 × 300	1 × 150	1.8	2.0	4.0	3.5	81	20439	20037	11860	11458

表 30 0.6/1kV 5 芯电力电缆(YJV42、YJV43、YJLV42、YJLV43)的结构尺寸及重量  
0.6/1kV Sturcture size and weight of 5-core power cbale(YJV42、YJV43、YJLV42、YJLV43)

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
						YJV42	YJV43	YJLV42	YJLV43
5 × 25	0.9	2.0	4.0	2.1	38	4098	3988	3307	3197
5 × 35	0.9	2.0	4.0	2.2	41	4851	4726	3754	3629
5 × 50	1.0	2.0	4.0	2.4	44	5793	5651	4308	4166
5 × 70	1.1	2.0	4.0	2.5	50	7391	7215	5246	5071
5 × 95	1.1	2.0	4.0	2.7	55	9188	8989	6210	6011
5 × 120	1.2	2.0	4.0	2.8	59	10845	10612	7088	6855
5 × 150	1.4	2.0	4.0	3.0	65	12718	12445	8082	7810
5 × 185	1.6	2.0	4.0	3.2	71	15116	14798	9316	8997
5 × 240	1.7	2.0	4.0	3.4	78	18773	18398	11156	10781
5 × 300	1.8	2.0	4.0	3.6	85	22471	22026	12906	12461

※ 6/6(6/10)kV 交联聚乙烯绝缘电力电缆结构尺寸及允许连续载流量

6/6(6/10)kV Structures and allowed current-ratings of XLPE insulated power cable

表1 6/6(6/10)kV 单芯交联聚乙烯绝缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

6/6(6/10)kV Structure size and weight of single-core power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
					YJV	YJY	YJLV	YJLY
1 × 25	6.0	3.4	1.6	21	641	596	486	441
1 × 35	7.0	3.4	1.6	22	757	710	542	495
1 × 50	8.1	3.4	1.7	23	909	856	618	565
1 × 70	9.9	3.4	1.7	25	1149	1091	729	671
1 × 95	11.5	3.4	1.8	27	1143	1377	860	794
1 × 120	13.0	3.4	1.8	28	1705	1636	968	899
1 × 150	14.4	3.4	1.9	30	2008	1931	1099	1022
1 × 185	16.1	3.4	1.9	32	2388	2306	1251	1169
1 × 240	18.3	3.4	2.0	34	2989	2895	1496	1402
1 × 300	20.6	3.4	2.1	37	3622	3516	1748	1642
1 × 400	23.3	3.4	2.2	40	4475	4355	2078	1958
1 × 500	26.7	3.4	2.3	43	5594	4914	2514	1834
1 × 630	30.4	3.4	2.4	47	7032	6875	3049	2892

表2 6/6(6/10)kV 三芯交联聚乙烯绝缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

6/6(6/10)kV Structure size and weight of single-core power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall diameter (mm)	电缆近似重量 Approx. weight kg/km			
					YJV	YJY	YJLV	YJLY
3 × 25	6.0	3.4	2.2	40	1947	1813	1472	1338
3 × 35	7.0	3.4	2.3	42	2301	2160	1643	1502
3 × 50	8.1	3.4	2.4	45	2779	2616	1888	1725
3 × 70	9.9	3.4	2.6	49	3546	3361	2260	2075
3 × 95	11.5	3.4	2.7	54	4444	4238	2657	2451
3 × 120	13.0	3.4	2.8	57	5281	5055	3028	2802
3 × 150	14.4	3.4	2.9	60	6206	5957	3426	3177
3 × 185	16.1	3.4	3.0	64	7411	7138	3933	3660
3 × 240	18.3	3.4	3.2	69	9290	8973	4722	4404
3 × 300	20.6	3.4	3.3	75	11233	10883	5497	5147
3 × 400	23.3	3.4	3.5	81	13937	13523	6602	6188

表3 6/6(6/10)kV 三芯交联聚乙烯绝缘钢带铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量  
6/6(6/10)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Steel strip thickness (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
							YJV <sub>22</sub>	YJY <sub>22</sub>	YJLV <sub>22</sub>	YJLY <sub>22</sub>
3 × 25	6.0	3.4	1.3	2.5	2.6	50	3054	2823	2579	2348
3 × 35	7.0	3.4	1.3	2.5	2.6	52	3508	3252	2850	2594
3 × 50	8.1	3.4	1.4	2.5	2.7	55	4032	3754	3141	2864
3 × 70	9.9	3.4	1.5	2.5	2.8	59	4930	4613	3644	3327
3 × 95	11.5	3.4	1.5	2.5	3.0	63	5951	5595	4164	3808
3 × 120	13.0	3.4	1.6	2.5	3.1	67	6871	6487	4618	4234
3 × 150	14.4	3.4	1.7	3.15	3.3	70	7801	7357	5021	4587
3 × 185	16.1	3.4	1.7	3.15	3.4	76	9268	8807	5808	5329
3 × 240	18.3	3.4	1.8	3.15	3.6	81	11355	10803	6787	6235
3 × 300	20.6	3.4	1.9	3.15	3.8	86	14368	13762	8632	8026
3 × 400	23.3	3.4	2.0	3.15	4.0	93	17406	16688	10071	9353

表4 6/6(6/10)kV 单芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量  
6/6(6/10)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 Diameter of steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
							YJV <sub>32</sub>	YJY <sub>32</sub>	YJLV <sub>32</sub>	YJLY <sub>32</sub>
1 × 25	6.0	3.4	1.2	1.6	1.8	28	1456	1357	1301	1202
1 × 35	7.0	3.4	1.2	1.6	1.8	29	1610	1507	1395	1292
1 × 50	8.1	3.4	1.2	1.6	1.9	30	1804	1692	1513	1401
1 × 70	9.9	3.4	1.2	1.6	2.0	31	2105	1984	1685	1564
1 × 95	11.5	3.4	1.2	2.0	2.1	34	2697	2562	2113	1987
1 × 120	13.0	3.4	1.2	2.0	2.1	35	3034	2887	2297	2150
1 × 150	14.4	3.4	1.2	2.0	2.2	37	3384	3230	2475	2321
1 × 185	16.1	3.4	1.2	2.0	2.2	39	3842	3675	2705	2528
1 × 240	18.3	3.4	1.2	2.0	2.2	42	4564	4366	3053	2873
1 × 300	20.6	3.4	1.2	2.5	2.3	44	5272	5075	3397	3200
1 × 400	23.3	3.4	1.3	2.5	2.5	48	6731	6496	4334	4099
1 × 500	26.7	3.4	1.3	2.5	2.6	52	8037	7776	4957	4696
1 × 630	30.4	3.4	1.4	2.5	2.7	55	9686	9388	5703	5405

表5 6/6(6/10)kV 三芯交联聚乙烯绝缘细钢丝铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量  
6/6(6/10)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional	导体外径 Overall diameter of conductor	绝缘标称厚度 Nominal thickness	内衬层厚度 Thickness of inner covering	钢丝直径 Diameter of steel wire	护套标称厚度 Nominal thickness	电缆近似外径 Approx. overall dinameter	电缆近似重量 Approx. weight			
							YJV <sub>32</sub>	YJY <sub>32</sub>	YJLV <sub>32</sub>	YJLY <sub>32</sub>
3 × 25	6.0	3.4	1.3	2.5	2.5	50	4322	4073	3847	3598
3 × 35	7.0	3.4	1.4	2.5	2.6	52	4813	4538	4155	3880
3 × 50	8.1	3.4	1.4	2.5	2.7	55	5412	5115	4521	4224
3 × 70	9.9	3.4	1.5	2.5	2.8	59	6433	6095	5147	4809
3 × 95	11.5	3.4	1.6	2.5	3.0	63	7573	7187	5786	5400
3 × 120	12.9	3.4	1.6	2.5	3.1	67	8599	8182	6346	5929
3 × 150	14.3	3.4	1.7	2.5	3.2	70	9741	9283	9661	6503
3 × 185	16.0	3.4	1.8	3.15	3.4	76	12078	11556	8600	8078
3 × 240	18.4	3.4	1.9	3.15	3.5	81	14330	13745	9762	9177
3 × 300	20.6	3.4	1.9	3.15	3.7	86	16679	16031	10943	10285
3 × 400	23.3	3.4	2.1	3.15	3.9	93	19871	19122	12536	11787

注：单芯铠装电缆仅用于直流系统，若用于交流系统，应采用非磁性材料的铠装层。

Note: A single-core armoured cable is only applied to D.C transmissio system. If it is required to use in A.C transmission system, nomagnetic shall be applied to armoured layer.

※ 8.7/10(8.7/15)kV 交联聚乙烯绝缘电力电缆结构尺寸及允许连续载流量

8.7/10(8.7/15)kV Structures and allowed current-ratings of XLPE insulated power cable

表1 8.7/10(8.7/15)kV 单芯交联聚乙烯绝缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

8.7/10 (8.7/15)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall diameter (mm)	电缆近似重量 Approx.weight kg/km			
					YJV	YJY	YJLV	YJLY
1 × 25	6.0	4.5	1.7	23	729	672	574	517
1 × 35	7.0	4.5	1.7	24	848	787	633	572
1 × 50	8.1	4.5	1.8	25	1008	940	717	649
1 × 70	9.9	4.5	1.8	27	1252	1180	832	759
1 × 95	11.5	4.5	1.9	29	1554	1473	970	889
1 × 120	13.0	4.5	1.9	30	1820	1734	1084	998
1 × 150	14.4	4.5	2.0	32	2129	2034	1221	1126
1 × 185	16.1	4.5	2.0	33	2514	2414	1378	1277
1 × 240	18.3	4.5	2.1	36	3124	3010	1631	1517
1 × 300	20.6	4.5	2.2	39	2770	3643	1896	1768
1 × 400	23.3	4.5	2.3	42	4634	4491	2237	2094
1 × 500	26.7	4.5	2.4	45	5736	5574	2657	2494
1 × 630	30.4	4.5	2.5	49	7187	7002	3204	3019

注：单芯铠装电缆仅用于直流系统，若用于交流系统，应采用非磁性材料的铠装层。

Note:A single-core armoured cable is only applied to D.C transmissio system. If it is required to use in A.C transmission system,nomagnetic shall be applied to armoured layer.

表2 8.7/10(8.7/15)kV 3芯交联聚乙烯绝缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

8.7/10 (8.7/15)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall diameter (mm)	电缆近似重量 Approx.weight kg/km			
					YJV	YJY	YJLV	YJLY
3 × 25	6.0	4.5	2.4	47	2367	2211	1893	1736
3 × 35	7.0	4.5	2.5	49	2791	2620	2133	1962
3 × 50	8.1	4.5	2.6	52	3307	3120	2417	2229
3 × 70	9.9	4.5	2.7	56	4136	3926	2850	2640
3 × 95	11.5	4.5	2.8	59	5072	4839	3285	3053
3 × 120	13.0	4.5	2.9	62	5941	5686	3687	3433
3 × 150	14.4	4.5	3.1	66	6936	6649	4156	3869
3 × 185	16.1	4.5	3.2	70	8233	7920	4755	4441
3 × 240	18.3	4.5	3.3	75	10124	9774	5556	5206
3 × 300	20.6	4.5	3.5	80	12256	11861	6521	6125
3 × 400	23.3	4.5	3.7	87	15030	14578	7695	7243



表3 8.7/10(8.7/15)kV 3 芯交联聚乙烯绝缘钢带铠装缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量  
6/6(6/10)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢带厚度 Steel strip thickness (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
							YJV <sub>22</sub>	YJY <sub>22</sub>	YJLV <sub>22</sub>	YJLY <sub>22</sub>
3 × 25	6.0	4.5	1.4	0.5	2.5	52	3164	3343	3139	2868
3 × 35	7.0	4.5	1.4	0.5	2.6	54	4091	3800	3433	3142
3 × 50	8.1	4.5	1.5	0.5	2.7	58	4715	4391	3842	3501
3 × 70	9.9	4.5	1.6	0.5	2.9	62	5703	5329	4417	4043
3 × 95	11.5	4.5	1.6	0.5	3.0	66	6728	6323	4941	4536
3 × 120	13.0	4.5	1.7	0.5	3.1	69	7716	7270	5463	5017
3 × 150	14.4	4.5	1.8	0.5	3.2	72	8859	8370	6079	5590
3 × 185	16.1	4.5	1.8	0.5	3.3	76	10257	9731	6779	6253
3 × 240	18.3	4.5	1.9	0.5	3.5	82	12371	11769	7803	7201
3 × 300	20.6	4.5	2.0	0.8	3.7	88	15622	14885	9880	9149
3 × 400	23.3	4.5	2.1	0.8	4.0	95	18724	17935	11389	10600

注：单芯铠装电缆仅用于直流系统，若用于交流系统，应采用非磁性材料的铠装层。  
Note:A single-core armoured cable is only applied to D.C transmissio system. If it is required to use in A.C transmission system,nomagnetic shall be applied to armoured layer.

表4 8.7/10(8.7/15)kV 交联聚乙烯绝缘细钢丝铠装缘聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量  
6/6(6/10)kV Sturcture size and weight of single-core power cbale

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Thickness of inner covering (mm)	钢丝直径 diameter of the steel wire (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
							YJV <sub>32</sub>	YJY <sub>32</sub>	YJLV <sub>32</sub>	YJLY <sub>32</sub>
1 × 25	6.0	4.5	1.2	1.6	1.6	29	1612	1499	1456	1344
1 × 35	7.0	4.5	1.2	1.6	1.6	30	1768	1651	1553	1436
1 × 50	8.1	4.5	1.2	1.6	1.6	31	1969	1842	1678	1551
1 × 70	9.9	4.5	1.2	1.6	1.6	33	2110	1972	1689	1552
1 × 95	11.5	4.5	1.2	2.0	2.0	36	2882	2732	2289	2148
1 × 120	12.9	4.5	1.2	2.0	2.0	37	3207	3050	2470	2313
1 × 150	14.3	4.5	1.2	2.0	2.0	39	3577	3407	2668	2499
1 × 185	16.0	4.5	1.2	2.0	2.0	40	4048	3869	2911	2733
1 × 240	18.4	4.5	1.2	2.0	2.0	43	4749	4552	3256	3059
1 × 300	20.6	4.5	1.2	2.5	2.5	47	5933	5709	4059	3834
1 × 400	23.3	4.5	1.3	2.5	2.5	50	6935	6688	4538	4291
1 × 500	26.7	4.5	1.3	2.5	2.5	53	8240	7959	5160	4880
1 × 630	30.4	4.5	1.4	2.5	2.5	57	9962	9636	5980	5653
3 × 25	6.0	4.5	1.3	0.5	0.5	54	4966	4674	4462	4199
3 × 35	7.0	4.5	1.4	0.5	0.5	56	5488	5175	4830	4517
3 × 50	8.1	4.5	1.4	0.5	0.5	59	6170	5825	5279	4939
3 × 70	9.9	4.5	1.5	0.5	0.5	63	7378	7006	6095	5720
3 × 95	11.5	4.5	1.6	0.5	0.5	67	8368	7964	6599	6178
3 × 120	12.9	4.5	1.6	0.5	0.5	70	9473	9010	7220	6757
3 × 150	14.3	4.5	1.7	3.15	3.15	75	11565	11042	8785	8262
3 × 185	16.0	4.5	1.8	3.15	3.15	79	13090	12527	9612	9049
3 × 240	18.4	4.5	1.9	3.15	3.15	85	15421	15224	10853	10656
3 × 300	20.6	4.5	1.9	3.15	3.15	90	17964	17191	12228	11455
3 × 400	23.3	4.5	2.1	3.15	3.15	97	21228	20418	13894	13083

注：单芯铠装电缆仅用于直流系统，若用于交流系统，应采用非磁性材料的铠装层。  
Note:A single-core armoured cable is only applied to D.C transmissio system. If it is required to use in A.C transmission system,nomagnetic shall be applied to armoured layer.

※ 26/35kV 交联聚乙烯绝缘电缆的结构尺寸及重量 Cable structure and weight

表 1 26/35kV 单芯交联聚乙烯绝缘氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

Table1 26/35kV Structure and weight of single-core XLPE insulated PVC/PE sheathed power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
					YJV	YJY	YJLV	YJLY
1 × 50	8.1	10.5	2.2	39	1778	1649	1487	1358
1 × 70	9.9	10.5	2.2	41	2061	1926	1641	1506
1 × 95	11.5	10.5	2.3	43	2401	2254	1817	1670
1 × 120	13.0	10.5	2.3	44	2697	2545	1960	1808
1 × 150	14.4	10.5	2.4	45	3077	2912	2139	1974
1 × 185	16.1	10.5	2.5	47	3492	3313	2356	2176
1 × 240	18.3	10.5	2.5	50	4137	3948	2644	2455
1 × 300	20.6	10.5	2.6	52	4832	4626	2958	2752
1 × 400	23.3	10.5	2.7	55	5959	5734	3362	3137
1 × 500	26.7	10.5	2.8	61	6951	6685	3871	3605
1 × 630	30.4	10.5	2.9	61	8435	8155	4452	4172

表 2 26/35kV 三芯交联聚乙烯绝缘氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

Table1 26/35kV Structure and weight of single-core XLPE insulated PVC/PE sheathed power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx. overall dinameter (mm)	电缆近似重量 Approx. weight kg/km			
					YJV	YJY	YJLV	YJLY
3 × 50	8.1	10.5	3.5	81	6202	5802	5311	4911
3 × 70	9.9	10.5	3.6	85	7142	6709	5856	5423
3 × 95	11.5	10.5	3.8	89	8310	7833	6524	6047
3 × 120	12.9	10.5	3.9	92	9312	8804	7059	6551
3 × 150	14.3	10.5	4.0	96	10447	9908	7667	7128
3 × 185	16.0	10.5	4.1	99	11891	11315	8413	7837
3 × 240	18.4	10.5	4.3	105	14082	13444	9514	8876

表3 26/35kV 三芯交联聚乙烯绝缘钢带铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

Table1 26/35kV Structure and weight of three-core XLPE insulated steel tape armored PVC/PE sheathed power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Normal thickness of insulaion (mm)	钢带厚度 thickness of steeltane (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
							YJV <sub>32</sub>	YJY <sub>33</sub>	YJLV <sub>32</sub>	YJLY <sub>33</sub>
3 × 50	8.1	10.5	2.0	0.8	3.8	90	9691	8974	8800	8083
3 × 70	9.9	10.5	2.0	0.8	3.9	94	10788	10023	9502	8737
3 × 95	11.5	10.5	2.0	0.8	4.0	98	12107	11283	10321	9497
3 × 120	12.9	10.5	2.0	0.8	4.1	101	13232	12366	10979	10113
3 × 150	14.3	10.5	2.0	0.8	4.2	104	14560	13635	11780	10855
3 × 185	16.0	10.5	2.0	0.8	4.3	108	16152	15176	12674	11698
3 × 240	18.4	10.5	2.0	0.8	4.5	114	18644	17568	14075	12999

表4 26/35kV 单芯交联聚乙烯绝缘细钢带铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

Table4 26/35kV Structure and weight of single-core XLPE insulated steel wire armored PVC/PE sheathed power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Normal thickness of insulaion (mm)	钢带厚度 thickness of steeltane (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
							YJV <sub>32</sub>	YJY <sub>33</sub>	YJLV <sub>32</sub>	YJLY <sub>33</sub>
3 × 50	8.1	10.5	1.3	2.5	2.5	47	3960	3728	3669	3437
3 × 70	9.9	10.5	1.3	2.5	2.5	49	4334	4091	3914	3671
3 × 95	11.5	10.5	1.3	2.5	2.6	51	4767	4508	4183	3924
3 × 120	12.9	10.5	1.4	2.5	2.6	52	5171	4895	4435	4161
3 × 150	14.3	10.5	1.4	2.5	2.7	54	5613	5323	4705	4414
3 × 185	16.0	10.5	1.4	2.5	2.7	56	6125	5825	4988	1688
3 × 240	18.4	10.5	1.5	2.5	2.8	58	6953	6622	5460	5130
3 × 300	20.6	10.5	1.5	2.5	2.9	61	7786	7432	5912	5557
3 × 400	23.3	10.5	1.6	2.5	3.0	64	8880	8491	6693	6094
3 × 500	26.7	10.5	1.6	2.5	3.1	70	10322	9889	7242	6809
3 × 630	30.4	10.5	1.7	2.5	3.2	74	12099	11619	8116	7637

表5 26/35kV 三芯交联聚乙烯绝缘细丝铠装聚氯乙烯 / 聚乙烯护套电力电缆结构尺寸及重量

Table1 26/35kV Structure and weight of three-core XLPE insulated thin steel wire armored PVC/PE sheathed power cable

标称截面 Nominal Cross sectional area of conductor (mm <sup>2</sup> )	导体外径 Overall diameter of conductor (mm)	绝缘标称厚度 Nominal thickness of insulation (mm)	内衬层厚度 Normal thickness of insulaion (mm)	钢带厚度 thickness of steeltane (mm)	护套标称厚度 Nominal thickness of sheath (mm)	电缆近似外径 Approx.overall dinameter (mm)	电缆近似重量 Approx.weight kg/km			
							YJV <sub>32</sub>	YJY <sub>33</sub>	YJLV <sub>32</sub>	YJLY <sub>33</sub>
3 × 50	8.1	10.5	2.1	3.15	3.9	91	12049	11315	1158	10424
3 × 70	9.9	10.5	2.1	3.15	4.0	95	13133	12350	11847	11064
3 × 95	11.5	10.5	2.2	3.15	4.2	99	14772	13915	12985	12128
3 × 120	12.9	10.5	2.3	3.15	4.3	103	16057	15143	13804	12890
3 × 150	14.3	10.5	2.3	3.15	4.4	106	17420	16460	14640	13680
3 × 185	16.0	10.5	2.4	3.15	4.5	110	19213	18186	15734	14707



※交联聚乙烯绝缘电力电缆允许持续载流量 XLPE power cable allows continuous load flow

0.6/1kV 交联聚乙烯绝缘电力电缆允许持续载流量 (A)

Allowed current-ratings of XLPE insulated power cable for rated voltages up to 0.6/1kv

型号 Type	YJV、YJLV、YJV <sub>22</sub> 、YJLV <sub>22</sub> 、YJY、YJLY、YJY <sub>23</sub> 、 YJLY <sub>23</sub> 、YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、YJV <sub>42</sub> 、 YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub> 、				YJV、YJLV、YJY、YJLY								
	二芯、三芯、四芯、三+一芯、三+二芯 四+一芯、五芯 2-core、3-core、4-core、(3+1)-core、(3+2)-core、 (4+1)-core、5-core				单芯 Single cores								
敷设 Installation	①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ C.m/W}$		①空气中 In the air				②土壤中 Under the ground $\rho \omega = 1.0 \text{ C.m/W}$				
	单芯电缆排列方式 Arrangement of single cable				①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat		
缆芯材质 Material of con.	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	
标称截面 mm <sup>2</sup> Nominal Cross sectional area of conductor	1.5	20	17	31	26	22	32	25	33	27	35	29	
	2.5	27	21	41	32	34	26	42	33	43	32	46	36
	4	35	28	53	42	44	35	56	44	56	42	59	47
	6	45	36	66	54	56	45	70	57	70	54	74	60
	10	63	49	90	69	77	59	97	75	94	69	99	76
	16	84	65	117	91	100	78	125	99	120	90	128	99
	25	113	88	151	117	130	100	165	125	155	115	164	128
	35	139	108	181	140	160	125	200	155	185	135	197	153
	50	161	125	210	163	195	150	245	190	220	165	232	180
	70	204	158	257	200	245	190	305	240	270	200	285	221
	95	252	195	310	240	300	230	375	290	320	240	342	265
	120	291	226	351	273	350	270	435	340	365	275	388	301
	150	333	258	393	305	400	310	500	390	410	310	436	338
	185	385	299	445	346	465	360	580	450	465	355	496	385
	240	457	356	516	402	550	430	685	535	540	410	577	449
	300	527	410	583	454	635	495	795	615	610	465	654	508
	400	-	-	-	-	745	590	930	730	695	535	749	585
500	-	-	-	-	860	685	1080	850	780	610	858	673	
630	-	-	-	-	990	800	1250	1000	880	695	981	774	
环境温度 Environmental temp.(°C)	40		25		40				25				
线芯最高工作温度 Max operating temp of con (°C)	90												

6/6kV(6/10kV)交联聚乙烯绝缘电力电缆允许持续载流量(A)

Allowed current-ratings of XLPE insulated power cable for rated voltages up to 6/6kV(6/10kV)(A)

型号 Type		YJV、YJLV、YJV <sub>22</sub> 、YJLV <sub>22</sub> 、YJY、YJLY、YJY <sub>23</sub> 、 YJLY <sub>23</sub> 、YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、YJV <sub>42</sub> 、 YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub> 、				YJV、YJLV、YJY、YJLY YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、 YJV <sub>42</sub> 、YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub>							
		三芯 3-core				单芯 Single cores							
敷设 Installation		①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$		①空气中 In the air				②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$			
						①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat	
单芯电缆排列方式 Arrangement of single cable		①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$		①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat	
缆芯材质 Material of con.		铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al
标称截面 mm <sup>2</sup> Nominal Cross sectional area of conductor	25	132	103	154	130	140	110	165	130	150	115	160	120
	35	159	124	184	155	170	135	205	155	180	135	190	145
	50	190	147	217	190	205	160	245	190	215	160	225	175
	70	236	183	266	235	260	200	305	235	265	200	275	215
	95	286	222	318	290	315	245	370	290	315	240	330	255
	120	328	255	360	335	360	280	430	335	360	270	375	290
	150	372	288	404	380	410	320	490	380	405	305	425	330
	185	425	330	456	435	470	365	560	435	455	345	480	370
	240	500	389	529	515	555	435	665	515	530	400	555	435
	300	572	445	597	595	640	500	765	595	595	455	630	490
	400	659	516	678	695	745	585	890	695	680	520	725	565
	500	-	-	-	810	855	680	1030	810	765	595	825	650
630	-	-	-	950	980	790	1190	950	860	680	940	745	
环境温度 Environmental temp.(°C)		40		25		40				25			
线芯最高工作温度 Max operating temp of con (°C)		90											

8.7/10kV(8.7/15kV)交联聚乙烯绝缘电力电缆允许持续载流量(A)  
Allowed current-ratings of XLPE insulated power cable for rated voltages up to 8.7/10kV(8.7/15kV)(A)

型号 Type	YJV、YJLV、YJV <sub>22</sub> 、YJLV <sub>22</sub> 、YJY、YJLY、YJY <sub>23</sub> 、 YJLY <sub>23</sub> 、YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、YJV <sub>42</sub> 、 YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub>				YJV、YJLV、YJY、YJLY YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、 YJV <sub>42</sub> 、YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub>								
	三芯 3-core				单芯 Single cores								
敷设 Installation	①空气中 In the air				②土壤中 Under the ground $\rho \omega = 1.0 \text{ C} \cdot \text{m/W}$				①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ C} \cdot \text{m/W}$		
	单芯电缆排列方式 Arrangement of single cable				①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat		
缆芯材质 Material of con.	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	
标称截面 mm <sup>2</sup> Nominal Cross sectional area of conductor	25	134	104	154	120	140	110	165	130	150	115	160	120
	35	161	125	184	143	170	135	205	155	180	135	190	145
	50	192	149	217	168	205	160	245	190	215	160	225	175
	70	239	185	266	206	260	200	305	235	265	200	275	215
	95	289	224	318	246	315	245	370	290	315	240	330	255
	120	331	257	360	280	360	280	430	335	360	270	375	290
	150	374	290	404	313	410	320	490	380	405	305	425	330
	185	427	332	456	355	470	365	560	435	455	345	480	370
	240	502	391	529	411	555	435	665	515	530	400	555	435
	300	573	446	597	465	640	500	765	595	595	455	630	490
	400	660	517	678	532	745	585	890	695	680	520	725	565
	500	-	-	-	-	855	680	1030	810	765	595	825	650
630	-	-	-	-	980	790	1190	950	860	680	940	745	
环境温度 Environmental temp.(°C)	40				25				40		25		
线芯最高工作温度 Max operating temp of con (°C)	90												

26/35kV 交联聚乙烯绝缘电力电缆允许持续载流量 (A)

Allowed current-ratings of XLPE insulated power cable for rated voltages up to 26/35kV(A)

型号 Type		YJV、YJLV、YJV <sub>22</sub> 、YJLV <sub>22</sub> 、YJY、YJLY、YJY <sub>23</sub> 、 YJLY <sub>23</sub> 、YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、YJV <sub>42</sub> 、 YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub> 、				YJV、YJLV、YJY、YJLY YJV <sub>32</sub> 、YJLV <sub>32</sub> 、YJV <sub>33</sub> 、YJLV <sub>33</sub> 、 YJV <sub>42</sub> 、YJLV <sub>42</sub> 、YJV <sub>43</sub> 、YJLV <sub>43</sub>							
		三芯 3-core				单芯 Single cores							
敷设 Installation		①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$		①空气中 In the air				②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$			
						①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat	
单芯电缆排列方式 Arrangement of single cable		①空气中 In the air		②土壤中 Under the ground $\rho \omega = 1.0 \text{ } ^\circ\text{C} \cdot \text{m/W}$		①三角排序 Trefoil		②扁平排序 Flat		①三角排序 Trefoil		②扁平排序 Flat	
缆芯材质 Material of con.		铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al	铜 Cu	铝 Al
标称截面 mm <sup>2</sup> Nominal Cross sectional area of conductor	50	192	149	217	168	205	160	245	190	215	160	225	175
	70	239	185	266	206	260	200	305	235	265	200	275	215
	95	289	224	318	246	315	245	370	290	315	240	330	255
	120	331	257	360	280	360	280	430	335	360	270	375	290
	150	374	290	404	313	410	320	490	380	405	305	425	330
	185	427	332	456	355	470	365	560	435	455	345	480	370
	240	502	391	529	411	555	435	665	515	530	400	555	435
	300	573	446	597	465	640	500	765	595	595	455	630	490
	400	660	517	678	532	745	585	890	695	680	520	725	565
	500	-	-	-	-	855	680	1030	810	765	595	825	650
630	-	-	-	-	980	790	1190	950	860	680	940	745	
环境温度 Environmental temp.(°C)		40		25		40				25			
线芯最高工作温度 Max operating temp of con (°C)		90											

※环境条件对电缆载流量的修正系数

Cable coefficient of ambient condition to current-ratings

(1)土壤敷设 Installation in ground

1-1 土壤敷设温度 Change of ground Temperature

土壤温度 Ground temperature °C	15	20	25	30	35	40	45
系数 Coefficient	1.07	1.04	1.0	0.96	0.92	0.87	0.83

1-2 土壤敷热阻变化 Change Installation depth

土壤热阻 Hot resistance °C . cm/W	1.0	1.2	1.5	2.0	2.5	3.0	3.5
系数 Coefficient	1.0	0.943	0.877	0.792	0.736	0.675	0.641
单芯电缆 Single-core cable	1.0	0.943	0.850	0.748	0.692	0.635	0.598

1-3 土壤敷深度变化 Change Installation depth

土壤热阻 Hot resistance °C . cm/W	0.6/1kV
0.50-0.70	1.00
0.71-0.91	0.96
0.91-1.10	0.94
1.11-1.40	0.92

1-4 多芯电缆水平敷设组间距离变化 Distance change of multi-core cables when flat installed

间距 Distance m	回路 Loop numbers						
	2	3	4	5	6	8	10
相互接触器 Touch each other	0.79	0.69	0.63	0.58	0.56	0.50	0.46
0.07	0.85	0.75	0.68	0.68	0.60	0.56	0.53
0.25	0.87	0.79	0.75	0.75	0.69	0.66	0.64

注：表中给出系数也适用于三个单芯电线的多回路  
Annotation: Coefficients in the table are suitable to multi-loop with three single-core cables.

(2)空气敷设 Installation in air

1-1 土壤敷设温度 Change of ground Temperature

土壤温度 Ground temperature °C	20	25	30	35	40	45	50
系数 Coefficient	1.18	1.14	1.10	1.05	1.0	0.95	0.89

※允许短路电流 Allowed short circuit current

(1) 导体的允许短路电流(单位: kV)

根据 IEC949、IEC986 计算交联聚乙烯电缆导体允许短路电流, 导体短路前温度 90℃, 短路后温度 250℃

(1) Allowed short circuit current of conductor(Unit:kA)

Allowed short circuit current of XLPE insulated cable conductor is calculated according to IEC949、IEC986 temperature is 90℃ before short circuit, 250℃ after short circuit.

导体标称截面 Normal cross-sectional area of conductor	短路持续时间 (S) Short circuit continuing time (s)					
	铜导体 C u			铝导体 A l		
	1	2	3	1	2	3
1.5	0.12	0.08	0.07	0.12	0.09	0.07
2.5	0.32	0.22	0.18	0.21	0.15	0.12
4	0.50	0.36	0.29	0.33	0.23	0.19
6	0.76	0.54	0.44	0.49	0.35	0.28
10	1.3	0.89	0.73	0.82	0.58	0.47
16	2.0	1.4	1.2	1.3	0.93	0.76
25	3.8	2.7	2.2	2.5	1.8	1.5
35	5.2	3.7	3.0	3.5	2.5	2.1
50	7.6	5.3	4.3	4.9	3.5	2.9
70	10.3	7.3	6.0	6.8	4.9	4.1
95	13.9	9.9	8.1	9.2	6.5	5.4
120	17.5	12.5	10.2	11.6	8.2	6.8
150	21.8	15.5	12.8	14.4	10.3	8.4
185	26.9	19.1	15.7	17.7	12.6	10.4
240	34.8	24.7	20.3	23.0	16.3	13.4
300	43.4	30.9	25.3	28.7	20.4	16.7
400	57.8	41.1	33.6	38.2	27.1	22.2
500	72.2	51.3	42.0	47.7	33.8	27.7
630	90.9	64.5	52.8	60.0	42.6	34.9

(2) 金属屏蔽 / 金属护套允许短路电流 (单位 kV)

35kV 及以下铜带屏蔽电缆

根据 IEC949、IEC986 计算交联电缆铜带屏蔽允许短路电流。

(2) Allowed short circuit current of metallic shielding/metallic sheath (Unit kA)

Cu tape shielded cable for rated voltages up to 35kV and hereinafter

Allowed short circuit current of Cu tape shielding of XLPE insulated cable is calculated according to IEC949、IEC986

导体标称截面 Normal cross-sectional area of conductor	铜导体 C u		
	1	2	3
单芯电缆 Single-core cable	0.204a	0.173a	0.141a
三芯电缆 Three-core cable	0.248a	0.194a	0.158a

注: 表中 a 一铜带屏蔽有效截面 (mm<sup>2</sup>) Annotation: a in the table valid cross area of Cu tape shielding (mm<sup>2</sup>)