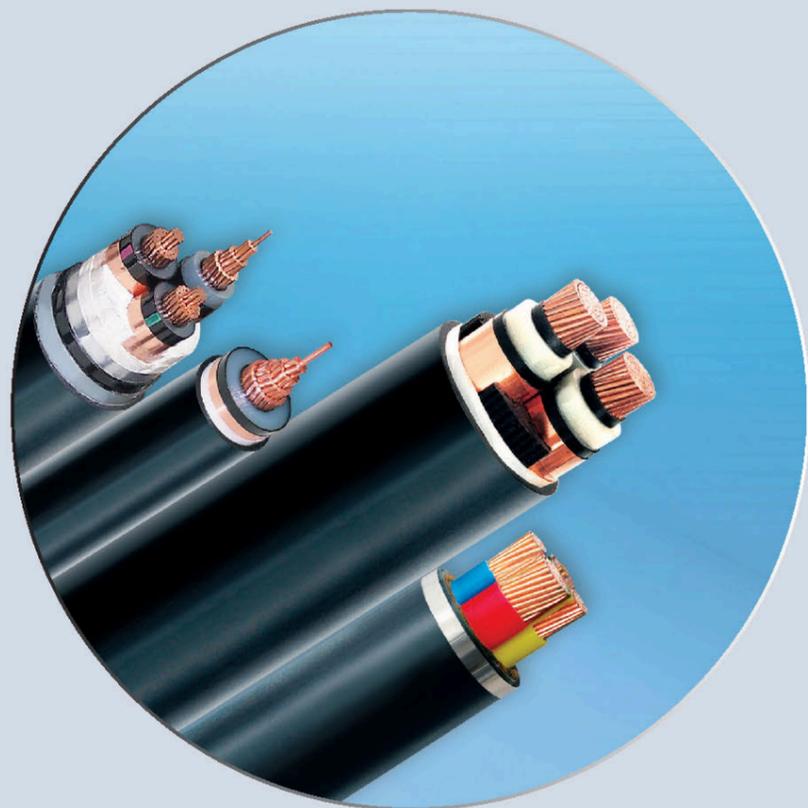




交联聚乙烯绝缘电力电缆 XLPE insulated power cable



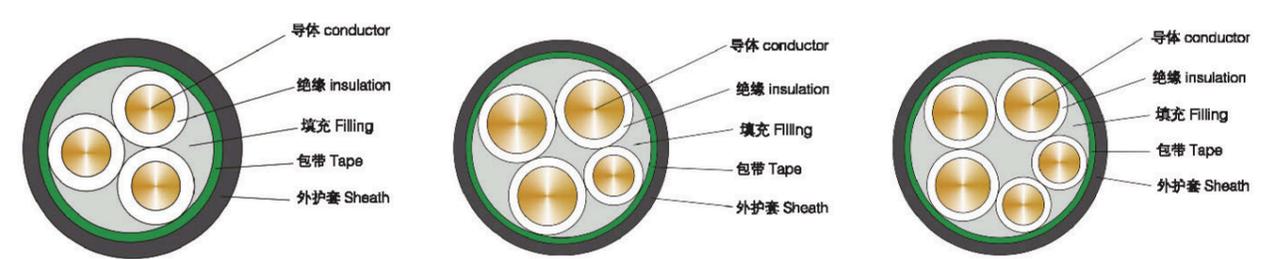
- p15 0.6/1kV交联聚乙烯绝缘电力电缆0.6/1kV
XLPE insulated power cable
- p37 70年长寿命建筑用电力电缆
Long life electric cable for building 70 years
- p39 6/35kV交联聚乙烯绝缘电力电缆
6/35kV XLPE insulated power cable

额定电压0.6/1kV交联聚乙烯绝缘电力电缆 XLPE insulated power cables with rated voltage of 0.6/1kV

1. 执行标准 Implementation standards
GB/T12706.1-2008、GB/T19666-2005。

2. 用途 Use
电缆适用于固定敷设在交流50Hz, 额定电压0.6/1kV及以下的输配电线路上作输送电能用。
The cable is suitable for the fixed laying in the AC 50Hz, rated voltage 0.6/1kV and the following transmission and distribution lines on the road for transmission of electricity can be used.

3. 电缆结构示意图 Schematic diagram of cable structure



4. 使用特性 Use characteristics

- 4.1 电缆的导体最高工作温度为90°C。
- 4.2 短路时(最长持续时间不超过5s)电缆导体最高工作温度为250°C, 过载温度不超过130°C。
- 4.3 敷设时环境温度不低于0°C, 聚乙烯护套电缆敷设时环境温度不低于-15°C。
- 4.4 弯曲半径(表1)
- 4.1 The maximum operating temperature of the conductor of the cable is 90°C.
- 4.2 When short circuit (the longest duration does not exceed 5S) the maximum operating temperature of the cable conductor is 250, and the overload temperature is no more than 130.
- 4.3 When laying the ambient temperature is not less than 0 degrees Celsius, the temperature of the environment of the cable laying is not less than -15°C.
- 4.4 Bending radius (Table 1)

项目 project	单芯电缆 Single-core cable		三芯电缆 Three core cable	
	无铠装 Unarmored	有铠装 Armoured	无铠装 Unarmored	有铠装 Armoured
安装时的电缆最小弯曲半径 Minimum bending radius of cable at installation time	20D	15D	15D	12D
靠近连接盒和终端的电缆最小弯曲半径(但要小心控制, 如采用成型导板) Near the junction box and the minimum bending radius of cable terminal (but be careful control, such as the use of molding plate)	15D	12D	12D	10D

注: D为电缆外径。 Note: D for cable outside diameter

4.5 敷设时不受水平落差限制。

4.6 电缆阻燃耐火性能满足GB/T19666-2005标准中相应指标要求。

5. 产品型号(表2)

4.5 When laying is not limited by the level of gap.

4.6 The fire resistance of the cable meets the requirements of the GB/T19666-2005 standard.

5. Product model (Table 2)

型号 Model		名称 Name
铜芯 Copper core	铝芯 Aluminum core	
YJV	YJLV	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed power cable
YJV22(62)	YJLV22(62)	铜(铝)芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed power cable.
YJV32(72)	YJLV32(72)	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core XLPE insulated steel wire armoured PVC sheathed power cable
YJY	YJLY	铜(铝)芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed power cable
YJY23(63)	YJLY23(63)	铜(铝)芯交联聚乙烯绝缘钢带聚乙烯护套电力电缆 Copper (aluminum) core XLPE insulated steel sheathed power cable
YJY33(73)	YJLY33(73)	铜(铝)芯交联聚乙烯绝缘钢丝聚乙烯护套电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed power cable wire
Z(A\B\C)-YJV	Z(A\B\C)-YJLV	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed flame retardant power cable
Z(A\B\C)-YJV22(62)	Z(A\B\C)-YJLV22(62)	铜(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 Copper (aluminum) core XLPE insulation PVC sheathed flame retardant power cable
Z(A\B\C)-YJV32(72)	Z(A\B\C)-YJLV32(72)	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core XLPE insulated steel wire armoured PVC sheathed flame retardant power cable
N-YJV	/	铜芯交联聚乙烯绝缘聚氯乙烯护套耐火电力电缆 Copper core XLPE insulated PVC sheathed power cable
N-YJV22(62)	/	铜芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆 Copper core XLPE insulated PVC sheathed power cable fire
N-YJV32(73)	/	铜芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套耐火电力电缆 Copper core XLPE insulated steel wire armoured PVC sheathed power cable fire

表 2

型号 Model		名称 Name
铜芯 Copper core	铝芯 Aluminum core	
Z(A\B\C)N-YJV	Z(A\B\C)N-YJLV	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core XLPE insulated PVC sheathed flame retardant power cable
Z(A\B\C)N-YJV22(62)	Z(A\B\C)N-YJLV22(62)	铜(铝)芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core XLPE insulated steel tape armoured PVC sheathed flame retardant power cable
Z(A\B\C)N-YJV32(72)	Z(A\B\C)N-YJLV32(72)	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core XLPE insulated steel wire armoured PVC sheathed flame retardant power cable
WDZ(A\B\C)-YJY	WDZ(A\B\C)-YJLY	铜(铝)芯交联聚乙烯绝缘无卤低烟聚烯烃护套阻燃电力电缆 Copper (aluminum) core XLPE insulated low smoke halogen-free polyolefin sheathed flame retardant power cable
WDZ(A\B\C)-YJY23(63)	WDZ(A\B\C)-YJLY23(63)	铜(铝)芯交联聚乙烯绝缘钢带铠装无卤低烟聚烯烃护套阻燃电力电缆 Copper (aluminum) core XLPE insulation low smoke halogen-free polyolefin sheathed flame retardant power cable
WDZ(A\B\C)-YJY33(73)	WDZ(A\B\C)-YJLY33(73)	铜(铝)芯交联聚乙烯绝缘钢丝铠装无卤低烟聚烯烃护套阻燃电力电缆 Copper (aluminum) core XLPE insulated steel wire armoured low smoke halogen-free polyolefin sheathed flame retardant power cable
WDZ(A\B\C)N-YJY	/	铜芯交联聚乙烯绝缘无卤低烟聚烯烃护套阻燃耐火电力电缆 Copper core XLPE insulated low smoke halogen-free flame retardant polyolefin sheathed power cable fire
WDZ(A\B\C)N-YJY23(63)	/	铜芯交联聚乙烯绝缘钢带铠装无卤低烟聚烯烃护套阻燃耐火电力电缆 Copper core XLPE insulation low smoke halogen-free flame retardant polyolefin sheathed power cable fire
WDZ(A\B\C)N-YJY33(73)	/	铜芯交联聚乙烯绝缘钢丝铠装无卤低烟聚烯烃护套阻燃耐火电力电缆 Copper core XLPE insulated steel wire armoured low smoke halogen-free flame retardant polyolefin sheathed power cable fire

续表 2

注: ZR(A\B\C)等同于Z(A\B\C), NH等同于N, YJF等同于YJ, 6代表非磁性金属带, 7代表非磁性金属丝。

Note: ZR (A\B\C) is equivalent to Z (A\B\C), NH equivalent to N, YJF equivalent to YJ, 6 on behalf of the non magnetic metal belt, 7 on behalf of the non magnetic metal wire.

6. 电缆结构尺寸 (表3~表26)

6. Cable structure size (Table 3 to table 26)

6.1 0.6/1kV YJV交联聚乙烯绝缘电力电缆结构尺寸 (表3~表10)

6.1 0.6/1kV YJV XLPE power cable structure size (Table 3 and table 10)

表3 1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insula- tion thickness (mm)	外护套 厚度 Outer sheath thick- ness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)														
				铜芯 Copper core								铝芯 Aluminum core						
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY
1×1.5	0.7	1.4	6.2	49	50	50	59	40	52	52	63	63	40	41	41	31	43	43
1×2.5	0.7	1.4	6.6	62	63	63	72	52	65	65	76	76	46	47	47	36	49	49
1×4	0.7	1.4	7.1	79	81	81	91	69	83	83	95	95	55	56	56	44	58	58
1×6	0.7	1.4	7.6	101	103	103	114	90	105	105	118	118	64	66	66	53	68	68
1×10	0.7	1.4	8.7	148	149	149	162	134	151	153	167	166	86	87	87	72	89	91
1×16	0.7	1.4	9.6	211	210	210	226	195	213	216	232	229	112	111	111	96	114	117
1×25	0.9	1.4	11.2	308	309	309	325	289	312	314	332	330	153	154	154	135	157	159
1×35	0.9	1.4	12.2	406	407	407	425	386	411	413	433	431	189	191	191	169	194	196
1×50	1.0	1.4	13.6	560	566	566	582	542	570	572	595	593	251	256	256	232	261	263
1×70	1.1	1.4	15.3	759	765	765	784	739	770	773	799	795	326	332	332	305	337	340
1×95	1.1	1.5	17.2	1006	1014	1014	1033	980	1020	1022	1051	1048	418	426	426	392	432	434
1×120	1.2	1.5	18.9	1250	1260	1260	1279	1222	1266	1268	1298	1297	507	517	517	479	524	525
1×150	1.4	1.6	21.0	1557	1567	1567	1590	1522	1575	1578	1611	1609	628	639	639	594	646	649
1×185	1.6	1.6	23.0	1902	1914	1914	1938	1864	1922	1925	1962	1959	757	768	768	719	777	780
1×240	1.7	1.7	25.7	2438	2453	2453	2478	2393	2463	2465	2506	2504	953	967	967	907	978	979
1×300	1.8	1.8	28.2	3023	3038	3038	3067	2969	3050	3053	3098	3094	1166	1181	1181	1112	1193	1196
1×400	2.0	1.9	32.1	3990	4010	4010	4039	3924	4025	4025	4075	4075	1514	1534	1534	1448	1549	1549
1×500	2.2	2.0	35.0	4959	4974	4974	5014	4881	4990	4999	5054	5045	1864	1879	1879	1786	1895	1904
1×630	2.4	2.2	39.8	6231	6257	6257	6292	6132	6278	6278	6340	6340	2332	2357	2357	2233	2378	2378

表4 2芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insula- tion thickness (mm)	外护套 厚度 Outer sheath thick- ness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)														
				铜芯 Copper core								铝芯 Aluminum core						
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY
2×1.5	0.7	1.8	9.6	128	122	130	147	109	126	133	152	159	109	103	111	90	107	115
2×2.5	0.7	1.8	10.4	164	167	166	194	142	171	169	198	197	133	136	134	111	140	138
2×4	0.7	1.8	11.4	201	205	203	233	177	209	208	238	236	151	155	153	127	159	158
2×6	0.7	1.8	12.3	247	250	249	281	221	255	255	287	284	173	176	174	146	181	180
2×10	0.7	1.8	14.6	365	373	365	410	332	379	374	417	404	240	249	240	208	254	249
2×16	0.7	1.8	16.4	494	500	491	543	457	506	505	551	535	295	301	292	257	307	305
2×25	0.9	1.8	19.6	708	719	708	764	663	727	721	773	757	397	407	397	352	415	410
2×35	0.9	1.8	21.6	923	937	924	985	874	946	938	995	977	487	501	488	438	510	502
2×50	1.0	1.8	25.2	1298	1248	1305	1301	1246	1259	1321	1313	1364	675	626	683	623	636	698
2×70	1.1	1.8	28.6	1704	1654	1711	1714	1644	1666	1731	1728	1776	832	782	839	772	794	859
2×95	1.1	2.0	32.4	2219	2173	2230	2238	2142	2188	2251	2254	2305	1036	990	1046	959	1005	1067
2×120	1.2	2.1	36.0	2731	2689	2746	2757	2641	2707	2767	2776	2830	1237	1195	1252	1147	1213	1273
2×150	1.4	2.2	40.0	3358	3315	3372	3393	3251	3336	3399	3415	3465	1490	1447	1504	1383	1468	1531
2×185	1.6	2.3	44.2	4136	4054	4152	4138	4012	4078	4183	4164	4255	1832	1750	1848	1708	1774	1879
2×240	1.7	2.5	49.6	5250	5174	5272	5264	5097	5203	5305	5295	5389	2261	2185	2283	2108	2214	2316
2×300	1.8	2.7	54.6	6465	6388	6486	6491	6281	6423	6529	6528	6618	2729	2652	2750	2544	2687	2793

表5 3芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insula- tion thickness (mm)	外护套 厚度 Outer sheath thick- ness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)														
				铜芯 Copper core								铝芯 Aluminum core						
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY
3×1.5	0.7	1.8	10.0	150	144	151	174	129	147	155	179	186	122	116	123	101	119	127
3×2.5	0.7	1.8	10.9	186	180	188	213	164	185	192	218	225	140	134	142	117	138	146
3×4	0.7	1.8	12.0	239	233	241	268	213	238	246	273	281	164	158	166	139	163	171
3×6	0.7	1.8	13.0	304	298	306	336	277	303	312	342	349	192	186	194	164	191	200
3×10	0.7	1.8	15.4	471	453	471	499	437	459	481	506	520	284	266	284	250	272	294
3×16	0.7	1.8	17.4	658	636	654	691	618	643	669	700	708	359	337	355	319	344	370
3×25	0.9	1.8	20.8	961	971	961	1030	913	980	975	1040	1023	494	504	494	446	513	508
3×35	0.9	1.8	23.2	1257	1268	1257	1330	1203	1278	1273	1341	1324	603	614	603	549	624	619
3×50	1.0	1.8	26.8	1732	1752	1739	1822	1676	1763	1757	1835	1815	798	818	805	742	829	823
3×70	1.1	1.9	30.7	2564	2436	2570	2519	2495	2450	2594	2534	2657	1257	1128	1263	1188	1142	1286
3×95	1.1	2.0	34.6	3298	3175	3309	3263	3216	3191	3332	3280	3407	1523	1400	1534	1441	1416	1557
3×120	1.2	2.1	38.4	4047	3928	4063	4021	3950	3947	4085	4041	4172	1805	1686	1821	1708	1706	1844
3×150	1.4	2.3	43.0	4981	4861	4995	4968	4860	4884	5026	4993	5119	2179	2059	2193	2058	2082	2224
3×185	1.6	2.4	47.5	6096	5937	6113	6054	5956	5964	6148	6083	6249	2640	2481	2657	2500	2508	2692
3×240	1.7	2.6	53.3	7729	7577	7752	7703	7557	7610	7790	7737	7908	3245	3093	3268	3073	3126	3306
3×300	1.8	2.8	58.6	9509	9355	9530	9499	9302	9394	9579	9540	9705	3905	3751	3926	3698	3790	3975
3×400	2.0	3.1	67.2	12479	12338	12514	12491	12214	12388	12564	12542	12718	5007	4866	5041	4742	4916	5091

表6 4芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insula- tion thickness (mm)	外护套 厚度 Outer sheath thick- ness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)														
				铜芯 Copper core								铝芯 Aluminum core						
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY
4×1.5	0.7	1.8	10.8	183	174	185	209	160	178	189	214	224	145	137	147	123	141	151
4×2.5	0.7	1.8	11.7	230	222	232	259	205	226	237	264	275	168	160	170	143	164	174
4×4	0.7	1.8	13.0	298	290	301	330	270	295	306	336	347	198	190	201	171	195	206
4×6	0.7	1.8	14.1	384	375	386	420	353	381	392	426	435	234	226	236	204	231	243
4×10	0.7	1.8	16.8	596	590	596	646	558	597	607	654	654	347	341	347	309	348	358
4×16	0.7	1.8	19.0	841	831	837	898	797	839	854	907	901	442	433	438	398	441	455
4×25	0.9	1.8	22.9	1221	1215	1220	1287	1168	1224	1236	1298	1295	598	592	597	545	601	613
4×35	0.9	1.8	25.3	1609	1604	1609	1682	1551	1615	1627	1694	1692	738	732	738	679	743	755
4×50	1.0	1.9	29.1	2239	2259	2246	2349	2174	2272	2267	2363	2342	993	1014	1001	929	1027	1021
4×70	1.1	2.0	33.4	3140	3086	3146	3192	3061	3102	3174	3209	3256	1397	1343	1403	1317	1358	1430
4×95	1.1	2.1	37.7	4110	4062	4122	4175	4015	4080	4149	4195	4246	1744	1695	1755	1649	1714	1782

表7 5芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
				铜芯 Copper core								铝芯 Aluminum core							
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY	
5×4	0.7	1.8	14.0	349	341	351	389	318	347	357	395	406	224	216	227	194	222	232	
5×6	0.7	1.8	15.2	454	446	456	499	421	452	464	506	515	268	259	270	234	265	277	
5×10	0.7	1.8	18.3	708	702	708	768	667	710	720	777	776	397	391	396	355	398	409	
5×16	0.7	1.8	20.7	1011	1001	1006	1080	963	1009	1025	1090	1083	513	503	508	465	511	527	
5×25	0.9	1.8	25.1	1482	1475	1481	1562	1423	1486	1499	1574	1571	703	697	702	645	707	720	
5×35	0.9	1.8	27.8	1965	1959	1965	2046	1900	1971	1984	2059	2056	875	869	875	810	881	894	
5×50	1.0	2.0	32.1	2755	2776	2763	2886	2679	2791	2787	2902	2879	1198	1219	1206	1122	1234	1230	
5×70	1.1	2.1	36.9	4090	3925	4096	4055	3997	3944	4129	4075	4230	1911	1746	1917	1817	1764	1949	
5×95	1.1	2.3	41.9	5316	5157	5328	5297	5198	5180	5361	5322	5482	2358	2199	2370	2240	2222	2403	
5×120	1.2	2.4	46.7	6547	6395	6566	6544	6410	6422	6598	6573	6737	2811	2659	2830	2674	2686	2862	
5×150	1.4	2.6	52.2	8076	7921	8092	8092	7906	7954	8136	8127	8285	3405	3251	3422	3236	3283	3465	
5×185	1.6	2.8	58.0	10011	9735	10029	9924	9806	9774	10080	9965	10245	4251	3975	4269	4046	4014	4320	
5×240	1.7	3.0	65.2	12697	12431	12725	12634	12449	12478	12779	12683	12970	5225	4959	5253	4976	5006	5306	
5×300	1.8	3.2	71.8	15626	15357	15650	15587	15331	15412	15720	15645	15923	6286	6016	6310	5990	6071	6379	
5×400	2.0	3.6	82.6	20548	20298	20592	20545	20163	20369	20663	20619	20913	8094	7844	8138	7709	7915	8209	

表9 3+2芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
				铜芯 Copper core								铝芯 Aluminum core							
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY	
3×2.5+2×1.5	0.7	1.8	12.2	242	234	244	276	216	238	249	282	292	176	168	179	151	173	184	
3×4+2×2.5	0.7	1.8	13.5	315	307	318	353	286	313	323	360	370	209	202	212	180	207	217	
3×6+2×4	0.7	1.8	14.7	412	404	414	455	380	410	421	462	471	250	242	253	218	248	259	
3×10+2×6	0.7	1.8	17.1	606	588	606	649	568	595	617	658	671	345	327	345	306	334	356	
3×16+2×10	0.7	1.8	19.8	890	881	887	956	844	889	903	965	960	467	458	463	421	466	480	
3×25+2×16	0.9	1.8	23.3	1294	1286	1291	1370	1239	1295	1309	1381	1376	627	619	625	573	629	643	
3×35+2×16	0.9	1.8	25.0	1583	1576	1581	1665	1525	1586	1600	1676	1671	730	723	728	672	733	747	
3×50+2×25	1.0	1.9	32.6	2282	2303	2290	2408	2209	2318	2314	2424	2401	1037	1058	1045	964	1072	1069	
3×70+2×35	1.1	2.0	37.2	3171	3119	3178	3240	3082	3137	3209	3259	3304	1427	1376	1435	1338	1393	1465	
3×95+2×50	1.1	2.2	42.4	4221	4174	4233	4306	4107	4196	4265	4330	4378	1823	1776	1836	1710	1799	1868	
3×120+2×70	1.2	2.3	47.7	5367	5324	5383	5469	5233	5350	5419	5497	5546	2253	2211	2270	2119	2237	2305	
3×150+2×70	1.4	2.4	51.7	6286	6242	6301	6400	6133	6271	6344	6432	6476	2612	2568	2627	2459	2597	2670	
3×185+2×95	1.6	2.6	57.8	7921	7825	7939	7999	7732	7861	7988	8037	8137	3281	3186	3300	3093	3222	3348	
3×240+2×120	1.7	2.8	64.9	10048	9962	10076	10148	9819	10006	10127	10194	10301	4070	3984	4098	3841	4028	4149	
3×300+2×150	1.8	3.0	71.8	12435	12345	12459	12557	12159	12397	12525	12612	12710	4962	4872	4987	4686	4924	5053	
3×400+2×185	2.0	3.2	72.6	15941	15859	15974	16083	15643	15915	16035	16141	16249	6164	6083	6197	5866	6139	6258	

表8 3+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
				铜芯 Copper core								铝芯 Aluminum core							
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY	
3×6+1×4	0.7	1.8	13.8	362	354	364	397	332	359	371	404	413	225	217	227	195	222	234	
3×10+1×6	0.7	1.8	16.1	537	520	538	572	501	526	548	580	593	313	295	313	277	302	324	
3×16+1×10	0.7	1.8	18.5	780	771	777	835	737	779	792	844	839	419	410	415	376	417	431	
3×25+1×16	0.9	1.8	21.9	1126	1119	1124	1190	1075	1128	1140	1200	1197	559	552	558	508	561	574	
3×35+1×16	0.9	1.8	26.4	1438	1432	1438	1506	1376	1443	1455	1518	1516	684	679	684	622	690	702	
3×50+1×25	1.0	1.8	26.4	1971	1990	1977	2074	1916	2001	1995	2086	2066	881	900	888	826	912	906	
3×70+1×35	1.1	1.9	30.1	2936	2800	2942	2897	2869	2813	2966	2912	3043	1411	1274	1417	1344	1288	1440	
3×95+1×50	1.1	2.1	34.3	3827	3695	3837	3801	3741	3712	3862	3820	3953	1741	1609	1751	1655	1625	1776	
3×120+1×70	1.2	2.2	38.4	4768	4639	4781	4755	4666	4659	4807	4776	4912	2090	1961	2104	1988	1981	2130	
3×150+1×70	1.4	2.3	41.9	5675	5545	5687	5674	5558	5568	5720	5698	5829	2437	2307	2449	2320	2330	2482	
3×185+1×95	1.6	2.5	46.7	7122	6892	7137	7033	6977	6919	7174	7063	7297	3074	2844	3089	2930	2872	3126	
3×240+1×120	1.7	2.7	52.4	8987	8764	9009	8917	8811	8798	9048	8952	9191	3756	3534	3779	3580	3567	3817	
3×300+1×150	1.8	2.9	57.9	11055	10829	11074	11003	10842	10870	11125	11045	11278	4516	4291	4536	4304	4331	4587	
3×400+1×185	2.0	3.1	65.9	14323	14110	14355	14296	14064	14159	14407	14346	14588	5699	5485	5730	5439	5534	5782	

表10 4+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
				铜芯 Copper core								铝芯 Aluminum core							
				YJV	ZAYJV	ZCYJV	NYJV	YJV	WDZA YJV	WDZC YJV	WDZAN YJV	WDZCN YJV	YJLV	ZA YJLV	ZC YJLV	YJLY	WDZA YJLY	WDZC YJLY	
4×6+1×4	0.7	1.8	15.0	433	425	435	477	400	431	443	484	493	259	251	261	226	257	268	
4×10+1×6	0.7	1.8	17.7	650	632	650	696	610	639	662	704	717	364	345	363	324	353	375	
4×16+1×10	0.7	1.8	20.3	951	941	947	1018	904	949	964	1028	1022	490	480	486	443	489	503	
4×25+1×16	0.9	1.8	24.2	1388	1380	1386	1466	1331	1391	1404	1478	1473	665	658	663	609	668	682	
4×35+1×16	0.9	1.8	26.4	1774	1767	1773	1859	1713	1779	1792	1872	1867	803	796	801	741	807	821	
4×50+1×25	1.0	1.9	32.6	2515	2535	2523	2644	2442	2550	2546	2660	2637	1114	1134	1122	1041	1149	1145	
4×70+1×35	1.1	2.1	37.4	3768	3604	3774	3731	3673	3622	3806	3751	3907	1806	1642	1813	1711	1661	1845	
4×95+1×50	1.1	2.2	42.4	4889	4730	4901	4868	4776	4753	4934	4892	5051	2211	2053	2224	2098	2075	2256	
4×120+1×70	1.2	2.4	47.9	6102	5948	6119	6099	5961	5976	6155	6128	6289	2677	2523	2694	2536	2551	2730	
4×150+1×70	1.4	2.5	51.9	7307	7151	7322	7319	7146	7182	7366	7352	7507	3135	2979	3150	2974	3010	3194	
4×185+1×95	1.6	2.7	58.0	9238	8913	9256	9096	9041	8950	9306	9136	9465	4038	3713	4056	3841	3751	4107	
4×240+1×120	1.7	2.9	65.1	11644	11329	11672	11526	11405	11374	11724	11574	11909	4919	4604	4947	4680	4649	4999	
4×300+1×150	1.8	3.1	72.0	14364	14049	14388	14274	14077	14103	14456	14330	14652	5957	5643	5981	5670	5696	6049	
4×400+1×185	2.0	3.4	77.6	18570	18270	18608	18505	18230	18333	18675	18571	18906	7455	7155	7493	7115	7218	7559	

6.2 0.6/1kV YJV22交联聚乙烯绝缘钢带铠装电力电缆结构尺寸(表11~表20)
6.2 0.6/1kV YJV22 XLPE power cable structure size (Table 11 and table 20)

表11 1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV62	ZA	ZC	N	YJV63	WDZA	WDZC	WDZAN	WDZCN	YJLV62	ZA	ZC	YJLY63	WDZA	WDZC	
1×10	0.7	2×0.2	1.8	11.9	297	293	297	292	249	293	297	291	291	235	232	235	187	232	235	
1×16	0.7	2×0.2	1.8	13.0	376	368	376	369	322	368	376	366	366	277	269	277	223	269	277	
1×25	0.9	2×0.2	1.8	14.4	495	490	495	488	433	490	495	487	487	341	336	341	279	336	341	
1×35	0.9	2×0.2	1.8	15.4	609	604	609	601	541	604	609	600	600	392	387	392	325	387	392	
1×50	1.0	2×0.2	1.8	16.8	779	774	779	770	704	774	779	770	770	469	464	469	395	464	469	
1×70	1.1	2×0.2	1.8	18.6	1004	997	1004	994	920	997	1004	992	992	571	564	571	487	564	571	
1×95	1.1	2×0.2	1.8	20.2	1267	1262	1267	1256	1174	1262	1267	1256	1256	679	674	679	586	674	679	
1×120	1.2	2×0.2	1.8	21.8	1533	1531	1533	1521	1432	1531	1533	1524	1524	790	788	790	689	788	790	
1×150	1.4	2×0.2	1.8	23.8	1897	1892	1897	1846	1773	1892	1897	1847	1847	969	963	969	844	963	969	
1×185	1.6	2×0.2	1.8	25.8	2273	2267	2273	2217	2136	2267	2273	2219	2219	1128	1122	1128	991	1122	1128	
1×240	1.7	2×0.2	1.8	28.2	2834	2832	2834	2774	2684	2832	2834	2779	2779	1349	1346	1349	1198	1346	1349	
1×300	1.8	2×0.2	1.9	30.8	3489	3483	3489	3390	3308	3483	3489	3394	3394	1632	1626	1632	1451	1626	1632	
1×400	2.0	2×0.2	2.0	35.0	4513	4513	4513	4439	4304	4513	4513	4450	4450	2037	2037	2037	1828	2037	2037	
1×500	2.2	2×0.5	2.2	39.2	5937	5916	5937	5850	5692	5916	5937	5843	5843	2842	2821	2842	2597	2821	2842	
1×630	2.4	2×0.5	2.3	44.3	7297	7297	7297	7202	7018	7297	7297	7218	7218	3398	3398	3398	3119	3398	3398	

表12 2芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV22	ZA	ZC	N	YJV23	WDZA	WDZC	WDZAN	WDZCN	YJLV22	ZA	ZC	YJLY23	WDZA	WDZC	
2×4	0.7	2×0.2	1.8	13.0	316	317	316	372	285	317	316	376	374	266	267	266	235	267	266	
2×6	0.7	2×0.2	1.8	13.9	374	374	374	432	341	374	374	434	432	299	299	299	266	299	299	
2×10	0.7	2×0.2	1.8	16.2	520	522	520	590	480	522	520	587	579	396	398	396	356	398	396	
2×16	0.7	2×0.2	1.8	18.0	674	670	674	747	629	670	674	738	730	475	470	475	429	470	475	
2×25	0.9	2×0.2	1.8	21.2	923	925	923	1004	870	925	923	1000	989	612	614	612	558	614	612	
2×35	0.9	2×0.2	1.8	23.2	1162	1166	1162	1248	1103	1166	1162	1245	1232	726	730	726	667	730	726	
2×50	1.0	2×0.2	1.8	26.3	1589	1522	1589	1607	1521	1522	1589	1604	1802	966	899	966	899	899	966	
2×70	1.1	2×0.2	1.9	29.9	2054	1982	2054	2080	1972	1982	2054	2072	2270	1182	1110	1182	1100	1110	1182	
2×95	1.1	2×0.2	2.0	33.5	2596	2529	2596	2629	2500	2529	2596	2629	2826	1413	1346	1413	1317	1346	1413	
2×120	1.2	2×0.5	2.2	38.5	3525	3461	3525	3584	3404	3461	3525	3590	3787	2030	1966	2030	1909	1966	2030	
2×150	1.4	2×0.5	2.3	42.5	4246	4174	4246	4313	4105	4174	4246	4313	4510	2378	2306	2378	2237	2306	2378	
2×185	1.6	2×0.5	2.4	46.7	5119	5005	5119	5153	4957	5005	5119	5154	5447	2814	2701	2814	2653	2701	2814	
2×240	1.7	2×0.5	2.6	52.1	6347	6241	6347	6393	6152	6241	6347	6405	6698	3358	3252	3358	3163	3252	3358	
2×300	1.8	2×0.5	2.8	57.1	7677	7562	7677	7734	7446	7562	7677	7741	8034	3941	3826	3941	3710	3826	3941	

表13 3芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV22	ZA	ZC	N	YJV23	WDZA	WDZC	WDZAN	WDZCN	YJLV22	ZA	ZC	YJLY23	WDZA	WDZC	
3×4	0.7	2×0.2	1.8	13.6	360	352	360	416	328	352	360	420	428	286	278	286	254	278	286	
3×6	0.7	2×0.2	1.8	14.6	439	429	439	497	404	429	439	499	507	327	317	327	292	317	327	
3×10	0.7	2×0.2	1.8	17.0	637	612	637	692	595	612	637	688	706	450	425	450	408	425	450	
3×16	0.7	2×0.2	1.8	19.0	850	817	850	910	802	817	850	899	917	551	518	551	503	518	551	
3×25	0.9	2×0.2	1.8	22.4	1191	1192	1191	1287	1134	1192	1191	1282	1272	724	725	724	667	725	724	
3×35	0.9	2×0.2	1.8	24.6	1511	1512	1511	1612	1448	1512	1511	1608	1597	857	858	857	794	858	857	
3×50	1.0	2×0.2	1.8	27.9	2044	2045	2044	2152	1972	2045	2044	2148	2135	1110	1111	1110	1037	1111	1110	
3×70	1.1	2×0.2	2.0	32.0	2940	2788	2940	2912	2848	2788	2940	2903	3038	1632	1481	1632	1540	1481	1632	
3×95	1.1	2×0.5	2.2	37.3	4084	3934	4084	4087	3967	3934	4084	4083	4217	2310	2159	2310	2192	2159	2310	
3×120	1.2	2×0.5	2.3	41.1	4916	4773	4916	4929	4781	4773	4916	4934	5069	2675	2532	2675	2539	2532	2675	
3×150	1.4	2×0.5	2.4	45.5	5935	5784	5935	5959	5778	5784	5935	5958	6092	3133	2981	3133	2976	2981	3133	
3×185	1.6	2×0.5	2.6	50.2	7175	6982	7175	7171	6987	6982	7175	7172	7347	3719	3526	3719	3531	3526	3719	
3×240	1.7	2×0.5	2.7	55.8	8909	8724	8909	8918	8692	8724	8909	8931	9107	4425	4240	4425	4208	4240	4425	
3×300	1.8	2×0.5	2.9	61.1	10812	10618	10812	10837	10556	10618	10812	10844	11020	5208	5014	5208	4951	5014	5208	
3×400	2.0	2×0.5	3.2	69.7	13962	13787	13962	14010	13641	13787	13962	14044	14219	6490	6314	6490	6169	6314	6490	

表14 4芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV22	ZA	ZC	N	YJV23	WDZA	WDZC	WDZAN	WDZCN	YJLV22	ZA	ZC	YJLY23	WDZA	WDZC	
4×4	0.7	2×0.2	1.8	14.6	431	420	431	495	396	420	431	499	510	331	321	331	297	321	331	
4×6	0.7	2×0.2	1.8	15.7	531	518	531	598	493	518	531	600	611	381	369	381	343	369	381	
4×10	0.7	2×0.2	1.8	18.4	779	765	779	860	733	765	779	855	861	530	516	530	484	516	530	
4×16	0.7	2×0.2	1.8	20.6	1053	1031	1053	1141	1000	1031	1053	1128	1133	655	632	655	602	632	655	
4×25	0.9	2×0.2	1.8	24.5	1476	1458	1476	1573	1413	1458	1476	1567	1572	853	836	853	790	836	853	
4×35	0.9	2×0.2	1.8	26.9	1893	1875	1893	1997	1823	1875	1893	1991	1997	1021	1003	1021	951	1003	1021	
4×50	1.0	2×0.2	1.9	30.8	2590	2590	2590	2721	2506	2590	2590	2716	2703	1345	1345	1345	1261	1345	1345	
4×70	1.1	2×0.2	2.1	35.3	3564	3483	3564	3636	3456	3483	3564	3625	3686	1820	1739	1820	1713	1739	1820	
4×95	1.1	2×0.5	2.3	41.0	4988	4909	4988	5097	4853	4909	4988	5092	5152	2622	2543	2622	2486	2543	2622	
4×120	1.2	2×0.5	2.4	45.3	6070	6001	6070	6191	5914	6001	6070	6198	6258	3081	3012	3081	2925	3012	3081	
4×150	1.4	2×0.5	2.6	50.3	7418	7337	7418	7555	7229	7337	7418	7553	7614	3682	3601	3682	3493	3601	3682	
4×185	1.6	2×0.5	2.7	55.4	9337	9022	9337	9255	9121	9022	9337	9256	9550	4729	4414	4729	4513	4414	4729	
4×240	1.7	2×0.5	2.9	61.8	11634	11329	11634	11571	11375	11329	11634	11588	11882	5656	5351	5656	5397	5351	5656	
4×300	1.8	2×0.5	3.1	67.8	14126	13809	14126	14083	13821	13809	14126	14092	14386	6653	6337	6653	6349	6337	6653	
4×400	2.0	2×0.5	3.4	77.3	18253	17959	18253	18239	17874	17959	18253	18280	18574	8290	7996	8290	7911	7996	8290	

表15 5芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV 22	ZA YJV22	ZC YJV22	N YJV22	YJV 23	WDZA YJV23	WDZC YJV23	WDZAN YJV23	WDZCN YJV23	YJLV 22	ZA YJLV22	ZC YJLV22	YJLY 23	WDZA YJLY23	WDZC YJLY23	
5×4	0.7	2×0.2	1.8	15.6	494	483	494	569	456	483	494	574	584	369	359	369	332	359	369	
5×6	0.7	2×0.2	1.8	16.8	615	602	615	695	574	602	615	697	707	428	415	428	387	415	428	
5×10	0.7	2×0.2	1.8	19.9	909	894	909	1004	858	894	909	998	1004	597	582	597	547	582	597	
5×16	0.7	2×0.2	1.8	22.3	1245	1220	1245	1348	1187	1220	1245	1333	1338	747	722	747	689	722	747	
5×25	0.9	2×0.2	1.8	26.7	1763	1744	1763	1878	1694	1744	1763	1871	1876	984	966	984	916	966	984	
5×35	0.9	2×0.2	1.9	29.6	2291	2272	2291	2416	2210	2272	2291	2410	2415	1201	1182	1201	1120	1182	1201	
5×50	1.0	2×0.2	2.0	33.8	3144	3142	3144	3298	3046	3142	3144	3293	3280	1587	1585	1587	1489	1585	1587	
5×70	1.1	2×0.5	2.3	40.2	4958	4755	4958	4974	4824	4755	4958	4953	5124	2779	2575	2779	2644	2575	2779	
5×95	1.1	2×0.5	2.4	45.0	6269	6076	6269	6299	6113	6076	6269	6293	6464	3311	3118	3311	3155	3118	3311	
5×120	1.2	2×0.5	2.6	50.0	7625	7443	7625	7672	7438	7443	7625	7680	7851	3889	3706	3889	3702	3706	3889	
5×150	1.4	2×0.5	2.7	55.3	9260	9066	9260	9325	9043	9066	9260	9323	9494	4590	4395	4590	4373	4395	4590	
5×185	1.6	2×0.5	2.9	61.1	11324	11006	11324	11286	11067	11006	11324	11287	11581	5564	5245	5564	5307	5245	5564	
5×240	1.7	2×0.5	3.1	68.3	14165	13858	14165	14150	13859	13858	14165	14170	14464	6692	6386	6692	6386	6386	6692	
5×300	1.8	2×0.5	3.4	75.1	17281	16961	17281	17293	16911	16961	17281	17304	17598	7941	7621	7941	7570	7621	7941	
5×400	2.0	2×0.8	3.7	86.9	23228	22934	23228	23300	22764	22934	23228	23350	23644	10774	10480	10774	10310	10480	10774	

表16 3+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV 22	ZA YJV22	ZC YJV22	N YJV22	YJV 23	WDZA YJV23	WDZC YJV23	WDZAN YJV23	WDZCN YJV23	YJLV 22	ZA YJLV22	ZC YJLV22	YJLY 23	WDZA YJLY23	WDZC YJLY23	
3×4+1×2.5	0.7	2×0.2	1.8	14.3	410	400	410	474	376	400	410	478	488	320	310	320	286	310	320	
3×6+1×4	0.7	2×0.2	1.8	15.4	506	494	506	572	469	494	506	575	585	369	357	369	332	357	369	
3×10+1×6	0.7	2×0.2	1.8	17.7	711	686	711	777	667	686	711	775	793	487	462	487	443	462	487	
3×16+1×10	0.7	2×0.2	1.8	20.1	985	964	985	1071	933	964	985	1060	1065	624	603	624	572	603	624	
3×25+1×16	0.9	2×0.2	1.8	23.5	1370	1351	1370	1465	1310	1351	1370	1457	1463	803	785	803	743	785	803	
3×35+1×16	0.9	2×0.2	1.8	25.3	1683	1664	1683	1783	1617	1664	1683	1775	1781	929	911	929	864	911	929	
3×50+1×25	1.0	2×0.2	1.9	28.3	2302	2303	2302	2427	2225	2303	2302	2422	2409	1213	1213	1213	1136	1213	1213	
3×70+1×35	1.1	2×0.2	2.0	32.0	3317	3157	3317	3298	3225	3157	3317	3289	3431	1791	1631	1791	1699	1631	1791	
3×95+1×50	1.1	2×0.5	2.2	37.4	4590	4429	4590	4621	4487	4445	4606	4615	4757	2504	2343	2504	2401	2359	2520	
3×120+1×70	1.2	2×0.5	2.3	41.5	5637	5481	5637	5665	5500	5481	5637	5665	5807	2959	2803	2959	2822	2803	2959	
3×150+1×70	1.4	2×0.5	2.5	45.2	6647	6483	6647	6687	6484	6483	6647	6682	6824	3409	3245	3409	3246	3245	3409	
3×185+1×95	1.6	2×0.5	2.6	49.8	8178	7914	8178	8130	7991	7914	8178	8129	8374	4131	3866	4131	3944	3866	4131	
3×240+1×120	1.7	2×0.5	2.8	55.5	10165	9910	10165	10135	9942	9910	10165	10148	10393	4935	4679	4935	4711	4679	4935	
3×300+1×150	1.8	2×0.5	3.0	61.0	12360	12094	12360	12348	12095	12094	12360	12354	12599	5821	5555	5821	5557	5555	5821	
3×400+1×185	2.0	2×0.5	3.2	69.0	15800	15549	15800	15812	15482	15549	15800	15841	16086	7175	6925	7175	6857	6925	7175	

表17 3+2芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV 22	ZA YJV22	ZC YJV22	N YJV22	YJV 23	WDZA YJV23	WDZC YJV23	WDZAN YJV23	WDZCN YJV23	YJLV 22	ZA YJLV22	ZC YJLV22	YJLY 23	WDZA YJLY23	WDZC YJLY23	
3×4+2×2.5	0.7	2×0.2	1.8	15.1	454	443	454	527	418	443	454	532	542	348	337	348	312	337	348	
3×6+2×4	0.7	2×0.2	1.8	16.3	567	555	567	644	527	555	567	647	658	405	393	405	365	393	405	
3×10+2×6	0.7	2×0.2	1.8	18.7	791	766	791	869	744	766	791	867	885	529	504	529	483	504	529	
3×16+2×10	0.7	2×0.2	1.8	21.4	1110	1089	1110	1210	1056	1089	1110	1199	1205	687	666	687	632	666	687	
3×25+2×16	0.9	2×0.2	1.8	24.9	1556	1534	1556	1666	1491	1534	1556	1656	1661	889	868	889	825	868	889	
3×35+2×16	0.9	2×0.2	1.8	26.6	1865	1843	1865	1980	1796	1843	1865	1970	1975	1011	990	1011	942	990	1011	
3×50+2×25	1.0	2×0.2	1.9	34.3	2680	2676	2680	2832	2585	2676	2680	2824	2812	1434	1431	1434	1340	1431	1434	
3×70+2×35	1.1	2×0.2	2.1	39.1	3645	3564	3645	3740	3525	3564	3645	3729	3788	1901	1820	1901	1782	1820	1901	
3×95+2×50	1.1	2×0.5	2.3	45.5	5190	5107	5190	5329	5038	5107	5190	5321	5380	2792	2710	2792	2640	2710	2792	
3×120+2×70	1.2	2×0.5	2.4	50.8	6454	6375	6454	6609	6277	6375	6454	6607	6666	3341	3261	3341	3164	3261	3341	
3×150+2×70	1.4	2×0.5	2.5	54.8	7468	7380	7468	7635	7268	7380	7468	7626	7685	3794	3706	3794	3594	3706	3794	
3×185+2×95	1.6	2×0.5	2.7	60.9	9236	9096	9236	9367	8997	9096	9236	9365	9480	4597	4457	4597	4358	4457	4597	
3×240+2×120	1.7	2×0.5	2.9	68.0	11516	11389	11516	11668	11230	11389	11516	11685	11800	5538	5411	5538	5252	5411	5538	
3×300+2×150	1.8	2×0.5	3.1	74.9	14064	13922	14064	14239	13726	13922	14064	14246	14361	6592	6450	6592	6253	6450	6592	
3×400+2×185	2.0	2×0.5	3.4	75.9	17608	17483	17608	17800	17235	17483	17608	17829	17943	7831	7706	7831	7458	7706	7831	

表18 4+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)															
					铜芯 Copper core								铝芯 Aluminum core							
					YJV 22	ZA YJV22	ZC YJV22	N YJV22	YJV 23	WDZA YJV23	WDZC YJV23	WDZAN YJV23	WDZCN YJV23	YJLV 22	ZA YJLV22	ZC YJLV22	YJLY 23	WDZA YJLY23	WDZC YJLY23	
4×4+1×2.5	0.7	2×0.2	1.8	15.3	474	463	474	548	437	463	474	553	563	358	348	358	322	348	358	
4×6+1×4	0.7	2×0.2	1.8	16.6	591	578	591	670	551	578	591	672	683	417	404	417	376	404	417	
4×10+1×6	0.7	2×0.2	1.8	19.3	843	816	843	923	794	816	843	919	937	556	530	556	508	530	556	
4×16+1×10	0.7	2×0.2	1.8	21.9	1178	1155	1178	1279	1121	1155	1178	1266	1272	717	694	717	660	694	717	
4×25+1×16	0.9	2×0.2	1.8	25.8	1659	1639	1659	1772	1593	1639	1659	1763	1769	937	917	937	870	917	937	
4×35+1×16	0.9	2×0.2	1.8	28.0	2071	2051	2071	2191	1998	2051	2071	2182	2188	1100	1079	1100	1027	1079	1100	
4×50+1×25	1.0	2×0.2	2.0	34.5	2928	2924	2928	3085	2828	2924	2928	3078	3065	1526	1523	1526	1427	1523	1526	
4×70+1×35	1.1	2×0.5	2.2	40.5	4628	4426	4628	4646	4498	4426	4628	4627	4798	2666	2464	2666	2537	2464	2666	
4×95+1×50	1.1	2×0.5	2.3	45.5	5858	5664	5858	5891	5706	5664	5858	5882	6053	3180	2986	3180	3028	2986	3180	
4×120+1×70	1.2	2×0.5	2.5	51.0	7191	7000	7191	7241	7006	7000	7191	7240	7411	3766	3575	3766	3581	3575	3766	
4×150+1×70	1.4	2×0.5	2.6	55.0	8491	8291	8491	8556	8283	8291	8491	8547	8718	4319	4119	4319	4110	4119	4319	
4×185+1×95	1.6	2×0.5	2.8	61.1	10555	10186	10555	10467	10306	10186	10555</									

6.3 0.6/1kV交联聚乙烯绝缘钢绞铠装电力电缆结构尺寸(表19~表26)

0.6/1kV XLPE insulated steel wire armoured power cable structure (Table 19 ~ 26)

表19 1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weightof cable(kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 72	ZAYJV 72	ZCYJV 72	NYJV 72	YJV 73	WDZA YJV73	WDZC YJV73	WDZAN YJV73	WDZCN YJV73	YJLV 72	ZA YJLV72	ZC YJLV72	YJLY 73	WDZA YJLY73	WDZC YJLY73	
1×10	0.7	1.2	0.8	1.8	14.1	299	298	299	213	268	304	307	218	218	238	236	238	206	242	245	
1×16	0.7	1.2	0.8	1.8	15.0	377	372	377	278	343	378	385	281	281	278	273	278	243	279	286	
1×25	0.9	1.2	0.8	1.8	16.6	495	493	495	378	457	499	504	384	384	340	338	340	302	345	350	
1×35	0.9	1.2	0.8	1.8	17.6	607	605	607	478	567	613	617	485	485	390	389	390	350	396	401	
1×50	1.0	1.2	1.25	1.8	19.9	826	828	826	638	784	837	842	645	645	517	519	517	475	527	533	
1×70	1.1	1.2	1.25	1.8	21.6	1055	1056	1055	840	1010	1065	1074	847	847	622	623	622	577	632	640	
1×95	1.1	1.2	1.25	1.8	23.3	1321	1326	1321	1081	1273	1336	1341	1090	1090	733	738	733	685	748	753	
1×120	1.2	1.2	1.6	1.8	25.7	1637	1645	1637	1341	1583	1656	1659	1359	1359	894	902	894	840	913	916	
1×150	1.4	1.2	1.6	1.8	28.2	2013	2019	2013	1647	1953	2031	2038	1665	1665	1084	1091	1084	1025	1102	1109	
1×185	1.6	1.2	1.6	1.8	30.2	2397	2405	2397	1995	2334	2417	2424	2015	2015	1252	1259	1252	1188	1272	1279	
1×240	1.7	1.2	1.6	1.9	32.9	2983	2996	2983	2538	2911	3011	3014	2563	2563	1498	1511	1498	1425	1525	1529	
1×300	1.8	1.2	1.6	1.9	35.6	3637	3648	3637	3116	3558	3664	3671	3142	3142	1780	1791	1780	1701	1807	1814	
1×400	2.0	1.2	2.0	2.1	40.5	4781	4802	4781	4116	4680	4822	4822	4150	4150	2305	2326	2305	2204	2346	2346	
1×500	2.2	1.2	2.0	2.2	43.4	5828	5831	5828	5094	5713	5854	5874	5132	5132	2733	2736	2733	2618	2759	2779	
1×630	2.4	1.3	2.0	2.3	48.0	7176	7202	7176	6358	7043	7228	7228	6401	6401	3277	3302	3277	3144	3329	3329	

表20 2芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weightof cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
2×4	0.7	1.2	0.8	1.8	16.2	480	484	480	265	443	490	489	270	268	430	434	430	393	441	439	
2×6	0.7	1.2	0.8	1.8	17.1	548	550	548	312	509	556	558	316	315	473	475	473	434	482	483	
2×10	0.7	1.2	1.25	1.8	20.3	864	863	864	445	816	872	876	447	439	739	739	739	691	747	751	
2×16	0.7	1.2	1.25	1.8	22.1	1056	1044	1056	575	1003	1053	1069	575	566	857	845	857	804	854	870	
2×25	0.9	1.2	1.6	1.8	26.0	1510	1506	1510	800	1448	1517	1526	802	792	1199	1195	1199	1137	1206	1215	
2×35	0.9	1.2	1.6	1.8	28.0	1798	1797	1798	1018	1731	1809	1816	1021	1008	1362	1361	1362	1295	1373	1380	
2×50	1.0	1.2	1.6	1.8	31.4	2296	2231	2296	1331	2226	2245	2321	1335	1532	1673	1609	1673	1604	1622	1699	
2×70	1.1	1.2	1.6	2.0	35.2	2865	2792	2865	1774	2777	2809	2896	1777	1974	1993	1920	1993	1905	1937	2024	
2×95	1.1	1.2	2.0	2.1	39.6	3755	3691	3755	2291	3651	3711	3791	2299	2496	2572	2508	2572	2468	2527	2608	
2×120	1.2	1.2	2.0	2.2	43.2	4412	4361	4412	2813	4293	4384	4453	2824	3022	2917	2867	2917	2799	2889	2958	
2×150	1.4	1.3	2.0	2.3	47.8	5302	5241	5302	3456	5163	5268	5349	3467	3664	3434	3373	3434	3295	3399	3481	
2×185	1.6	1.3	2.5	2.5	53.2	6743	6639	6743	4240	6573	6670	6797	4253	4546	4439	4335	4439	4269	4366	4493	
2×240	1.7	1.4	2.5	2.7	58.6	8130	8043	8130	5373	7927	8081	8194	5394	5687	5141	5054	5141	4938	5092	5205	
2×300	1.8	1.5	2.5	2.8	63.8	9664	9565	9664	6584	9433	9608	9736	6604	6896	5928	5828	5928	5697	5871	5999	

表21 3芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weightof cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
3×4	0.7	1.2	0.8	1.8	16.8	531	525	531	297	492	532	540	302	310	456	450	456	418	457	465	
3×6	0.7	1.2	0.8	1.8	17.8	620	612	620	363	579	619	630	367	375	508	500	508	467	507	518	
3×10	0.7	1.2	1.25	1.8	21.1	997	968	997	528	947	977	1009	531	549	810	782	810	760	790	822	
3×16	0.7	1.2	1.25	1.8	23.1	1251	1210	1251	716	1196	1220	1265	715	733	952	911	952	897	921	966	
3×25	0.9	1.2	1.6	1.8	27.2	1810	1804	1810	1057	1745	1816	1827	1059	1048	1343	1337	1343	1278	1349	1360	
3×35	0.9	1.2	1.6	1.8	29.4	2183	2178	2183	1352	2113	2191	2201	1355	1344	1529	1524	1529	1459	1537	1548	
3×50	1.0	1.2	1.6	1.9	33.2	2805	2809	2805	1856	2727	2824	2833	1860	1847	1871	1875	1871	1793	1890	1899	
3×70	1.1	1.2	2.0	2.0	37.9	4042	3885	4042	2558	3947	3903	4076	2560	2694	2734	2577	2734	2639	2595	2768	
3×95	1.1	1.2	2.0	2.2	42.0	4951	4808	4951	3320	4835	4830	4990	3328	3462	3176	3033	3176	3060	3055	3215	
3×120	1.2	1.2	2.0	2.3	45.8	5857	5729	5857	4080	5724	5754	5901	4093	4227	3615	3487	3615	3483	3512	3660	
3×150	1.4	1.3	2.5	2.5	52.0	7521	7377	7521	5051	7354	7408	7574	5063	5197	4718	4574	4718	4552	4606	4772	
3×185	1.6	1.4	2.5	2.6	56.5	8879	8696	8879	6139	8690	8731	8939	6154	6329	5423	5240	5423	5234	5275	5483	
3×240	1.7	1.5	2.5	2.8	62.3	10806	10642	10806	7793	10581	10684	10875	7815	7991	6323	6158	6323	6098	6200	6392	
3×300	1.8	1.6	2.5	3.0	68.0	12959	12780	12959	9599	12693	12829	13039	9621	9797	7354	7176	7354	7089	7225	7434	
3×400	2.0	1.7	2.5	3.2	76.4	16332	16192	16332	12566	16014	16250	16426	12604	12779	8860	8719	8860	8541	8778	8953	

表22 4芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weightof cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
4×4	0.7	1.2	0.8	1.8	17.6	605	597	605	356	565	604	615	361	372	505	497	505	465	504	515	
4×6	0.7	1.2	1.25	1.8	19.6	853	842	853	450	808	850	864	455	465	704	692	704	658	700	715	
4×10	0.7	1.2	1.25	1.8	22.3	1157	1140	1157	669	1104	1149	1170	671	677	908	891	908	855	900	921	
4×16	0.7	1.2	1.6	1.8	25.2	1624	1588	1624	921	1564	1599	1640	919	925	1226	1190	1226	1165	1200	1241	
4×25	0.9	1.2	1.6	1.8	29.1	2137	2113	2137	1304	2067	2125	2155	1306	1312	1514	1490	1514	1444	1502	1532	
4×35	0.9	1.2	1.6	1.9	31.7	2628	2604	2628	1710	2547	2619	2648	1712	1718	1756	1733	1756	1675	1747	1777	
4×50	1.0	1.2	1.6	2.0	35.5	3392	3395	3392	2375	3305	3412	3424	2378	2366	2147	2149	2147	2059	2166	2179	
4×70	1.1	1.2	2.0	2.2	40.8	4753	4667	4753	3241	4640	4688	4792	3243	3304	3010	2923	3010	2897	2944	3049	
4×95	1.1	1.2	2.0	2.3	45.1	5899	5829	5899	4222	5769	5854	5944	4230	4290	3533	3463	3533	3402	3488	3577	
4×120	1.2	1.3	2.5	2.5	50.6	7514	7458	7514	5258	7353	7488	7566	5273	5333	4525	4469	4525	4364	4499	4577	
4×150	1.4	1.4	2.5	2.6	56.0	9088	9017	9088	6491	8901	9052	9148	6504	6564	5352	5280	5352	5165	5315	5412	
4×185	1.6																				

表23 5芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
5×4	0.7	1.2	1.25	1.8	19.5	813	805	813	419	768	813	824	425	435	688	681	688	643	689	699	
5×6	0.7	1.2	1.25	1.8	20.7	959	948	959	525	911	956	971	530	541	772	761	772	724	769	784	
5×10	0.7	1.2	1.25	1.8	23.8	1314	1296	1314	786	1258	1306	1329	788	793	1003	985	1003	947	995	1018	
5×16	0.7	1.2	1.6	1.8	26.9	1861	1821	1861	1096	1796	1833	1878	1093	1099	1363	1323	1363	1298	1334	1380	
5×25	0.9	1.2	1.6	1.8	31.3	2479	2453	2479	1571	2404	2466	2499	1573	1578	1701	1675	1701	1626	1688	1721	
5×35	0.9	1.2	1.6	1.9	34.2	3076	3051	3076	2072	2989	3066	3099	2075	2080	1986	1961	1986	1899	1976	2009	
5×50	1.0	1.2	2.0	2.1	39.3	4285	4282	4285	2911	4182	4302	4322	2916	2903	2729	2725	2729	2625	2745	2765	
5×70	1.1	1.2	2.0	2.3	44.3	5859	5658	5859	4097	5730	5682	5903	4099	4270	3680	3479	3680	3550	3503	3724	
5×95	1.1	1.3	2.5	2.5	50.3	7712	7524	7712	5351	7551	7554	7764	5360	5531	4754	4566	4754	4593	4596	4806	
5×120	1.2	1.4	2.5	2.6	55.1	9180	9014	9180	6596	8997	9048	9238	6613	6784	5443	5277	5443	5261	5312	5502	
5×150	1.4	1.5	2.5	2.8	61.2	11114	10929	11114	8155	10892	10970	11183	8170	8341	6443	6259	6443	6222	6300	6512	
5×185	1.6	1.6	2.5	3	67.0	13355	13050	13355	9991	13094	13098	13434	10009	10303	7595	7290	7595	7334	7338	7674	
5×240	1.7	1.7	2.5	3.2	74.2	16408	16127	16408	12702	16099	16184	16500	12732	13026	8936	8655	8936	8626	8712	9027	
5×300	1.8	1.8	3.15	3.4	82.5	20716	20409	20716	15681	20345	20477	20822	15711	16004	11375	11068	11375	11005	11136	11481	
5×400	2.0	2.0	3.15	3.8	93.3	26301	26050	26301	20650	25832	26136	26430	20705	20999	13847	13596	13847	13377	13682	13976	

表24 3+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
3×4+1×2.5	0.7	1.2	0.8	1.8	17.3	581	573	581	339	542	580	591	344	355	491	483	491	452	490	500	
3×6+1×4	0.7	1.2	1.25	1.8	19.3	823	812	823	429	778	820	834	433	444	686	675	686	641	683	697	
3×10+1×6	0.7	1.2	1.25	1.8	21.6	1075	1048	1075	597	1024	1057	1088	600	618	851	824	851	800	833	864	
3×16+1×10	0.7	1.2	1.25	1.8	24.0	1397	1370	1397	854	1340	1380	1412	853	858	1036	1008	1036	979	1018	1051	
3×25+1×16	0.9	1.2	1.6	1.8	28.1	2009	1982	2009	1208	1941	1994	2026	1209	1215	1442	1415	1442	1374	1427	1459	
3×35+1×16	0.9	1.2	1.6	1.8	32.6	2480	2458	2480	1521	2402	2472	2501	1524	1529	1727	1704	1727	1648	1718	1747	
3×50+1×25	1.0	1.2	1.6	1.9	32.8	3028	3031	3028	2098	2952	3045	3056	2101	2088	1938	1941	1938	1862	1956	1967	
3×70+1×35	1.1	1.2	2.0	2.1	37.5	4404	4239	4404	2944	4305	4257	4438	2946	3088	2878	2713	2878	2779	2732	2912	
3×95+1×50	1.1	1.2	2.0	2.2	41.5	5442	5289	5442	3830	5328	5311	5481	3836	3978	3356	3203	3356	3242	3225	3395	
3×120+1×70	1.2	1.3	2.0	2.4	45.8	6575	6431	6575	4802	6436	6457	6621	4813	4956	3897	3753	3897	3759	3779	3943	
3×150+1×70	1.4	1.3	2.5	2.5	50.9	8160	8001	8160	5740	7997	8031	8212	5750	5892	4922	4763	4922	4759	4793	4974	
3×185+1×95	1.6	1.4	2.5	2.7	55.7	9857	9602	9857	7104	9664	9638	9918	7118	7363	5810	5554	5810	5616	5590	5870	
3×240+1×120	1.7	1.5	2.5	2.9	61.4	12012	11776	12012	8991	11782	11819	12082	9013	9258	6781	6545	6781	6551	6588	6851	
3×300+1×150	1.8	1.6	2.5	3.0	67.1	14428	14177	14428	11054	14166	14225	14507	11074	11319	7889	7638	7889	7627	7687	7968	
3×400+1×185	2.0	1.8	3.15	3.3	76.6	18989	18768	18989	14400	18658	18828	19084	14436	14681	10364	10143	10364	10033	10204	10459	

表25 3+2芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
3×4+2×2.5	0.7	1.2	1.25	1.8	19.0	763	755	763	385	719	763	774	391	401	657	650	657	614	657	668	
3×6+2×4	0.7	1.2	1.25	1.8	20.2	901	891	901	483	854	899	912	488	498	739	729	739	692	737	750	
3×10+2×6	0.7	1.2	1.25	1.8	22.6	1172	1145	1172	671	1118	1155	1185	673	692	910	884	910	857	893	924	
3×16+2×10	0.7	1.2	1.6	1.8	26.0	1699	1666	1699	974	1636	1677	1715	974	979	1275	1243	1275	1213	1254	1291	
3×25+2×16	0.9	1.2	1.6	1.8	29.5	2232	2200	2232	1381	2161	2213	2251	1381	1386	1566	1534	1566	1494	1547	1584	
3×35+2×16	0.9	1.2	1.6	1.9	31.4	2595	2564	2595	1687	2515	2578	2616	1688	1693	1742	1710	1742	1662	1725	1763	
3×50+2×25	1.0	1.2	1.6	2.0	39.0	3570	3569	3570	2430	3473	3587	3606	2433	2421	2324	2323	2324	2228	2342	2360	
3×70+2×35	1.1	1.2	2.0	2.1	44.4	4937	4850	4937	3265	4820	4872	4979	3268	3327	3193	3106	3193	3076	3128	3236	
3×95+2×50	1.1	1.2	2.0	2.3	49.6	6197	6123	6197	4331	6053	6151	6246	4339	4398	3799	3726	3799	3655	3753	3849	
3×120+2×70	1.2	1.3	2.5	2.5	56.1	8072	8003	8072	5528	7893	8036	8131	5540	5600	4959	4889	4959	4780	4923	5018	
3×150+2×70	1.4	1.4	2.5	2.6	60.7	9317	9234	9317	6468	9114	9272	9383	6479	6538	5643	5560	5643	5440	5598	5709	
3×185+2×95	1.6	1.5	2.5	2.8	66.8	11269	11141	11269	8070	11027	11186	11345	8087	8201	6630	6501	6630	6388	6546	6706	
3×240+2×120	1.7	1.6	2.5	3.0	73.9	13759	13656	13759	10222	13471	13709	13847	10250	10365	7781	7678	7781	7493	7731	7869	
3×300+2×150	1.8	1.7	2.5	3.2	81.2	16619	16496	16619	12640	16278	16559	16721	12666	12781	9147	9023	9147	8806	9086	9248	
3×400+2×185	2.0	1.9	3.15	3.5	83.5	21101	21004	21101	16216	20715	21075	21209	16256	16370	11324	11228	11324	10939	11298	11433	

表26 4+1芯

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable (kg/km)															
						铜芯 Copper core								铝芯 Aluminum core							
						YJV 32	ZAYJV 32	ZCYJV 32	NYJV 32	YJV 33	WDZA YJV33	WDZC YJV33	WDZAN YJV33	WDZCN YJV33	YJLV 32	ZA YJLV32	ZC YJLV32	YJLY 33	WDZA YJLY33	WDZC YJLY33	
4×4+1×2.5	0.7	1.2	1.25	1.8	19.2	788	780	788	402	744	788	799	408	418	673	665	673	628	673	684	
4×6+1×4	0.7	1.2	1.25	1.8	20.5	930	919	930	504	882	928	942	509	520	756	745	756	708	753	767	
4×10+1×6	0.7	1.2	1.25	1.8	23.2	1236	1207	1236	715	1181	1217	1250	717	735	950	921	950	895	931	964	
4×16+1×10	0.7	1.2	1.6	1.8	26.5	1780	1744	1780	1035	1716	1755	1796	1033	1039	1319	1283	1319	1255	1294	1335	
4×25+1×16	0.9	1.2	1.6	1.8	30.4	2356	2327	2356	1476	2282	2340	2375	1477	1482	1633	1604	1633	1560	1617	1653	
4×35+1×16	0.9	1.2	1.6	1.9	32.8	2836	2807	2836	1880	2752	2822	2857	1881	1887	1864	1836	1864	1781	1850	1886	
4×50+1×25	1.0	1.2	2.0	2.1	40.0	4092	4086	4092	2690	3987	4106	4129	2694	2681	2691	2685	2691	2586	2705	2728	
4×70+1×35	1.1	1.2	2.0	2.2	45.6	5813	5606	5813	3756	5686	5630	5857	3758	3929	3852	3644	3852	3724	3668	3895	
4×95+1×50	1.1	1.3	2.0	2.4	49.8	6887	6702	6887	4912	6736	6731	6938	4920	5091	4210						

7 电缆电气性能

- 7.1 电缆出厂前应经受交流3.5kV/5min电压试验;
- 7.2 新安装电缆敷设后应施加直流2.4kV/15min电压试验。
- 7.3 一类、二类导体20°C时最大直流电阻(表27)。

7 Electrical performance of electric cable

- 7.1 Cable factory should bear AC 3.5kV/5min voltage test;
- 7.2 The new installation of the cable should be applied after the DC 2.4kV/15min voltage test.
- 7.3 A class of two conductor 20 C maximum DC resistance (table 27)

表27

标称截面 Nominal section (mm ²)	导线最大直流电阻 Maximum DC resistance of conductor (Ω/km)	
	铜 copper	铝 aluminum
1.5	12.1	—
2.5	7.41	12.1
4	4.61	7.41
6	3.08	4.61
10	1.83	3.08
16	1.15	1.91
25	0.727	1.2
35	0.524	0.868
50	0.387	0.641
70	0.268	0.443
95	0.193	0.32
120	0.153	0.253
150	0.124	0.206
185	0.0991	0.164
240	0.0754	0.125
300	0.0601	0.1
400	0.047	0.0778
500	0.0366	0.0605
630	0.0283	0.0469

8 载流量 Load flow

- 8.1 不同环境温度下的载流量修正系数(表28) Correction coefficient of load flow at different ambient temperatures (table 28)

表28

导体工作温度 Conductor operating temperature	空气温度 air temperature (°C)							
	20	25	30	35	40	45	50	55
	1.18	1.14	1.10	1.05	1.0	0.95	0.89	0.84
90°C	土壤温度 soil temperature (°C)							
	5	10	15	20	25	30	35	40
	1.14	1.11	1.07	1.04	1.0	0.96	0.92	0.88

- 8.2 导体允许最高短路电流(表29) The conductor allows the maximum short-circuit current (table 29).

表29

导电线芯短时允许最高温度(°C) Conductive wire core to allow maximum temperature	最高允许短路电流 Maximum permissible short circuit current (A)	
	铜 copper	铝 aluminum
250	143.2S/√t	94S/√t

- 8.3 交联聚乙烯绝缘电力电缆参考载流量(表30~表33)

- 8.3 XLPE insulated power cable reference current (table 30 ~ 33)

表30

导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 Long - term continuous load in the air to allow the flow of reference (A)							
	单芯 Single core				两芯 Two core		三~五芯 Three to five core	
								
	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum
1.5	21	—	31	-	22	—	18	—
2.5	31	24	41	32	33	25	28	22
4	41	32	54	42	43	34	37	29
6	52	42	68	56	55	45	47	39
10	71	55	93	72	76	58	65	50
16	92	71	120	93	97	75	84	65
25	120	94	155	120	130	100	110	87
35	150	115	195	150	160	120	135	105
50	180	140	235	180	195	190	170	130
70	230	180	295	230	245	235	215	165
95	285	220	370	285	305	275	265	205
120	335	260	430	330	355	315	310	240
150	385	300	495	380	405	365	350	270
185	450	350	570	445	465	429	405	315
240	535	414	680	530	545	500	480	375
300	620	485	790	615	625	585	555	435
400	720	570	920	720	-	-	640	510
500	835	670	1080	850	-	-	-	-
630	960	790	1260	1000	-	-	-	-
工作温度 working temperature	90°C							
环境温度 ambient temperature	40°C							

表31

导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 (A) Long term continuous load in the soil to allow the flow of reference							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
1.5	32	—	36	—	35	—	29	—
2.5	42	33	46	36	46	36	39	31
4	55	43	59	47	59	47	51	40
6	69	56	74	60	75	61	64	52
10	92	71	98	75	100	78	86	66
16	115	91	125	97	130	100	110	85
25	150	115	160	125	165	130	140	110
35	180	140	190	150	200	155	170	130
50	215	165	230	175	240	185	205	160
70	265	205	280	215	290	225	250	195
95	320	245	335	260	255	275	300	235
120	360	280	385	295	405	315	345	265
150	410	315	430	335	450	350	385	300
185	460	360	490	380	510	395	435	340
240	535	420	570	445	590	460	500	395
300	605	475	645	505	670	520	565	445
400	685	545	735	757	—	—	640	510
500	775	620	840	665	—	—	—	—
630	865	705	950	760	—	—	—	—
工作温度 working temperature	90°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							

表32

导体截面积 Conductor cross-section (mm ²)	空气管道中长期连续负荷允许参考载流量 Long term continuous load of air pipeline to allow for reference load flow (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
2.5	28	22	31	24	24	19	21	16
4	36	29	41	32	32	25	27	21
6	46	38	51	42	41	33	34	28
10	62	48	69	53	55	43	47	36
16	79	61	88	60	71	55	60	47
25	105	81	115	89	94	73	80	62
35	125	100	140	110	115	90	98	76
50	155	120	170	130	140	110	120	92
70	190	150	210	165	175	135	150	115
95	235	185	260	200	220	170	185	145
120	275	215	300	235	255	195	215	170
150	315	245	345	265	295	225	25	190
185	365	285	400	310	335	260	290	225
240	435	340	475	365	—	—	340	265
300	505	390	550	425	—	—	390	310
400	590	460	640	500	—	—	455	360
500	690	545	750	590	—	—	—	—
630	800	640	875	695	—	—	—	—
工作温度 working temperature	90°C							
环境温度 ambient temperature	40°C							

表 33

导体截面积 Conductor cross-section (mm ²)	土壤管道中长期连续负荷允许参考载流量 Long term continuous load of soil pipeline to allow for reference load flow (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
2.5	33	26	34	27	30	23	25	19
4	43	34	44	35	38	30	32	25
6	54	44	55	45	48	39	41	33
10	72	55	73	56	65	50	55	42
16	91	71	93	72	84	65	71	55
25	115	92	120	94	110	85	92	72
35	140	110	145	110	130	100	110	87
50	170	130	170	135	160	125	135	105
70	210	160	215	165	200	155	170	130
95	250	195	260	200	245	190	205	160
120	290	225	295	230	280	220	235	185
150	330	255	340	260	320	250	270	210
185	375	290	385	300	365	285	310	240
240	440	340	455	355	—	—	365	285
300	500	390	520	405	—	—	415	325
400	575	450	600	470	—	—	480	380
500	665	525	695	550	—	—	—	—
630	760	605	805	635	—	—	—	—
工作温度 working temperature	90°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							

8.4 交联聚乙烯绝缘钢丝或钢带铠装电力电缆参考载流量 (表34~表35)

8.4 XLPE insulated steel wire or steel tape armored power cable ampacity (table 34~35)

表 34

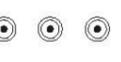
导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 Long - term continuous load in the air to allow the flow of reference (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
4	—	—	—	—	45	34	33	29
6	—	—	—	—	56	45	44	39
10	50	39	65	50	75	58	64	50
16	64	50	84	65	97	75	83	64
25	84	66	109	84	125	100	110	86
35	105	81	137	105	155	120	135	105
50	126	98	165	126	190	145	165	125
70	161	126	207	161	245	190	210	165
95	200	154	259	200	300	235	260	200
120	235	182	301	231	350	270	305	235
150	270	210	347	266	400	310	345	270
185	315	245	399	312	460	355	395	310
240	375	290	476	371	540	438	465	365
300	434	340	553	431	620	513	535	420
400	504	399	644	504	-	-	620	495
500	585	469	756	595	-	-	-	-
630	672	553	882	700	-	-	-	-
500	635	510	810	640	—	—	—	—
630	735	600	950	760	—	—	—	—
工作温度 working temperature	90°C							
环境温度 ambient temperature	40°C							

表 35

导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 (A) Long term continuous load in the soil to allow the flow of reference							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
	铜	铝	铜	铝	铜	铝	铜	铝
4	—	—	—	—	59	47	50	40
6	—	—	—	—	74	61	60	50
10	64	50	69	53	100	77	85	65
16	81	64	88	68	135	105	110	85
25	105	81	112	88	165	130	140	110
35	126	98	133	105	200	155	170	130
50	151	116	161	123	240	185	200	155
70	186	144	196	151	295	230	245	190
95	224	172	235	182	355	275	300	230
120	252	196	270	207	405	315	335	260
150	287	221	301	235	455	355	380	295
185	322	252	343	266	515	400	430	335
240	375	294	399	312	585	460	500	390
300	424	333	452	354	665	520	565	440
400	480	382	515	530	-	-	650	505
500	543	434	588	466	-	-	-	-
630	606	494	665	532	-	-	-	-
工作温度 working temperature	90°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							

70年长寿命建筑用电缆

Long life electric cable for building 70 years

1. 执行标准 Implementation standards

JG/T442-2014

2. 用途 Use

本产品适用于0.6/1kV配电网、住宅小区、高层建筑、公共场所等建筑要求70年以上寿命的场所。

This product is suitable for 0.6/1kV distribution network, residential areas, high-rise buildings, public places and other buildings for more than 70 years of life expectancy.

3. 电缆结构示意图 Schematic diagram of cable structure



4. 使用特性 Use characteristics

- 4.1 导体最高工作温度为90°C、105°C、125°C；
 - 4.2 绝缘结构采用双层挤包型式，材料为辐照交联聚乙烯+辐照交联聚烯烃材料；
 - 4.3 短路时（最长持续时间不超过5s）电缆导体最高工作温度为250°C；
 - 4.4 阻燃、耐火性能符合GB/T1966-2005标准要求；
 - 4.5 烟密度，一级阻燃或一级耐火电缆燃烧产生烟气的最小透光率大于80%，其余电缆燃烧产生烟气的最小透光率大于60%；
 - 4.6 燃烧气体酸度，PH值大于4.3，电导率小于10μS/mm，溴和氯含量小于5mg/g，氟含量小于1mg/g；
 - 4.7 绝缘和护套材料的毒性指数均小于5；
 - 4.8 在导体工作温度为70°C下使用寿命不少于70年；
 - 4.9 敷设时环境温度不低于-15°C。
- 4.1 The maximum operating temperature of the conductor is 90°C, 105°C, 125°C;
 - 4.2 The insulation structure is made of double layer extrusion, and the material is irradiated by cross linked polyethylene and crosslinked polyolefin materials.
 - 4.3 When short circuit (the longest duration does not exceed 5S) the maximum operating temperature of the cable conductor is 250°C;
 - 4.4 Flame retardant, fire resistant performance in line with the GB/T1966-2005 standard requirements
 - 4.5 The minimum transmittance of smoke is greater than 80%, and the minimum transmittance of the flue gas is greater than 60%;
 - 4.6 Combustion gas acidity, pH value is greater than 4.3, the conductivity is less than 10 mu S/mm, bromine and chlorine content is less than 5mg/g, fluorine content is less than 1mg/g;
 - 4.7 The toxicity index of insulation and sheath materials were less than 5
 - 4.8 The service life of the conductor is not less than 70 years under the operating temperature of the conductor 70°C
 - 4.9 Ambient temperature is not less than -15°C.

5 型号名称 Type name

型号 Model	名称 Name
WDZ-GYJSYJ(F)	铜芯辐照交联聚乙烯和聚烯烃绝缘无卤低烟阻燃交联聚烯烃护套电力电缆 Copper core irradiated XLPE polyolefin insulated non halogen low smoke flame retardant crosslinked polyolefin sheathed power cable
WDZN-GYJSYJ(F)	铜芯辐照交联聚乙烯和聚烯烃绝缘无卤低烟阻燃交联聚烯烃护套耐火型电力电缆 Copper core irradiated XLPE polyolefin insulated non halogen low smoke flame retardant crosslinked polyolefin sheathed flame retardant power cable
WDZ-GYJSYJ(F)23	铜芯辐照交联聚乙烯和聚烯烃绝缘钢带铠装无卤低烟阻燃交联聚烯烃护套电力电缆 Copper core irradiated XLPE crosslinked polyolefin insulated steel tape armored low smoke halogen-free flame retardant polyolefin sheathed power cable
WDZN-GYJSYJ(F)23	铜芯辐照交联聚乙烯和聚烯烃绝缘钢带铠装无卤低烟阻燃交联聚烯烃护套耐火型电力电缆 Copper core irradiated XLPE insulated steel tape armored low smoke HFFR polyolefine sheathed fire resistant power cable
WDZ-GYJSYJ(F)33	铜芯辐照交联聚乙烯和聚烯烃绝缘细钢丝铠装无卤低烟阻燃交联聚烯烃护套电力电缆 Copper core irradiated XLPE insulated fine steel wire armored low smoke halogen-free flame retardant polyolefin sheathed power cable
WDZN-GYJSYJ(F)33	铜芯辐照交联聚乙烯和聚烯烃绝缘细钢丝铠装无卤低烟阻燃交联聚烯烃护套耐火型电力电缆 Copper core irradiated XLPE insulated fine steel wire armored low smoke HFFR polyolefine sheathed fire resistant power cable
WDZ-GYJSYJ(F)43	铜芯辐照交联聚乙烯和聚烯烃绝缘粗钢丝铠装无卤低烟阻燃交联聚烯烃护套电力电缆 Copper core irradiated XLPE insulated thick steel wire armored low smoke halogen-free flame retardant polyolefin sheathed power cable
WDZN-GYJSYJ(F)43	铜芯辐照交联聚乙烯和聚烯烃绝缘粗钢丝铠装无卤低烟阻燃交联聚烯烃护套耐火型电力电缆 Copper core irradiated XLPE insulated thick steel wire armored low smoke halogen-free flame retardant cross-linked polyolefin sheathed power cable fire

6 电缆结构尺寸 Cable structure size

结构尺寸参见0.6/1kV交联聚乙烯绝缘电力电缆结构尺寸表3~表26中相应对应的WDZ产品部

See the structure size of 0.6/1kV XLPE power cable structure size table 3 to table 26 in the corresponding WDZ products.

额定电压3.6/6kV~26/35kV交联聚乙烯绝缘电力电缆
Rated voltage 3.6/6kV~26/35kV XLPE power cable

1. 执行标准 Implementation standards

GB/T12706.2-2008、GB/T12706.3-2008、GB/T19666-2005。

2. 用途 Purpose

适用于固定敷设在交流50Hz,额定电压3.6/6~26/35kV的输配电线路上作输送电能用。

Suitable for fixed laying in AC 3.6/6, rated voltage 50Hz ~ 26/35kV of transmission and distribution lines for transmission of electrical energy.

3. 电缆结构示意图 Schematic diagram of cable structure

3.6/6kV~26/35kV单芯交联聚乙烯绝缘电力电缆
(YJV, YJLV, YJY, YJLY)

3.6/6kV~26/35kV Single-core, XLPE insulated power cable.



3.6/6kV~26/35kV单芯交联聚乙烯绝缘钢带铠装电力电缆
(YJV62, YJLV62, YJV63, YJLV63)

3.6/6kV~26/35kV Single-core, XLPE insulated, steel wire armoured power cable.



3.6/6kV~26/35kV单芯交联聚乙烯绝缘钢丝铠装电力电缆
(YJV72, YJLV72, YJV73, YJLV73)

3.6/6kV~26/35kV Single-core, XLPE insulated, Steel wire armoured power cable.



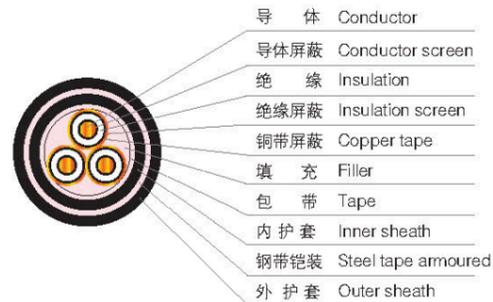
3.6/6kV~26/35kV三芯交联聚乙烯绝缘电力电缆
(YJV, YJLV, YJY, YJLY)

3.6/6kV~26/35kV Three-core, XLPE insulated power cable.



3.6/6kV~26/35kV三芯交联聚乙烯绝缘钢带铠装电力电缆 (YJV22, YJLV22, YJV23, YJLV23)

3.6/6kV~26/35kV Three-core, XLPE insulated, Steel tape armoured power cable.



3.6/6kV~26/35kV三芯交联聚乙烯绝缘钢丝铠装电力电缆 (YJV32, YJLV32, YJV33, YJLV33)

3.6/6kV~26/35kV Three, XLPE insulated Steel wire armoured power cable.



4.使用特性 Use characteristics

- 4.1 电缆的导体最高工作温度为90°C。
- 4.2 短路时(最长持续时间不超过5s)电缆导体最高工作温度为250°C, 过载温度不超过130°C。
- 4.3 敷设时环境温度不低于0°C。
- 4.4 弯曲半径(表1)

- 4.1 The maximum operating temperature of the conductor of the cable is 90.
- 4.2 The maximum operating temperature of the cable conductor when short circuit (the longest duration is not more than 5S) For 250 degrees, the overload temperature is no more than 130.
- 4.3 Ambient temperature is not less than 0°C.
- 4.4 Bending radius (Table 1)

项目 project	单芯电缆 Single-core cable		三芯电缆 Three core cable	
	无铠装 Unarmored	有铠装 Armoured	无铠装 Unarmored	有铠装 Armoured
	安装时的电缆最小弯曲半径 Minimum bending radius of cable at installation time	20D	15D	15D
靠近连接盒和终端的电缆最小弯曲半径(但要小心控制, 如采用成型导板) Near the junction box and the minimum bending radius of cable terminal (but be careful control, such as the use of molding plate)	15D	12D	12D	10D

注: D为电缆外径。 Note: D for cable outside diameter

- 4.5 敷设时不受水平落差限制。
- 4.6 电缆阻燃耐火性能满足GB/T19666-2005标准中相应指标要求。
- 4.5 When laying is not limited by the level of gap.
- 4.6 The fire resistance of the cable meets the requirements of the GB/T19666-2005 standard.

5. 产品型号(表2) Product model (Table 2)

型号 Model		名称 Name
铜芯 Copper core	铝芯 Aluminum core	
YJV	YJLV	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked PVC insulated and sheathed power cable
YJV22(62)	YJLV22 (62)	铜(铝)芯交联聚乙烯绝缘钢带聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked PVC insulated steel tape PVC sheathed power cable
YJV32(72)	YJLV32 (72)	铜(铝)芯交联聚乙烯绝缘钢丝聚氯乙烯护套电力电缆 Copper (aluminum) core crosslinked PVC insulated steel wire PVC sheathed power cable
YJY	YJLY	铜(铝)芯交联聚乙烯绝缘聚乙烯护套电力电缆 Copper (aluminum) core crosslinked PVC insulated PE sheathed power cable
YJY23	YJLY23	铜(铝)芯交联聚乙烯绝缘钢带聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyvinyl chloride insulated steel tape PE sheathed power cable
YJY33	YJLY33	铜(铝)芯交联聚乙烯绝缘钢丝聚乙烯护套电力电缆 Copper (aluminum) core crosslinked polyvinyl chloride insulated steel wire PE sheathed power cable
Z(A\B\C)-YJV	Z(A\B\C)-YJLV	铜(铝)芯交联聚乙烯绝缘聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core crosslinked PVC insulated and sheathed flame retardant power cable
Z(A\B\C)-YJV22(62)	Z(A\B\C)-YJLV22 (62)	铜(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 Copper (aluminum) core crosslinked PVC insulated PVC sheathed flame retardant power cable
Z(A\B\C)-YJV32(72)	Z(A\B\C)-YJLV32 (72)	铜(铝)芯交联聚乙烯绝缘钢丝铠装聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core XLPE insulated steel wire armored PVC sheathed flame retardant power cable
WDZ(A\B\C)-YJY	WDZ(A\B\C)-YJLY	铜(铝)芯交联聚乙烯绝缘无卤低烟聚丙烯护套阻燃电力电缆 Copper (aluminum) core cross linked polyvinyl chloride insulated non halogen low smoke low smoke polyolefin sheathed flame retardant power cable
WDZ(A\B\C)-YJY23(63)	WDZ(A\B\C)-YJLY23 (63)	铜(铝)芯交联聚乙烯绝缘钢带铠装无卤低烟聚丙烯护套阻燃电力电缆 Copper (aluminum) core XLPE insulated steel tape armored low smoke halogen-free polyolefin sheathed flame retardant power cable
WDZ(A\B\C)-YJY33(73)	WDZ(A\B\C)-YJLY33 (73)	铜(铝)芯交联聚乙烯绝缘钢丝铠装无卤低烟聚丙烯护套阻燃电力电缆 Copper (aluminum) core XLPE insulated steel wire armored low smoke halogen-free polyolefin sheathed flame retardant power cable

注: ZR(A\B\C)等同于Z(A\B\C), YJF等同于YJ, 6代表非磁性金属带, 7代表非磁性金属丝。
Note: ZR (A\B\C) is equivalent to Z (A\B\C), YJF equivalent to YJ, 6 on behalf of the non magnetic metal belt, 7 on behalf of the non magnetic metal wire.

6. 电缆结构尺寸 (表3~表26)

6.1 交联聚乙烯绝缘电力电缆结构尺寸(表3~表9)

6. Cable structure size (Table 3 to table 26)

6.1 Structure size of crosslinked polyethylene insulated power cable (Table 3 to table 9)

表3 3.6/6kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYJY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×25	2.5	1.8	18.4	561	567	562	517	574	568	406	414	409	362	419	414
1×35	2.5	1.8	19.4	674	683	677	629	690	684	459	468	462	412	473	467
1×50	2.5	1.8	20.6	839	848	842	791	855	849	531	540	534	481	546	540
1×70	2.5	1.8	22.2	1058	1068	1061	1006	1076	1069	627	637	630	572	643	636
1×95	2.5	1.8	23.8	1322	1333	1325	1266	1341	1334	736	747	740	677	753	746
1×120	2.5	1.8	25.2	1581	1592	1584	1521	1601	1593	840	852	844	778	859	851
1×150	2.5	1.8	26.8	1890	1901	1893	1825	1911	1903	963	976	967	896	983	974
1×185	2.5	1.8	28.4	2243	2255	2246	2173	2265	2256	1099	1113	1104	1028	1120	1111
1×240	2.5	1.9	30.8	2803	2816	2806	2723	2828	2818	1318	1334	1324	1237	1342	1332
1×300	2.5	2.0	33.2	3409	3423	3413	3319	3437	3426	1553	1570	1560	1462	1580	1569
1×400	2.5	2.1	36.6	4400	4417	4405	4295	4432	4421	1926	1945	1933	1819	1956	1945
1×500	2.5	2.2	39.5	5381	5398	5386	5262	5417	5404	2287	2309	2296	2167	2322	2309
1×630	2.5	2.3	43.7	6667	6687	6673	6529	6708	6694	2769	2793	2779	2629	2808	2794
3×25	2.5	2.1	36.5	1773	1794	1775	1666	1809	1791	1306	1331	1313	1199	1342	1324
3×35	2.5	2.2	38.9	2147	2174	2155	2033	2192	2172	1498	1525	1506	1379	1538	1518
3×50	2.5	2.3	41.7	2686	2715	2694	2557	2735	2714	1757	1786	1765	1623	1801	1780
3×70	2.5	2.4	45.3	3398	3429	3406	3251	3451	3429	2095	2128	2105	1943	2144	2121
3×95	2.5	2.5	49.0	4250	4283	4258	4083	4309	4284	2480	2516	2491	2308	2534	2509
3×120	2.5	2.6	52.2	5083	5119	5092	4898	5147	5121	2846	2885	2859	2656	2906	2879
3×150	2.5	2.7	55.8	6132	6171	6142	5926	6203	6174	3335	3378	3349	3124	3400	3372
3×185	2.5	2.8	59.5	7259	7300	7269	7030	7335	7304	3807	3854	3823	3574	3879	3848
3×240	2.5	3.0	64.7	9010	9056	9022	8743	9096	9063	4531	4584	4551	4260	4613	4580
3×300	2.5	3.2	69.8	10980	11030	10994	10672	11077	11041	5380	5439	5403	5068	5472	5436
3×400	2.5	3.4	77.1	14117	14173	14132	13754	14228	14188	6649	6716	6676	6282	6755	6715

表4 6/6kV、6/10kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYJY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×25	3.4	1.8	20.2	625	630	624	574	638	632	472	480	474	422	485	479
1×35	3.4	1.8	21.2	743	748	742	689	756	750	528	536	530	475	542	535
1×50	3.4	1.8	22.4	911	917	910	854	925	918	604	612	605	546	617	611
1×70	3.4	1.8	24.0	1135	1141	1134	1073	1150	1143	704	712	705	642	719	711
1×95	3.4	1.8	25.7	1409	1416	1408	1341	1425	1417	823	832	824	755	839	831
1×120	3.4	1.8	27.0	1666	1673	1665	1596	1683	1675	926	935	927	855	942	934
1×150	3.4	1.8	28.6	1979	1986	1977	1904	1997	1988	1053	1063	1054	978	1071	1061
1×185	3.4	1.9	30.4	2350	2358	2348	2266	2370	2360	1207	1218	1208	1123	1227	1217
1×240	3.4	2.0	32.8	2918	2927	2916	2823	2940	2930	1435	1447	1436	1339	1457	1446
1×300	3.4	2.0	35.0	3517	3526	3515	3415	3541	3529	1662	1675	1664	1560	1686	1674
1×400	3.4	2.1	38.4	4519	4528	4516	4401	4545	4533	2045	2059	2047	1927	2071	2059
1×500	3.4	2.2	41.3	5507	5518	5505	5375	5537	5524	2414	2431	2417	2282	2444	2431
1×630	3.4	2.3	45.5	6806	6818	6803	6653	6840	6825	2908	2927	2912	2755	2942	2927
3×25	3.4	2.2	40.6	2001	2018	1998	1870	2037	2016	1540	1562	1549	1409	1576	1555
3×35	3.4	2.3	43.0	2388	2406	2385	2244	2427	2405	1741	1764	1752	1596	1779	1757
3×50	3.4	2.4	45.7	2946	2966	2942	2786	2988	2965	2019	2044	2032	1857	2060	2037
3×70	3.4	2.5	49.4	3678	3699	3674	3497	3724	3699	2376	2404	2392	2195	2423	2398
3×95	3.4	2.6	53.1	4553	4575	4548	4350	4604	4577	2784	2815	2799	2581	2835	2808
3×120	3.4	2.7	56.3	5404	5428	5399	5181	5460	5431	3169	3202	3188	2946	3224	3195
3×150	3.4	2.8	59.9	6452	6478	6447	6206	6514	6483	3657	3692	3673	3410	3717	3686
3×185	3.4	3.0	63.8	7636	7664	7631	7356	7704	7671	4186	4226	4206	3906	4254	4221
3×240	3.4	3.1	68.7	9381	9412	9376	9069	9456	9421	4904	4947	4923	4591	4979	4943
3×300	3.4	3.3	73.9	11381	11415	11377	11025	11466	11428	5783	5831	5801	5427	5868	5829
3×400	3.4	3.5	81.2	14551	14590	14547	14137	14650	14607	7085	7140	7103	6671	7183	7141

表5 8.7/10kV、

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×25	4.5	1.8	22.4	713	716	709	653	724	717	561	566	559	501	572	565
1×35	4.5	1.8	23.4	834	837	830	771	846	838	620	626	618	557	632	624
1×50	4.5	1.8	24.6	1023	1026	1019	957	1036	1028	717	722	715	650	729	721
1×70	4.5	1.8	26.2	1236	1239	1231	1164	1249	1240	805	811	803	734	818	810
1×95	4.5	1.8	27.8	1510	1513	1504	1433	1523	1514	925	930	922	848	938	929
1×120	4.5	1.9	29.4	1790	1794	1784	1705	1805	1796	1050	1057	1047	965	1065	1056
1×150	4.5	1.9	31.0	2110	2113	2103	2019	2125	2115	1184	1190	1180	1093	1199	1189
1×185	4.5	2.0	32.8	2488	2491	2481	2388	2505	2494	1345	1352	1342	1245	1362	1352
1×240	4.5	2.0	35.0	3050	3053	3042	2942	3068	3056	1567	1574	1563	1459	1585	1573
1×300	4.5	2.1	37.4	3673	3677	3664	3552	3693	3681	1819	1827	1815	1698	1838	1826
1×400	4.5	2.2	40.8	4688	4692	4678	4550	4710	4697	2215	2224	2210	2077	2237	2224
1×500	4.5	2.3	43.7	5688	5692	5678	5534	5713	5699	2596	2606	2592	2442	2621	2607
1×630	4.5	2.4	47.9	7003	7008	6992	6827	7032	7016	3106	3118	3102	2930	3135	3119
3×25	4.5	2.4	45.7	2293	2305	2282	2125	2328	2305	1835	1852	1829	1666	1869	1845
3×35	4.5	2.5	48.1	2695	2707	2683	2511	2732	2708	2050	2068	2044	1865	2086	2062
3×50	4.5	2.6	50.9	3270	3283	3257	3067	3310	3284	2344	2364	2338	2141	2384	2358
3×70	4.5	2.7	54.6	4024	4037	4009	3798	4067	4040	2724	2746	2718	2498	2768	2740
3×95	4.5	2.8	58.2	4920	4934	4904	4670	4968	4938	3154	3177	3147	2903	3201	3172
3×120	4.5	2.9	61.4	5792	5806	5774	5518	5843	5812	3558	3583	3551	3284	3609	3578
3×150	4.5	3.0	65.1	6862	6877	6843	6562	6918	6884	4068	4094	4061	3768	4124	4090
3×185	4.5	3.1	68.7	8039	8055	8019	7712	8100	8064	4592	4620	4584	4264	4652	4616
3×240	4.5	3.3	73.9	9844	9861	9823	9472	9912	9874	5369	5400	5362	4996	5437	5398
3×300	4.5	3.4	78.8	11841	11859	11818	11432	11916	11875	6245	6279	6238	5835	6319	6278
3×400	4.5	3.7	86.4	15090	15111	15066	14605	15179	15134	7626	7666	7621	7141	7714	7669

表6 12/20kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×35	5.5	1.8	25.5	928	929	921	855	938	931	715	718	710	642	725	717
1×50	5.5	1.8	26.6	1099	1100	1091	1024	1109	1101	793	796	788	717	803	795
1×70	5.5	1.8	28.2	1334	1334	1325	1253	1344	1335	904	907	898	823	914	905
1×95	5.5	1.9	30.0	1626	1626	1616	1536	1638	1628	1042	1044	1035	951	1053	1043
1×120	5.5	1.9	31.4	1899	1898	1888	1803	1910	1900	1159	1162	1152	1064	1171	1161
1×150	5.5	2.0	33.2	2238	2237	2226	2132	2251	2240	1313	1316	1305	1207	1325	1315
1×185	5.5	2.0	34.8	2607	2606	2595	2496	2620	2609	1465	1468	1457	1354	1478	1467
1×240	5.5	2.1	37.2	3192	3191	3179	3068	3207	3195	1710	1713	1701	1585	1725	1713
1×300	5.5	2.2	39.6	3824	3823	3810	3686	3841	3828	1971	1974	1961	1832	1987	1974
1×400	5.5	2.3	43.0	4852	4850	4836	4694	4870	4856	2379	2383	2369	2222	2398	2384
1×500	5.5	2.4	45.9	5863	5861	5846	5688	5884	5869	2771	2775	2760	2596	2792	2777
1×630	5.5	2.5	50.1	7193	7191	7174	6995	7217	7200	3297	3302	3285	3098	3320	3304
3×35	5.5	2.6	52.6	2982	2987	2960	2764	3016	2989	2339	2351	2324	2120	2372	2345
3×50	5.5	2.7	55.4	3862	3866	3838	3623	3898	3869	2938	2951	2923	2699	2973	2945
3×70	5.5	2.8	59.1	4721	4726	4695	4458	4760	4730	3424	3438	3407	3160	3462	3432
3×95	5.5	2.9	62.7	5743	5746	5714	5452	5785	5752	3978	3992	3960	3687	4020	3987
3×120	5.5	3.1	66.2	6689	6694	6660	6365	6737	6703	4458	4474	4440	4133	4505	4471
3×150	5.5	3.2	69.8	7828	7832	7796	7475	7879	7843	5037	5053	5017	4682	5087	5051
3×185	5.5	3.3	73.5	9074	9078	9040	8691	9129	9091	5629	5646	5608	5245	5683	5645
3×240	5.5	3.4	78.4	10916	10919	10878	10494	10975	10934	6443	6461	6421	6020	6501	6461
3×300	5.5	3.6	83.6	12896	12900	12857	12422	12963	12920	7302	7323	7280	6828	7369	7325
3×400	5.5	3.8	90.9	16094	16098	16050	15551	16170	16123	8631	8656	8608	8088	8708	8660

表7 18/30kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYJY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×50	8.0	2.0	32.0	1387	1379	1369	1278	1392	1382	1083	1078	1068	974	1088	1077
1×70	8.0	2.0	33.6	1636	1627	1616	1520	1641	1630	1208	1202	1191	1092	1212	1201
1×95	8.0	2.1	35.4	1945	1934	1923	1817	1950	1938	1362	1355	1344	1234	1366	1355
1×120	8.0	2.1	36.8	2230	2218	2206	2096	2234	2222	1492	1484	1473	1358	1496	1484
1×150	8.0	2.2	38.6	2585	2572	2560	2439	2590	2577	1661	1654	1641	1515	1666	1654
1×185	8.0	2.2	40.2	2968	2954	2941	2815	2973	2960	1828	1819	1806	1675	1832	1819
1×240	8.0	2.3	42.6	3575	3560	3546	3406	3581	3567	2095	2085	2071	1925	2100	2086
1×300	8.0	2.4	45.0	4229	4212	4198	4043	4235	4220	2377	2366	2352	2191	2383	2368
1×400	8.0	2.5	48.4	5286	5268	5252	5079	5293	5277	2815	2804	2788	2608	2822	2806
1×500	8.0	2.6	51.3	6323	6303	6287	6095	6331	6314	3233	3221	3204	3005	3241	3224
1×630	8.0	2.7	55.5	7691	7669	7650	7435	7700	7682	3796	3783	3764	3540	3805	3787
3×50	8.0	3.1	67.0	4435	4415	4381	4082	4459	4424	3516	3508	3473	3162	3539	3504
3×70	8.0	3.2	70.7	5543	5520	5484	5158	5568	5531	4250	4240	4204	3865	4274	4238
3×95	8.0	3.3	74.3	6589	6564	6525	6172	6615	6577	4829	4818	4779	4411	4855	4816
3×120	8.0	3.4	77.6	7635	7607	7567	7187	7663	7622	5408	5396	5355	4959	5435	5395
3×150	8.0	3.5	81.2	8761	8731	8688	8278	8790	8748	5974	5960	5917	5490	6002	5960
3×185	8.0	3.7	85.1	10122	10090	10045	9591	10156	10112	6681	6667	6622	6150	6714	6670
3×240	8.0	3.8	90.0	12041	12005	11958	11464	12077	12030	7573	7556	7509	6995	7608	7561
3×300	8.0	4.0	95.2	14128	14090	14040	13490	14170	14120	8539	8522	8473	7900	8580	8530
3×400	8.0	4.2	102.5	17406	17363	17309	16686	17453	17400	9948	9930	9876	9228	9995	9941

表8 21/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYJY	WDZCYJY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYJLY	WDZCYJLY
1×50	9.3	2.0	34.6	1541	1527	1515	1417	1541	1530	1237	1227	1215	1113	1237	1226
1×70	9.3	2.1	36.4	1812	1796	1785	1676	1812	1800	1384	1373	1361	1248	1384	1373
1×95	9.3	2.1	38.0	2112	2095	2083	1969	2112	2099	1530	1517	1505	1386	1529	1517
1×120	9.3	2.2	39.6	2420	2402	2389	2265	2420	2407	1683	1670	1657	1527	1683	1670
1×150	9.3	2.2	41.2	2765	2746	2732	2603	2764	2751	1843	1828	1814	1680	1841	1828
1×185	9.3	2.3	43.0	3174	3153	3139	2998	3174	3160	2035	2019	2005	1858	2034	2020
1×240	9.3	2.4	45.4	3793	3769	3755	3599	3792	3777	2313	2296	2281	2119	2312	2297
1×300	9.3	2.4	47.6	4436	4411	4395	4231	4435	4419	2585	2566	2550	2380	2583	2567
1×400	9.3	2.6	51.2	5530	5503	5486	5295	5530	5514	3060	3040	3023	2824	3060	3043
1×500	9.3	2.6	53.9	6557	6527	6509	6307	6556	6538	3468	3445	3428	3218	3466	3448
1×630	9.3	2.8	58.3	7968	7934	7915	7681	7969	7949	4074	4050	4031	3786	4074	4055
3×50	9.3	3.3	73.0	4962	4927	4889	4542	4978	4940	4045	4024	3986	3624	4060	4022
3×70	9.3	3.4	76.7	6095	6056	6016	5641	6111	6071	4805	4781	4741	4349	4820	4780
3×95	9.3	3.5	80.3	7167	7124	7082	6676	7183	7141	5410	5382	5340	4918	5424	5383
3×120	9.3	3.6	83.6	8235	8189	8145	7711	8252	8209	6011	5982	5938	5486	6027	5983
3×150	9.3	3.7	87.2	9387	9336	9291	8825	9404	9359	6602	6570	6524	6039	6618	6573
3×185	9.3	3.8	90.9	10736	10681	10634	10135	10754	10707	7297	7263	7215	6695	7314	7267
3×240	9.3	4.0	96.0	12729	12670	12620	12064	12751	12701	8263	8226	8176	7597	8284	8233
3×300	9.3	4.2	101.2	14853	14789	14736	14122	14879	14826	9266	9227	9174	8534	9291	9238
3×400	9.3	4.4	108.5	18181	18111	18053	17363	18211	18154	10726	10683	10626	9907	10755	10698

表9 26/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)											
				铜芯 Copper core						铝芯 Aluminum core					
				YJV	ZAYJV	ZCYJV	YJY	WDZAYY	WDZCY	YJLV	ZAYJLV	ZCYJLV	YJLY	WDZAYLY	WDZCYLY
1×50	10.5	2.1	37.2	1708	1688	1676	1565	1704	1692	1405	1389	1377	1261	1401	1389
1×70	10.5	2.2	39.0	1987	1965	1953	1830	1983	1970	1560	1543	1531	1403	1556	1543
1×95	10.5	2.2	40.6	2294	2270	2257	2129	2289	2276	1712	1694	1680	1548	1707	1694
1×120	10.5	2.3	42.2	2609	2584	2570	2432	2604	2590	1873	1853	1839	1695	1867	1854
1×150	10.5	2.3	43.8	2961	2934	2920	2775	2955	2941	2039	2018	2003	1853	2033	2018
1×185	10.5	2.4	45.6	3378	3349	3334	3177	3372	3357	2239	2216	2201	2038	2233	2218
1×240	10.5	2.5	48.0	4006	3975	3959	3788	4000	3984	2527	2503	2487	2308	2521	2505
1×300	10.5	2.5	50.2	4659	4625	4609	4429	4651	4635	2809	2782	2765	2578	2801	2784
1×400	10.5	2.6	53.6	5746	5708	5690	5490	5737	5719	3276	3246	3229	3020	3267	3249
1×500	10.5	2.7	56.5	6807	6767	6748	6529	6799	6780	3719	3687	3668	3440	3710	3691
1×630	10.5	2.8	60.7	8211	8165	8145	7900	8201	8181	4317	4282	4262	4007	4307	4287
3×50	10.5	3.5	78.6	5491	5440	5400	5003	5498	5457	4577	4541	4501	4088	4583	4542
3×70	10.5	3.6	82.3	6649	6592	6549	6122	6655	6612	5361	5321	5278	4833	5365	5323
3×95	10.5	3.7	85.9	7744	7682	7637	7179	7749	7704	5989	5945	5900	5422	5993	5948
3×120	10.5	3.8	89.2	8833	8767	8721	8232	8839	8792	6612	6565	6518	6009	6616	6569
3×150	10.5	3.9	92.8	10008	9937	9889	9366	10014	9965	7226	7176	7127	6582	7230	7181
3×185	10.5	4.0	96.5	11381	11305	11255	10697	11386	11336	7945	7891	7840	7259	7949	7898
3×240	10.5	4.2	101.6	13408	13326	13273	12656	13416	13363	8945	8887	8834	8191	8951	8898
3×300	10.5	4.3	106.6	15520	15430	15374	14711	15527	15471	9935	9872	9816	9125	9941	9885
3×400	10.5	4.6	114.1	18942	18844	18784	18025	18955	18895	11490	11422	11362	10571	11501	11441

6.2 交联聚乙烯绝缘钢带铠装电力电缆结构尺寸 (表10~表16)
XLPE insulation power cable structure size (table 10 ~16)

表10 3.6/6kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weightof cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJV23 (63)	WDZA YJV23 (63)	WDZC YJV23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCYJLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×25	2.5	1.2	2×0.2	1.8	21.2	771	783	775	697	791	758	614	628	620	543	636	603
1×35	2.5	1.2	2×0.2	1.8	22.2	897	909	901	819	918	883	679	693	684	603	701	666
1×50	2.5	1.3	2×0.2	1.8	23.4	1075	1088	1079	993	1097	1060	764	779	770	683	788	751
1×70	2.5	1.4	2×0.2	1.8	25.0	1313	1327	1317	1224	1337	1296	877	894	884	791	904	863
1×95	2.5	1.4	2×0.2	1.8	26.6	1595	1610	1600	1499	1621	1577	1004	1022	1012	911	1033	988
1×120	2.5	1.5	2×0.2	1.8	28.0	1869	1886	1874	1768	1897	1850	1124	1143	1132	1025	1154	1107
1×150	2.5	1.6	2×0.2	1.9	29.8	2207	2225	2212	2095	2237	2186	1276	1296	1284	1167	1308	1258
1×185	2.5	1.7	2×0.2	1.9	31.5	2585	2604	2591	2465	2617	2564	1437	1459	1446	1320	1472	1419
1×240	2.5	1.8	2×0.2	2.0	34.3	3203	3225	3210	3060	3241	3173	1714	1740	1725	1574	1755	1687
1×300	2.5	1.8	2×0.5	2.1	37.9	4192	4217	4200	4029	4234	4161	2331	2360	2343	2172	2377	2304
1×400	2.5	2.0	2×0.5	2.3	41.4	5271	5299	5281	5083	5320	5238	2791	2823	2805	2607	2844	2762
1×500	2.5	2.1	2×0.5	2.4	44.3	6317	6348	6328	6108	6370	6282	3217	3253	3233	3013	3275	3187
1×630	2.5	2.2	2×0.5	2.5	48.9	7737	7773	7750	7491	7800	7688	3833	3874	3850	3591	3901	3788
3×25	2.5	1.2	2×0.5	2.2	41.1	2625	2658	2634	2441	2678	2591	2153	2191	2167	1974	2211	2124
3×35	2.5	1.2	2×0.5	2.3	43.5	3053	3089	3063	2853	3110	3017	2394	2435	2409	2199	2457	2363
3×50	2.5	1.3	2×0.5	2.4	46.3	3653	3693	3664	3434	3716	3616	2714	2759	2730	2500	2782	2682
3×70	2.5	1.4	2×0.5	2.5	50.4	4498	4542	4510	4238	4571	4446	3184	3235	3203	2930	3263	3139
3×95	2.5	1.4	2×0.5	2.6	54.1	5440	5489	5455	5151	5521	5386	3658	3715	3680	3376	3746	3611
3×120	2.5	1.5	2×0.5	2.7	57.2	6337	6390	6353	6026	6424	6280	4088	4148	4111	3784	4182	4038
3×150	2.5	1.6	2×0.5	2.8	61.2	7530	7589	7547	7172	7627	7455	4719	4786	4745	4370	4825	4653
3×185	2.5	1.7	2×0.5	2.9	64.9	8743	8807	8763	8355	8849	8665	5278	5351	5306	4898	5393	5209
3×240	2.5	1.8	2×0.5	3.1	70.1	10617	10688	10639	10177	10735	10535	6123	6204	6156	5693	6252	6052
3×300	2.5	1.8	2×0.5	3.3	75.6	12780	12861	12806	12265	12917	12678	7164	7256	7202	6661	7312	7073
3×400	2.5	2.0	2×0.8	3.6	84.3	16941	17034	16974	16334	17100	16836	9456	9562	9501	8861	9628	9363

表11 6/6kV、6/10kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJY23 (63)	WDZA YJY23 (63)	WDZC YJY23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×25	3.4	1.2	2×0.2	1.8	23.0	858	868	860	775	877	841	699	714	705	620	722	686
1×35	3.4	1.2	2×0.2	1.8	24.0	987	998	989	899	1007	969	766	781	772	683	791	752
1×50	3.4	1.2	2×0.2	1.8	25.2	1168	1180	1170	1076	1190	1149	854	871	861	766	880	839
1×70	3.4	1.2	2×0.2	1.8	26.8	1409	1422	1411	1310	1432	1388	971	988	978	877	999	954
1×95	3.4	1.2	2×0.2	1.8	28.5	1703	1717	1705	1595	1728	1680	1109	1128	1117	1007	1140	1092
1×120	3.4	1.2	2×0.2	1.9	30.0	1988	2003	1991	1872	2015	1964	1239	1260	1248	1129	1272	1222
1×150	3.4	1.2	2×0.2	1.9	31.7	2327	2343	2330	2202	2356	2302	1392	1414	1401	1273	1428	1373
1×185	3.4	1.2	2×0.2	2.0	33.8	2743	2761	2746	2599	2776	2709	1591	1616	1601	1454	1631	1564
1×240	3.4	1.2	2×0.2	2.1	37.5	3355	3375	3359	3190	3393	3320	1862	1890	1874	1704	1907	1834
1×300	3.4	1.2	2×0.5	2.2	39.8	4354	4375	4358	4173	4394	4316	2488	2518	2501	2316	2537	2459
1×400	3.4	1.2	2×0.5	2.3	43.3	5434	5458	5439	5230	5480	5394	2948	2982	2963	2754	3004	2918
1×500	3.4	1.3	2×0.5	2.4	46.6	6533	6561	6539	6296	6586	6480	3427	3466	3444	3201	3491	3385
1×630	3.4	1.4	2×0.5	2.5	50.8	7933	7965	7940	7666	7993	7876	4021	4065	4041	3766	4093	3976
3×25	3.4	1.3	2×0.5	2.3	43.2	2926	2957	2929	2718	2978	2880	2447	2490	2462	2251	2511	2413
3×35	3.4	1.3	2×0.5	2.4	46.0	3421	3455	3425	3178	3481	3363	2754	2801	2771	2524	2827	2709
3×50	3.4	1.4	2×0.5	2.5	48.7	4032	4068	4036	3771	4096	3970	3084	3134	3102	2836	3162	3036
3×70	3.4	1.4	2×0.5	2.6	52.4	4847	4887	4851	4557	4917	4781	3523	3579	3544	3250	3609	3473
3×95	3.4	1.5	2×0.5	2.8	56.6	5883	5929	5889	5542	5965	5801	4091	4154	4114	3767	4190	4026
3×120	3.4	1.6	2×0.5	2.9	59.9	6814	6864	6821	6444	6903	6729	4554	4622	4580	4202	4661	4487
3×150	3.4	1.6	2×0.5	3.0	63.5	7954	8007	7962	7549	8049	7864	5131	5204	5160	4747	5247	5062
3×185	3.4	1.7	2×0.5	3.1	67.2	9203	9260	9212	8763	9306	9109	5724	5804	5756	5307	5850	5653
3×240	3.4	1.8	2×0.5	3.2	72.1	11059	11121	11069	10577	11171	10959	6551	6637	6585	6094	6688	6475
3×300	3.4	1.9	2×0.5	3.4	77.7	13254	13325	13267	12694	13384	13131	7623	7720	7663	7090	7780	7526
3×400	3.4	2.0	2×0.8	3.7	85.3	17484	17566	17502	16830	17635	17357	9982	10093	10030	9357	10163	9884

表12 8.7/10kV、8.7/15kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJY23 (63)	WDZA YJY23 (63)	WDZC YJY23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×25	4.5	1.2	2×0.2	1.8	25.2	971	980	970	876	990	949	809	825	815	721	835	794
1×35	4.5	1.2	2×0.2	1.8	26.2	1100	1109	1099	1001	1119	1076	875	893	882	785	903	859
1×50	4.5	1.2	2×0.2	1.8	27.5	1308	1318	1307	1203	1329	1283	990	1009	998	893	1019	974
1×70	4.5	1.2	2×0.2	1.8	29.0	1536	1547	1535	1424	1558	1509	1094	1113	1101	991	1125	1076
1×95	4.5	1.2	2×0.2	1.9	30.9	1846	1857	1844	1721	1870	1817	1247	1269	1256	1133	1282	1229
1×120	4.5	1.2	2×0.2	2.0	32.4	2137	2149	2136	2003	2163	2107	1383	1406	1393	1261	1420	1365
1×150	4.5	1.2	2×0.2	2.0	34.5	2515	2528	2513	2361	2544	2475	1574	1600	1585	1433	1616	1547
1×185	4.5	1.2	2×0.2	2.1	37.5	2926	2940	2924	2755	2958	2885	1767	1795	1779	1610	1813	1740
1×240	4.5	1.2	2×0.5	2.2	39.9	3888	3904	3887	3702	3923	3845	2388	2419	2401	2216	2438	2360
1×300	4.5	1.2	2×0.5	2.3	42.2	4560	4577	4558	4357	4598	4514	2687	2720	2701	2500	2741	2657
1×400	4.5	1.3	2×0.5	2.4	45.6	5653	5673	5652	5426	5696	5605	3160	3197	3176	2950	3220	3129
1×500	4.5	1.3	2×0.5	2.5	48.9	6766	6788	6765	6503	6815	6703	3651	3693	3670	3408	3720	3608
1×630	4.5	1.4	2×0.5	2.6	53.1	8183	8207	8182	7887	8238	8114	4261	4308	4282	3988	4338	4215
3×25	4.5	1.4	2×0.5	2.5	50.8	3411	3441	3408	3132	3469	3343	2922	2973	2941	2665	3002	2876
3×35	4.5	1.4	2×0.5	2.6	53.1	3863	3894	3860	3564	3925	3793	3186	3241	3206	2910	3271	3139
3×50	4.5	1.5	2×0.5	2.7	55.9	4503	4536	4500	4179	4569	4429	3543	3602	3566	3245	3635	3495
3×70	4.5	1.5	2×0.5	2.8	60.0	5401	5439	5398	5029	5477	5309	4065	4131	4091	3721	4169	4001
3×95	4.5	1.6	2×0.5	2.9	63.6	6377	6417	6373	5974	6458	6278	4571	4642	4598	4199	4683	4503
3×120	4.5	1.7	2×0.5	3.0	66.8	7325	7367	7321	6891	7411	7222	5049	5125	5079	4649	5170	4980
3×150	4.5	1.7	2×0.5	3.1	70.5	8483	8528	8479	8013	8576	8374	5644	5725	5676	5211	5773	5572
3×185	4.5	1.8	2×0.5	3.2	74.1	9747	9795	9744	9242	9847	9634	6252	6339	6287	5786	6391	6178
3×240	4.5	1.9	2×0.5	3.4	80.9	11767	11823	11765	11175	11883	11630	7240	7339	7281	6691	7400	7147
3×300	4.5	2.0	2×0.8	3.6	86.0	14731	14793	14731	14077	14860	14589	9080	9188	9126	8472	9256	8985
3×400	4.5	2.1	2×0.8	3.8	93.4	18199	18268	18200	17460	18344	18048	10674	10795	10727	9987	10871	10575

表13 12/20kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJV23 (63)	WDZA YJV23 (63)	WDZC YJV23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×35	5.5	1.2	2×0.2	1.8	28.3	1221	1229	1217	1108	1240	1193	993	1012	1001	892	1023	976
1×50	5.5	1.2	2×0.2	1.9	29.6	1417	1425	1413	1296	1437	1387	1095	1115	1103	987	1127	1077
1×70	5.5	1.2	2×0.2	1.9	31.3	1677	1685	1672	1547	1698	1645	1230	1252	1239	1113	1265	1212
1×95	5.5	1.2	2×0.2	2.0	33.4	2015	2025	2010	1865	2040	1973	1412	1437	1422	1277	1452	1385
1×120	5.5	1.2	2×0.2	2.0	34.8	2305	2315	2299	2147	2331	2261	1546	1572	1557	1404	1588	1518
1×150	5.5	1.2	2×0.2	2.1	37.9	2684	2695	2679	2507	2713	2639	1738	1767	1750	1578	1784	1711
1×185	5.5	1.2	2×0.5	2.2	39.6	3440	3452	3434	3251	3471	3393	2276	2306	2289	2105	2325	2248
1×240	5.5	1.2	2×0.5	2.3	42.0	4075	4087	4069	3869	4108	4025	2569	2602	2583	2383	2622	2539
1×300	5.5	1.3	2×0.5	2.3	44.2	4745	4757	4738	4524	4779	4691	2866	2900	2881	2667	2922	2834
1×400	5.5	1.3	2×0.5	2.4	48.0	5895	5910	5887	5636	5936	5825	3394	3434	3411	3160	3460	3349
1×500	5.5	1.4	2×0.5	2.5	50.9	6972	6988	6964	6689	7017	6899	3850	3893	3869	3594	3922	3804
1×630	5.5	1.4	2×0.5	2.7	55.3	8417	8436	8409	8096	8468	8339	4487	4536	4509	4196	4568	4439
3×35	5.5	1.5	2×0.5	2.7	58.0	4308	4336	4297	3951	4372	4209	3619	3682	3643	3297	3718	3555
3×50	5.5	1.6	2×0.5	2.8	60.8	5254	5283	5241	4870	5321	5150	4282	4349	4307	3935	4387	4216
3×70	5.5	1.6	2×0.5	3.0	64.7	6227	6258	6214	5800	6301	6119	4877	4951	4906	4492	4993	4811
3×95	5.5	1.7	2×0.5	3.1	68.4	7345	7378	7331	6879	7425	7231	5524	5603	5556	5105	5650	5456
3×120	5.5	1.7	2×0.5	3.2	71.6	8344	8380	8330	7844	8430	8225	6054	6138	6088	5602	6188	5984
3×150	5.5	1.8	2×0.5	3.3	75.7	9646	9685	9631	9086	9742	9503	6791	6883	6829	6284	6940	6701
3×185	5.5	1.9	2×0.5	3.4	80.5	10988	11030	10973	10386	11091	10839	7475	7574	7516	6930	7635	7383
3×240	5.5	2.0	2×0.8	3.6	85.6	13792	13838	13777	13126	13905	13636	9247	9355	9293	8643	9422	9153
3×300	5.5	2.0	2×0.8	3.8	90.8	15962	16013	15947	15225	16087	15800	10290	10408	10343	9621	10483	10196
3×400	5.5	2.2	2×0.8	4.0	98.1	19406	19461	19389	18582	19544	19232	11858	11988	11917	11109	12072	11759

表14 18/30kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJV23 (63)	WDZA YJV23 (63)	WDZC YJV23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×50	8.0	1.2	2×0.2	2.0	35.2	1787	1788	1773	1619	1804	1733	1453	1479	1463	1309	1495	1424
1×70	8.0	1.2	2×0.5	2.2	38.4	2436	2438	2422	2247	2456	2382	1976	2005	1988	1813	2023	1948
1×95	8.0	1.2	2×0.5	2.2	40.1	2776	2778	2761	2574	2798	2719	2160	2190	2173	1986	2210	2131
1×120	8.0	1.2	2×0.5	2.3	41.6	3103	3104	3086	2889	3125	3043	2329	2362	2343	2146	2382	2300
1×150	8.0	1.3	2×0.5	2.3	43.3	3488	3489	3470	3260	3511	3425	2526	2560	2541	2332	2582	2496
1×185	8.0	1.3	2×0.5	2.4	45.0	3919	3920	3899	3678	3942	3853	2738	2774	2754	2533	2797	2707
1×240	8.0	1.3	2×0.5	2.4	47.6	4610	4612	4589	4341	4638	4528	3087	3126	3104	2855	3152	3043
1×300	8.0	1.4	2×0.5	2.5	50.1	5324	5326	5302	5031	5354	5238	3426	3469	3445	3174	3497	3381
1×400	8.0	1.4	2×0.5	2.6	53.5	6463	6465	6439	6139	6496	6371	3942	3989	3963	3663	4020	3895
1×500	8.0	1.5	2×0.5	2.7	56.4	7566	7567	7540	7215	7601	7469	4422	4472	4445	4120	4506	4374
1×630	8.0	1.5	2×0.5	2.8	61.0	9093	9096	9065	8688	9135	8974	5139	5197	5165	4788	5236	5074
3×50	8.0	1.8	2×0.5	3.2	72.4	6107	6118	6068	5579	6372	5962	5099	5184	5134	4645	5235	5028
3×70	8.0	1.8	2×0.5	3.3	76.5	7375	7388	7332	6785	7532	7202	5987	6080	6025	5477	6136	5894
3×95	8.0	1.9	2×0.5	3.5	80.3	8547	8560	8502	7903	8630	8367	6685	6786	6727	6128	6848	6593
3×120	8.0	2	2×0.8	3.6	84.8	10485	10499	10438	9795	10425	10299	8151	8257	8196	7553	8324	8058
3×150	8.0	2	2×0.8	3.7	88.4	11739	11753	11689	11004	11843	11545	8838	8951	8887	8201	9022	8743
3×185	8.0	2.1	2×0.8	3.8	92.1	13191	13205	13138	12409	13242	12989	9630	9749	9682	8953	9824	9533
3×240	8.0	2.2	2×0.8	4.0	97.2	15326	15341	15270	14470	15109	15115	10728	10858	10787	9987	10940	10631
3×300	8.0	2.3	2×0.8	4.1	102.6	17645	17663	17585	16699	17905	17397	11917	12059	11981	11095	12150	11792
3×400	8.0	2.4	2×0.8	4.4	110.1	21231	21252	21168	20166	21687	20969	13622	13779	13695	12693	13882	13496

表15 21/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJV23 (63)	WDZA YJV23 (63)	WDZC YJV23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×50	9.3	1.2	2×0.5	2.2	39.5	2373	2372	2354	2171	2391	2313	2032	2062	2045	1862	2081	2004
1×70	9.3	1.2	2×0.5	2.2	41.0	2664	2661	2643	2452	2681	2600	2196	2228	2210	2019	2248	2167
1×95	9.3	1.3	2×0.5	2.3	42.9	3023	3020	3001	2794	3042	2956	2398	2432	2413	2206	2453	2368
1×120	9.3	1.3	2×0.5	2.4	44.4	3357	3353	3333	3115	3375	3287	2575	2610	2590	2372	2632	2544
1×150	9.3	1.3	2×0.5	2.4	46.5	3795	3792	3770	3527	3817	3711	2825	2864	2842	2598	2889	2783
1×185	9.3	1.3	2×0.5	2.5	48.2	4236	4232	4209	3952	4258	4148	3046	3087	3064	2807	3113	3003
1×240	9.3	1.4	2×0.5	2.5	50.4	4892	4887	4863	4592	4915	4799	3359	3401	3377	3106	3430	3313
1×300	9.3	1.4	2×0.5	2.6	52.9	5618	5612	5587	5292	5643	5520	3709	3755	3730	3435	3786	3663
1×400	9.3	1.5	2×0.5	2.7	56.3	6773	6766	6739	6415	6800	6668	4240	4290	4263	3939	4324	4192
1×500	9.3	1.5	2×0.5	2.8	59.6	7946	7941	7910	7543	7979	7822	4790	4846	4815	4448	4884	4727
1×630	9.3	1.6	2×0.5	2.9	63.8	9439	9432	9399	8994	9474	9304	5471	5532	5499	5094	5574	5404
3×50	9.3	1.9	2×0.5	3.4	80.0	6872	6874	6817	6234	6935	6684	5842	5940	5883	5300	6000	5750
3×70	9.3	1.9	2×0.8	3.6	83.9	8917	8918	8858	8222	8984	8721	7505	7611	7551	6914	7676	7414
3×95	9.3	2.0	2×0.8	3.7	87.5	10117	10117	10054	9375	10187	9911	8230	8342	8279	7600	8412	8136
3×120	9.3	2.1	2×0.8	3.8	90.8	11298	11297	11231	10513	11371	11084	8938	9055	8989	8271	9129	8842
3×150	9.3	2.1	2×0.8	3.9	94.4	12578	12575	12507	11744	12654	12354	9649	9773	9704	8942	9852	9552
3×185	9.3	2.2	2×0.8	4.0	98.5	14150	14149	14075	13240	14235	13893	10559	10693	10619	9784	10779	10437
3×240	9.3	2.3	2×0.8	4.2	103.6	16326	16325	16246	15336	16419	16057	11697	11841	11763	10852	11935	11574
3×300	9.3	2.4	2×0.8	4.3	108.6	18585	18582	18499	17527	18682	18302	12824	12978	12895	11923	13078	12697
3×400	9.3	2.5	2×0.8	4.6	116.1	22224	22222	22133	21040	22334	21926	14580	14749	14660	13567	14862	14453

表16 26/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢带厚度 Steel strip thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV22 (62)	ZA YJV22 (62)	ZC YJV22 (62)	YJV23 (63)	WDZA YJV23 (63)	WDZC YJV23 (63)	YJLV22 (62)	ZA YJLV22 (62)	ZCY JLV22 (62)	YJLY23 (63)	WDZA YJLY23 (63)	WDZC YJLY23 (63)
1×50	10.5	1.2	2×0.5	2.3	42.0	2590	2585	2566	2365	2605	2522	2248	2281	2263	2061	2302	2219
1×70	10.5	1.3	2×0.5	2.3	43.7	2899	2892	2873	2659	2914	2827	2431	2465	2446	2232	2487	2400
1×95	10.5	1.3	2×0.5	2.4	45.9	3300	3293	3272	3033	3318	3214	2674	2712	2690	2451	2736	2632
1×120	10.5	1.3	2×0.5	2.4	47.2	3629	3621	3599	3352	3647	3538	2845	2884	2862	2616	2910	2802
1×150	10.5	1.4	2×0.5	2.5	49.1	4043	4034	4011	3747	4061	3949	3070	3112	3088	2825	3139	3026
1×185	10.5	1.4	2×0.5	2.5	50.6	4476	4466	4442	4169	4494	4377	3284	3327	3303	3030	3355	3238
1×240	10.5	1.4	2×0.5	2.6	53.1	5169	5158	5133	4835	5189	5066	3632	3679	3653	3356	3710	3586
1×300	10.5	1.5	2×0.5	2.7	55.5	5893	5880	5853	5536	5913	5784	3980	4029	4003	3685	4062	3933
1×400	10.5	1.5	2×0.5	2.8	59.3	7120	7107	7077	6713	7145	6989	4582	4637	4607	4243	4675	4519
1×500	10.5	1.6	2×0.5	2.9	62.2	8250	8236	8204	7813	8277	8112	5088	5147	5116	4724	5188	5023
1×630	10.5	1.6	2×0.5	3.0	66.4	9760	9744	9710	9279	9789	9612	5786	5851	5816	5386	5895	5718
3×50	10.5	2.0	2×0.8	3.6	85.6	8323	8315	8253	7602	8382	8112	7409	7399	7337	6687	7466	7197
3×70	10.5	2.0	2×0.8	3.8	89.5	9646	9636	9572	8865	9709	9427	8359	8347	8283	7576	8420	8138
3×95	10.5	2.1	2×0.8	3.9	93.1	10870	10857	10790	10039	10935	10640	9115	9101	9033	8282	9178	8884
3×120	10.5	2.2	2×0.8	4.0	96.4	12072	12057	11987	11195	12139	11833	9851	9834	9764	8972	9916	9610
3×150	10.5	2.2	2×0.8	4.1	100.4	13472	13458	13382	12516	13547	13198	10690	10674	10598	9732	10764	10414
3×185	10.5	2.3	2×0.8	4.2	104.1	14977	14960	14881	13966	15054	14691	11540	11522	11443	10529	11617	11254
3×240	10.5	2.4	2×0.8	4.4	109.2	17187	17168	17085	16092	17271	16888	12723	12703	12620	11627	12806	12423
3×300	10.5	2.5	2×0.8	4.5	114.2	19478	19456	19368	18311	19565	19163	13893	13870	13783	12725	13979	13577
3×400	10.5	2.6	2×0.8	4.7	121.5	23114	23088	22995	21830	23208	22779	15661	15634	15540	14376	15754	15325

6.3 交联聚乙烯绝缘钢丝铠装电力电缆结构尺寸 (表17~表23)

表17 3.6/6kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJY33 (73)	WDZA YJY33 (73)	WDZC YJY33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×25	2.5	1.2	1.25	1.8	22.9	1041	1055	1047	965	1064	1031	888	900	893	810	909	876
1×35	2.5	1.2	1.6	1.8	24.6	1298	1312	1304	1216	1322	1287	1083	1096	1087	999	1105	1070
1×50	2.5	1.3	1.6	1.8	25.8	1503	1519	1509	1416	1528	1491	1195	1209	1200	1107	1219	1181
1×70	2.5	1.4	1.6	1.8	27.4	1776	1793	1783	1683	1804	1763	1345	1360	1350	1250	1370	1330
1×95	2.5	1.4	1.6	1.8	29.0	2094	2112	2102	1995	2123	2079	1508	1524	1514	1407	1535	1491
1×120	2.5	1.5	1.6	1.9	30.6	2413	2433	2422	2304	2445	2398	1673	1690	1679	1561	1703	1656
1×150	2.5	1.6	1.6	1.9	32.2	2776	2798	2785	2661	2810	2760	1851	1869	1857	1732	1882	1832
1×185	2.5	1.7	1.6	2.0	34.0	3199	3222	3209	3072	3236	3182	2057	2077	2064	1926	2091	2037
1×240	2.5	1.8	2.0	2.1	37.6	4093	4120	4105	3940	4137	4069	2611	2634	2619	2454	2651	2583
1×300	2.5	1.8	2.0	2.2	40.0	4796	4826	4809	4627	4845	4771	2943	2969	2952	2770	2988	2914
1×400	2.5	2.0	2.0	2.3	43.4	5928	5961	5942	5737	5982	5900	3456	3485	3466	3261	3506	3424
1×500	2.5	2.1	2.5	2.4	47.3	7368	7404	7385	7154	7428	7340	4277	4309	4290	4059	4333	4245
1×630	2.5	2.2	2.5	2.5	51.9	8925	8967	8944	8670	8996	8883	5030	5068	5045	4770	5096	4984
3×25	2.5	1.2	2.0	2.2	43.1	3372	3410	3386	3187	3431	3343	2909	2943	2919	2720	2964	2876
3×35	2.5	1.2	2.0	2.3	45.5	3845	3886	3860	3644	3909	3815	3196	3232	3206	2990	3255	3161
3×50	2.5	1.3	2.5	2.4	49.3	4910	4956	4928	4686	4981	4880	3981	4022	3994	3752	4047	3946
3×70	2.5	1.4	2.5	2.5	53.3	5863	5915	5883	5601	5944	5820	4562	4608	4576	4293	4637	4513
3×95	2.5	1.4	2.5	2.7	57.2	6924	6982	6948	6627	7016	6881	5157	5208	5173	4852	5241	5106
3×120	2.5	1.5	2.5	2.8	60.4	7921	7984	7946	7597	8020	7876	5687	5742	5705	5356	5778	5634
3×150	2.5	1.6	2.5	2.9	64.4	9227	9297	9255	8857	9338	9165	6433	6494	6453	6055	6535	6363
3×185	2.5	1.7	2.5	3.0	68.1	10542	10618	10573	10141	10662	10478	7095	7161	7117	6685	7206	7022
3×240	2.5	1.8	2.5	3.2	73.3	12556	12640	12591	12103	12690	12490	8083	8156	8108	7619	8207	8007
3×300	2.5	1.8	3.15	3.4	80.1	15758	15854	15799	15224	15913	15674	10165	10249	10195	9619	10309	10070
3×400	2.5	2.0	3.15	3.7	87.6	19401	19511	19450	18779	19580	19315	11941	12038	11978	11306	12107	11843

表18 6/6kV、6/10kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJY33 (73)	WDZA YJY33 (73)	WDZC YJY33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×25	3.4	1.2	1.6	1.8	25.4	1274	1289	1281	1189	1064	1262	1123	1135	1126	1034	1144	1108
1×35	3.4	1.2	1.6	1.8	26.4	1425	1442	1432	1336	1322	1413	1213	1225	1216	1120	1235	1196
1×50	3.4	1.2	1.6	1.8	27.6	1633	1651	1641	1540	1528	1620	1329	1341	1331	1230	1352	1311
1×70	3.4	1.2	1.6	1.8	29.2	1911	1930	1919	1811	1804	1896	1483	1496	1486	1378	1507	1463
1×95	3.4	1.2	1.6	1.9	31.0	2247	2267	2255	2136	2123	2232	1664	1679	1667	1548	1691	1644
1×120	3.4	1.2	1.6	1.9	32.4	2557	2578	2566	2440	2445	2541	1820	1836	1823	1698	1849	1798
1×150	3.4	1.2	1.6	2.0	34.2	2939	2963	2949	2811	2810	2923	2017	2034	2021	1883	2048	1994
1×185	3.4	1.2	2.0	2.1	37.2	3620	3647	3632	3468	3236	3596	2482	2501	2486	2323	2518	2451
1×240	3.4	1.2	2.0	2.1	39.4	4267	4296	4280	4105	4137	4241	2790	2810	2794	2620	2828	2755
1×300	3.4	1.2	2.0	2.2	41.8	4977	5008	4991	4799	4845	4950	3129	3151	3134	2942	3171	3093
1×400	3.4	1.2	2.0	2.3	45.2	6118	6152	6133	5918	5982	6089	3652	3676	3657	3442	3699	3613
1×500	3.4	1.3	2.5	2.4	49.5	7640	7679	7657	7404	7428	7599	4556	4584	4562	4309	4611	4504
1×630	3.4	1.4	2.5	2.5	53.7	9152	9197	9172	8887	8996	9109	5265	5297	5273	4988	5326	5209
3×25	3.4	1.3	.0	2.3	43.2	3726	3768	3741	3530	3790	3692	3271	3301	3274	3063	3323	3225
3×35	3.4	1.3	2.5	2.5	46.2	4699	4747	4717	4466	4773	4655	4058	4093	4063	3813	4119	4001
3×50	3.4	1.4	2.5	2.6	48.9	5395	5446	5414	5141	5475	5349	4475	4512	4480	4207	4540	4415
3×70	3.4	1.4	2.5	2.7	52.6	6309	6366	6330	6028	6397	6261	5017	5058	5023	4720	5089	4953
3×95	3.4	1.5	2.5	2.8	56.7	7435	7498	7458	7110	7534	7370	5677	5723	5684	5335	5759	5596
3×120	3.4	1.6	2.5	2.9	59.9	8449	8517	8475	8097	8556	8382	6226	6275	6233	5855	6315	6141
3×150	3.4	1.6	2.5	3.0	63.5	9683	9757	9712	9300	9799	9614	6902	6955	6910	6498	6997	6812
3×185	3.4	1.7	2.5	3.1	67.2	11025	11104	11056	10610	11150	10953	7591	7648	7600	7153	7694	7497
3×240	3.4	1.8	3.15	3.3	72.3	13907	13994	13942	13439	14046	13833	9447	9511	9459	8956	9562	9350
3×300	3.4	1.9	3.15	3.5	77.9	16312	16411	16353	15768	16471	16218	10734	10806	10748	10163	10867	10613
3×400	3.4	2.0	3.15	3.7	85.2	19943	20054	19990	19323	20123	19844	12500	12582	12518	11851	12650	12372

表19 8.7/10kV、8.7/15kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJV33 (73)	WDZA YJV33 (73)	WDZC YJV33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×25	4.5	1.2	1.6	1.8	27.6	1433	1450	1441	1339	1461	1420	1286	1296	1286	1185	1306	1265
1×35	4.5	1.2	1.6	1.8	28.6	1588	1606	1595	1490	1617	1573	1379	1389	1379	1273	1400	1357
1×50	4.5	1.2	1.6	1.8	29.8	1817	1836	1825	1714	1847	1802	1516	1526	1515	1405	1538	1492
1×70	4.5	1.2	1.6	1.8	31.6	2096	2117	2105	1983	2130	2081	1673	1684	1672	1550	1697	1647
1×95	4.5	1.2	1.6	1.8	33.4	2439	2462	2449	2314	2475	2423	1861	1874	1861	1726	1887	1835
1×120	4.5	1.2	2.0	1.9	35.6	2955	2980	2966	2823	2994	2939	2224	2237	2223	2080	2252	2196
1×150	4.5	1.2	2.0	1.9	37.8	3401	3428	3413	3247	3445	3376	2485	2500	2484	2318	2517	2448
1×185	4.5	1.2	2.0	2.0	39.4	3832	3861	3845	3671	3879	3806	2700	2716	2700	2525	2734	2661
1×240	4.5	1.2	2.0	2.0	41.8	4505	4536	4519	4327	4556	4478	3034	3051	3033	2841	3070	2992
1×300	4.5	1.2	2.0	2.1	44.2	5220	5254	5235	5027	5275	5192	3379	3397	3378	3170	3418	3335
1×400	4.5	1.3	2.5	2.2	48.6	6731	6768	6748	6510	6793	6702	4272	4292	4272	4034	4317	4226
1×500	4.5	1.3	2.5	2.3	51.9	7933	7976	7952	7678	8004	7892	4857	4881	4857	4583	4909	4797
1×630	4.5	1.4	2.5	2.4	56.1	9461	9509	9483	9176	9540	9417	5583	5609	5583	5277	5641	5517
3×25	4.5	1.4	2.5	2.5	53.7	4770	4822	4790	4505	4852	4726	4324	4355	4323	4038	4385	4259
3×35	4.5	1.4	2.5	2.6	56.1	5286	5343	5308	5002	5374	5242	4656	4689	4654	4348	4720	4588
3×50	4.5	1.5	2.5	2.7	58.9	5999	6059	6023	5691	6093	5954	5091	5125	5089	4757	5159	5020
3×70	4.5	1.5	2.5	2.8	63.0	7004	7071	7030	6651	7110	6942	5725	5763	5723	5343	5803	5634
3×95	4.5	1.6	2.5	3.0	66.8	8116	8189	8146	7722	8233	8053	6372	6414	6371	5948	6458	6278
3×120	4.5	1.7	2.5	3.1	70.0	9151	9229	9183	8728	9276	9086	6943	6988	6942	6486	7035	6845
3×150	4.5	1.7	2.5	3.2	73.7	10408	10492	10443	9952	10543	10342	7642	7690	7641	7150	7741	7539
3×185	4.5	1.8	3.15	3.5	79.0	12713	12806	12754	12194	12864	12651	9296	9350	9298	8738	9408	9195
3×240	4.5	1.9	3.15	3.7	84.6	14931	15036	14978	14332	15102	14849	10491	10552	10494	9849	10619	10366
3×300	4.5	2	3.15	3.9	89.7	17289	17404	17342	16628	17477	17207	11732	11799	11738	11024	11873	11602
3×400	4.5	2.1	3.15	4.0	96.9	20932	21058	20990	20201	21139	20843	13512	13585	13517	12728	13666	13370

表20 12/20kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护套厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJV33 (73)	WDZA YJV33 (73)	WDZC YJV33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×35	5.5	1.2	1.6	1.9	30.8	1755	1775	1764	1645	1787	1740	1550	1559	1547	1428	1571	1523
1×50	5.5	1.2	1.6	1.9	32.0	1971	1992	1980	1856	2005	1955	1674	1683	1671	1547	1696	1646
1×70	5.5	1.2	1.6	2.0	33.8	2274	2297	2284	2148	2311	2258	1855	1864	1851	1714	1878	1825
1×95	5.5	1.2	2.0	2.1	36.8	2872	2899	2884	2723	2915	2849	2299	2311	2296	2135	2327	2261
1×120	5.5	1.2	2.0	2.1	38.2	3204	3231	3216	3048	3249	3179	2477	2489	2473	2305	2506	2436
1×150	5.5	1.2	2.0	2.1	39.8	3596	3624	3608	3432	3643	3569	2685	2696	2679	2503	2714	2640
1×185	5.5	1.2	2.0	2.2	41.6	4050	4081	4063	3873	4100	4023	2923	2936	2918	2728	2955	2878
1×240	5.5	1.2	2.0	2.3	44.0	4731	4764	4746	4537	4786	4703	3266	3279	3260	3051	3300	3217
1×300	5.5	1.3	2.0	2.3	46.2	5438	5473	5454	5233	5496	5408	3603	3616	3597	3376	3639	3551
1×400	5.5	1.3	2.5	2.5	51.2	7054	7096	7073	6803	7124	7014	4603	4620	4597	4327	4648	4538
1×500	5.5	1.4	2.5	2.6	54.1	8210	8255	8231	7936	8286	8168	5142	5160	5136	4841	5191	5073
1×630	5.5	1.4	2.5	2.7	58.3	9752	9803	9776	9448	9836	9707	5883	5903	5876	5548	5937	5808
3×35	5.5	1.5	2.5	2.8	61.2	5889	5954	5915	5547	5992	5830	5270	5300	5261	4893	5338	5176
3×50	5.5	1.6	2.5	2.9	64.0	6909	6978	6937	6542	7019	6848	6013	6044	6003	5608	6085	5914
3×70	5.5	1.6	2.5	3.0	67.7	7955	8029	7985	7556	8074	7891	6689	6722	6677	6248	6766	6583
3×95	5.5	1.7	2.5	3.1	71.3	9162	9242	9195	8730	9290	9096	7433	7467	7420	6956	7515	7321
3×120	5.5	1.7	2.5	3.2	74.6	10243	10328	10279	9781	10380	10175	8050	8086	8037	7539	8138	7934
3×150	5.5	1.8	3.15	3.4	80.1	12570	12666	12611	12036	12725	12486	9821	9864	9809	9233	9923	9684
3×185	5.5	1.9	3.15	3.5	83.8	14047	14149	14091	13475	14212	13961	10648	10693	10635	10019	10756	10505
3×240	5.5	2	3.15	3.7	88.9	16244	16355	16293	15611	16425	16156	11822	11871	11810	11127	11941	11672
3×300	5.5	2	3.15	3.8	93.9	18505	18625	18559	17822	18701	18414	12968	13020	12955	12218	13096	12809
3×400	5.5	2.2	3.15	4.0	101.2	22165	22297	22226	21399	22382	22070	14767	14825	14753	13926	14910	14598

表21 18/30kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJY33 (73)	WDZA YJY33 (73)	WDZC YJY33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×50	8.0	1.2	2.0	2.1	38.6	2689	2717	2701	2531	2734	2664	2404	2407	2392	2221	2425	2354
1×70	8.0	1.2	2.0	2.2	40.4	3021	3051	3034	2850	3070	2995	2614	2618	2601	2417	2637	2562
1×95	8.0	1.2	2.0	2.2	42.0	3381	3412	3394	3202	3432	3353	2821	2824	2806	2614	2844	2765
1×120	8.0	1.2	2.0	2.3	43.6	3742	3775	3757	3550	3797	3715	3030	3033	3014	2808	3054	2972
1×150	8.0	1.3	2.0	2.3	45.2	4147	4182	4162	3947	4204	4118	3251	3253	3234	3019	3275	3189
1×185	8.0	1.3	2.5	2.4	48.0	4965	5002	4982	4747	5026	4936	3854	3857	3837	3602	3881	3791
1×240	8.0	1.3	2.5	2.5	50.8	5745	5787	5764	5496	5814	5705	4298	4301	4278	4011	4329	4219
1×300	8.0	1.4	2.5	2.6	53.2	6516	6560	6536	6247	6590	6475	4700	4703	4679	4390	4733	4618
1×400	8.0	1.4	2.5	2.7	56.6	7742	7791	7765	7447	7823	7699	5311	5315	5289	4971	5347	5223
1×500	8.0	1.5	2.5	2.8	59.5	8922	8974	8947	8603	9010	8878	5876	5879	5852	5508	5915	5783
1×630	8.0	1.5	2.5	2.9	64.1	10570	10629	10598	10202	10670	10509	6725	6729	6698	6302	6770	6609
3×50	8.0	1.8	2.5	3.3	75.6	8047	8135	8085	7569	8188	7981	7187	7201	7151	6635	7254	7047
3×70	8.0	1.8	3.15	3.4	81.0	10319	10416	10361	9778	10476	10234	9092	9108	9053	8471	9169	8926
3×95	8.0	1.9	3.15	3.5	84.6	11594	11697	11638	11015	11761	11506	9906	9922	9864	9241	9986	9731
3×120	8.0	2	3.15	3.7	88.1	12879	12989	12928	12253	13058	12792	10730	10747	10686	10011	10817	10551
3×150	8.0	2	3.15	3.8	91.7	14235	14351	14287	13569	14425	14146	11532	11549	11485	10767	11623	11344
3×185	8.0	2.1	3.15	3.9	95.4	15788	15911	15844	15082	15990	15698	12438	12455	12388	11626	12534	12242
3×240	8.0	2.2	3.15	4.0	100.3	18020	18151	18080	17261	18235	17926	13651	13667	13597	12777	13752	13443
3×300	8.0	2.3	3.15	4.2	105.9	20534	20679	20601	19678	20774	20416	15054	15075	14997	14074	15170	14812
3×400	8.0	2.4	3.15	4.4	113.2	24275	24434	24350	23326	24539	24154	16939	16961	16877	15854	17067	16681

表22 21/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJY33 (73)	WDZA YJY33 (73)	WDZC YJY33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×50	9.3	1.2	2.0	2.2	41.4	2964	2995	2978	2788	3015	2937	2905	2686	2668	2479	2705	2628
1×70	9.3	1.2	2.0	2.3	43.2	3304	3337	3319	3115	3358	3277	3120	2904	2886	2681	2925	2844
1×95	9.3	1.3	2.0	2.3	44.8	3671	3705	3686	3473	3727	3642	3678	3117	3098	2885	3139	3054
1×120	9.3	1.3	2.5	2.4	47.4	4382	4419	4399	4167	4442	4354	4000	3676	3656	3424	3700	3611
1×150	9.3	1.3	2.5	2.5	49.6	4887	4927	4906	4645	4954	4848	4259	3999	3977	3716	4026	3920
1×185	9.3	1.3	2.5	2.5	51.2	5360	5402	5379	5109	5430	5319	4657	4257	4234	3963	4284	4174
1×240	9.3	1.4	2.5	2.6	53.6	6094	6139	6115	5824	6169	6053	5070	4654	4630	4338	4684	4567
1×300	9.3	1.4	2.5	2.7	56.0	6876	6924	6898	6584	6956	6833	5698	5067	5041	4727	5099	4976
1×400	9.3	1.5	2.5	2.8	59.4	8117	8169	8142	7799	8204	8073	6345	5693	5666	5323	5728	5597
1×500	9.3	1.5	2.5	2.9	62.7	9378	9436	9405	9019	9476	9319	7146	6341	6310	5924	6381	6224
1×630	9.3	1.6	2.5	3.0	66.9	10978	11041	11008	10584	11085	10915	2905	7141	7108	6684	7185	7015
3×50	9.3	1.9	3.15	3.5	83.3	9874	9975	9918	9306	10038	9788	9036	9041	8984	8371	9104	8854
3×70	9.3	1.9	3.15	3.6	87.0	11235	11342	11282	10628	11409	11146	10030	10034	9974	9320	10102	9839
3×95	9.3	2.0	3.15	3.7	90.6	12533	12647	12584	11887	12718	12443	10870	10872	10809	10112	10944	10668
3×120	9.3	2.1	3.15	3.8	93.9	13801	13920	13854	13118	13996	13709	11677	11678	11613	10876	11754	11468
3×150	9.3	2.1	3.15	4.0	97.7	15222	15349	15281	14484	15431	15132	12546	12547	12479	11682	12629	12330
3×185	9.3	2.2	3.15	4.1	101.8	16906	17044	16969	16099	17133	16791	13585	13588	13513	12643	13677	13335
3×240	9.3	2.3	3.15	4.2	106.7	19174	19320	19242	18311	19416	19055	14836	14837	14758	13827	14933	14571
3×300	9.3	2.4	3.15	4.4	111.9	21617	21775	21692	20681	21879	21498	16169	16170	16087	15076	16274	15894
3×400	9.3	2.5	3.15	4.6	119.2	25406	25578	25489	24373	25693	25284	18106	18105	18016	16901	18220	17812

表23 26/35kV

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Inner thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable (mm)	电缆近似重量 Approx weight of cable(kg/km)											
						铜芯 Copper core						铝芯 Aluminum core					
						YJV32 (72)	ZA YJV32 (72)	ZC YJV32 (72)	YJV33 (73)	WDZA YJV33 (73)	WDZC YJV33 (73)	YJLV32 (72)	ZA YJLV32 (72)	ZCY JLV32 (72)	YJLY33 (73)	WDZA YJLY33 (73)	WDZC YJLY33 (73)
1×50	10.5	1.2	2.0	2.3	44.0	3231	3264	3246	3037	3286	3203	2960	2955	2936	2727	2976	2893
1×70	10.5	1.3	2.0	2.3	45.6	3558	3593	3574	3356	3616	3529	3167	3160	3141	2923	3182	3095
1×95	10.5	1.3	2.5	2.4	48.8	4359	4398	4377	4127	4424	4320	3816	3810	3789	3539	3836	3732
1×120	10.5	1.3	2.5	2.5	50.4	4749	4790	4768	4503	4818	4710	4054	4048	4025	3760	4075	3967
1×150	10.5	1.4	2.5	2.5	52.0	5183	5226	5203	4928	5254	5142	4306	4297	4274	3999	4326	4213
1×185	10.5	1.4	2.5	2.6	53.8	5685	5730	5706	5413	5760	5643	4594	4585	4561	4268	4615	4498
1×240	10.5	1.4	2.5	2.7	56.2	6430	6478	6452	6137	6510	6387	5002	4992	4967	4652	5025	4901
1×300	10.5	1.5	2.5	2.7	58.4	7195	7245	7218	6890	7279	7150	5400	5388	5361	5033	5422	5293
1×400	10.5	1.5	2.5	2.9	62.4	8544	8602	8571	8187	8641	8485	6137	6126	6095	5711	6165	6009
1×500	10.5	1.6	2.5	2.9	65.1	9722	9783	9751	9348	9824	9660	6701	6688	6656	6253	6729	6565
1×630	10.5	1.6	2.5	3.1	69.5	11368	11434	11400	10948	11481	11304	7549	7535	7500	7048	7581	7404
3×50	10.5	2.0	3.15	3.7	88.9	10738	10849	10788	10106	10920	10651	9922	9915	9854	9172	9986	9716
3×70	10.5	2.0	3.15	3.8	92.6	12121	12239	12174	11449	12313	12031	10941	10931	10866	10141	11006	10724
3×95	10.5	2.1	3.15	3.9	96.2	13442	13566	13498	12728	13645	13351	11804	11791	11724	10954	11871	11576
3×120	10.5	2.2	3.15	4.0	99.5	14730	14860	14790	13978	14943	14637	12632	12618	12548	11736	12701	12396
3×150	10.5	2.2	3.15	4.1	103.5	16239	16379	16303	15417	16470	16121	13590	13576	13501	12614	13668	13319
3×185	10.5	2.3	3.15	4.2	107.2	17840	17987	17908	16973	18084	17720	14547	14531	14452	13517	14628	14264
3×240	10.5	2.4	3.15	4.4	112.3	20185	20343	20260	19245	20447	20065	15877	15859	15776	14761	15964	15582
3×300	10.5	2.5	3.15	4.6	117.5	22661	22830	22742	21644	22943	22541	17245	17225	17138	16040	17338	16937
3×400	10.5	2.6	3.15	4.8	124.8	26494	26678	26585	25378	26802	26373	19228	19206	19112	17905	19330	18900

7 电缆电气性能

7 Electrical performance of electric cable

7.1 电缆主要电性能指标(24)

7.1 Main electrical performance index of cable (24)

表 24

额定电压 Rated voltage U0/U(kV)	系统最高允许电压 System maximum allowable voltage (kV)	工频5min耐压试验 Power frequency 5min voltage with- stand test (kV)	4h耐压试验 4h pressure test (kV)	冲击电压 impulse voltage (kV)	最高工作温度90°C下的 tgδ The maximum operating temperature of 90 C under the TG Delta	局部放电 Partial discharge(pC)
3.6/6	7.2	12.5	14.4	60	≤80×10 ⁻⁴	≤5
6/6	7.2	21	24	60		
6/10	12	21	24	75		
8.7/10	12	30.5	35	75		
8.7/15	17.5	30.5	35	95		
12/20	24	42	48	125		
18/30	36	63	72	170		
21/35	40.5	73.5	84	200	≤10×10 ⁻⁴	
26/35	40.5	91	104	200		

7.2 新安装电缆敷设后电气试验

7.2.1 3.6/6kV~18/30kV电缆应施加在导体与金属屏蔽间施加系统的相间交流电压，持续5min。

7.2.2 35kV电缆应在供方与买方协商同意后进行，电压的波形应基本是正弦波，频率为20Hz~300Hz，试验电压应为2U0，持续50min。

7.3 二类导体20°C时最大直流电阻(表25)。

7.2 Electrical test for newly installed cable

7.2.1 3.6/6kV~18/30kV The cable should be applied to the system of alternating current between the conductor and the metal shield, which continues to be 5min.

7.2.2 35kV Cable should be in the supplier and the buyer after consultation, the waveform of the voltage should be basically a sine wave, frequency of 20Hz ~ 300Hz, the test voltage should be 2U0, continuous 50min.

7.3 The maximum direct current resistance (table 25) of the two conductor 20.

表 25

标称截面 Nominal section (mm ²)	导线最大直流电阻 Maximum DC resistance of conductor (Ω/km)	
	铜 copper	铝 aluminum
25	0.727	1.2
35	0.524	0.868
50	0.387	0.641
70	0.268	0.443
95	0.193	0.32
120	0.153	0.253
150	0.124	0.206
185	0.0991	0.164
240	0.0754	0.125
300	0.0601	0.1
400	0.047	0.0778
500	0.0366	0.0605
630	0.0283	0.0469

8 载流量 Load flow

8.1 不同环境温度下的载流量修正系数(表26) Correction coefficient of load flow at different ambient temperatures (table 26)

表 26

导体工作温度 Conductor operating temperature	空气温度 air temperature (°C)							
	20	25	30	35	40	45	50	55
90°C	1.18	1.14	1.10	1.05	1.0	0.95	0.89	0.84
	土壤温度 soil temperature (°C)							
	5	10	15	20	25	30	35	40
	1.14	1.11	1.07	1.04	1.0	0.96	0.92	0.88

8.2 导体允许最高短路电流(表27) Conductor allows maximum short-circuit current

表 27

导电线芯短时允许最高温度 Conductive wire core to allow maximum temperature (°C)	最高允许短路电流 Maximum permissible short circuit current (A)	
	铜 copper	铝 aluminum
250	$143.2s/\sqrt{t}$	$94s/\sqrt{t}$

8.3 交联聚乙烯绝缘电力电缆参考载流量(表28~表31) Cross linked polyethylene insulated power cable

表 28

导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 (A) Long - term continuous load in the air to allow the flow of reference					
	单芯 Single core				三芯 Three to five core	
	铜	铝	铜	铝	铜	铝
25	150	115	170	130	125	98
35	180	140	305	160	150	115
50	215	170	250	190	180	140
70	270	210	305	240	220	170
95	330	255	375	290	265	205
120	380	295	435	335	305	235
150	430	330	490	380	345	270
185	490	380	565	435	390	305
240	575	450	665	520	455	355
300	660	515	760	590	525	410
400	765	600	890	695	600	470
500	875	695	1030	810	-	-
630	1010	810	1200	950	-	-
工作温度 working temperature	90°C					
环境温度 ambient temperature	40°C					

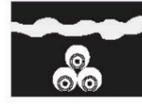
表 29

导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 Long term continuous load of soil to allow for reference load flow (A)					
	单芯 Single core		三芯 Three core			
	铜	铝	铜	铝	铜	铝
25	185	140	160	125	135	105
35	220	170	190	150	160	125
50	260	200	215	175	190	145
70	320	250	275	215	230	180
95	390	300	335	260	275	215
120	445	345	380	295	315	245
150	500	395	425	330	355	275
185	570	440	485	375	400	310
240	665	515	565	435	460	360
300	750	585	635	495	520	410
400	865	681	730	570	590	465
500	980	775	830	655	-	-
630	1110	895	950	755	-	-
工作温度 working temperature	90°C					
环境温度 ambient temperature	25°C					
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W					

表 30

导体截面积 Conductor cross-section (mm ²)	空气管道中长期连续负荷允许参考载流量 (A) Long - term continuous load in the air pipeline to allow the flow of reference					
	单芯 Single core				三芯 Three core	
						
	铜	铝	铜	铝	铜	铝
25	130	100	140	110	100	80
35	160	120	165	130	125	96
50	190	145	200	155	145	115
70	230	180	245	190	180	140
95	280	220	300	230	215	165
120	325	250	340	265	245	190
150	365	280	385	300	275	215
185	415	320	440	340	315	245
240	490	380	520	400	365	285
300	555	430	590	460	415	325
400	645	505	685	535	470	375
500	745	585	795	625	—	—
630	855	680	920	725	—	—
工作温度 working temperature	90°C					
环境温度 ambient temperature	40°C					

表 31

导体截面积 Conductor cross-section (mm ²)	土壤管道中长期连续负荷允许参考载流量 Long term continuous load of soil pipeline to allow for reference load flow (A)					
	单芯 Single core				三芯 Three core	
						
	铜	铝	铜	铝	铜	铝
25	150	115	140	105	110	87
35	180	140	165	130	135	105
50	215	165	195	150	155	120
70	260	205	240	185	190	150
95	315	245	290	225	230	180
120	360	280	330	255	260	205
150	405	315	370	285	295	230
185	460	360	420	325	330	255
240	540	420	490	380	380	300
300	615	475	560	435	435	340
400	705	555	640	500	490	390
500	810	640	735	580	—	—
630	930	735	845	665	—	—
工作温度 working temperature	90°C					
环境温度 ambient temperature	25°C					
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W					

8.4 交联聚乙烯绝缘钢带或钢丝铠装电力电缆参考载流量 (表32~表33)

表 32

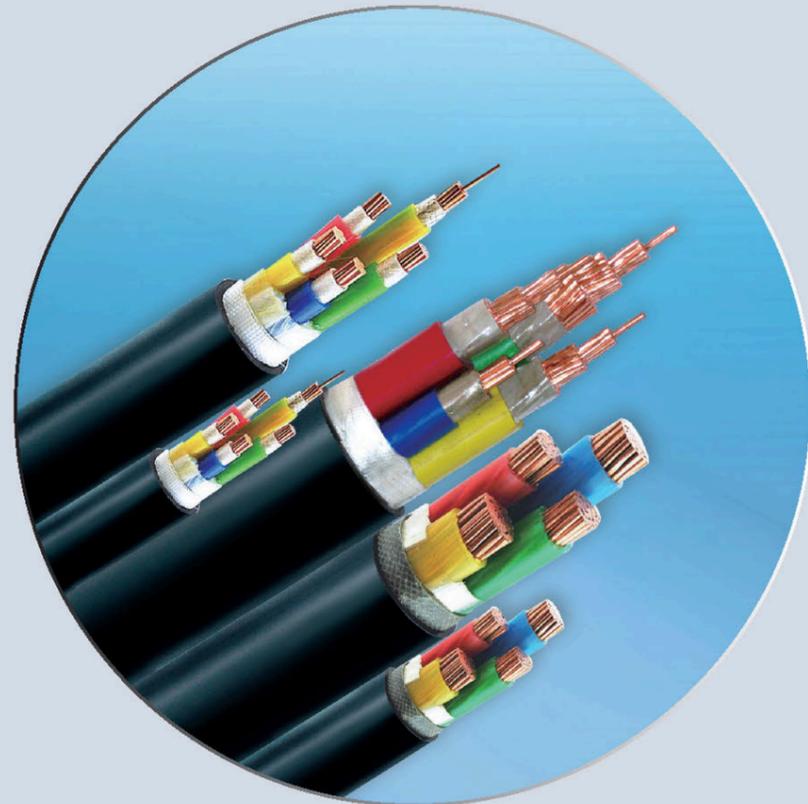
导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 (A) Long - term continuous load in the air to allow the flow of reference					
	单芯 Single core				三芯 Three core	
						
	铜	铝	铜	铝	铜	铝
25	105	81	98	77	120	96
35	126	98	116	91	150	115
50	151	119	140	109	180	140
70	189	147	172	133	220	170
95	231	179	210	161	265	205
120	266	207	238	186	310	240
150	301	231	270	210	350	270
185	343	266	308	238	400	310
240	403	315	364	280	465	360
300	462	361	413	322	535	420
400	536	420	480	375	615	485
500	613	487	557	438	-	-
630	707	567	644	508	-	-
工作温度 working temperature	90°C					
环境温度 ambient temperature	40°C					

表 33

导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 Long term continuous load of soil to allow for reference load flow (A)					
	单芯 Single core				三芯 Three core	
						
	铜	铝	铜	铝	铜	铝
25	130	98	112	88	135	105
35	154	119	137	105	160	125
50	182	140	158	123	190	145
70	224	175	193	151	230	180
95	273	210	235	182	275	215
120	312	242	266	207	315	245
150	350	277	298	231	355	275
185	399	308	340	263	400	310
240	466	361	459	305	460	360
300	525	410	445	347	520	410
400	606	477	511	399	590	465
500	686	543	581	459	-	-
630	777	627	665	529	-	-
工作温度 working temperature	90°C					
环境温度 ambient temperature	25°C					
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W					

B

聚氯乙烯绝缘电力电缆 PVC insulated power cable



额定电压0.6/1kV聚氯乙烯绝缘电力电缆 Rated voltage 0.6/1kV PVC insulated power cable

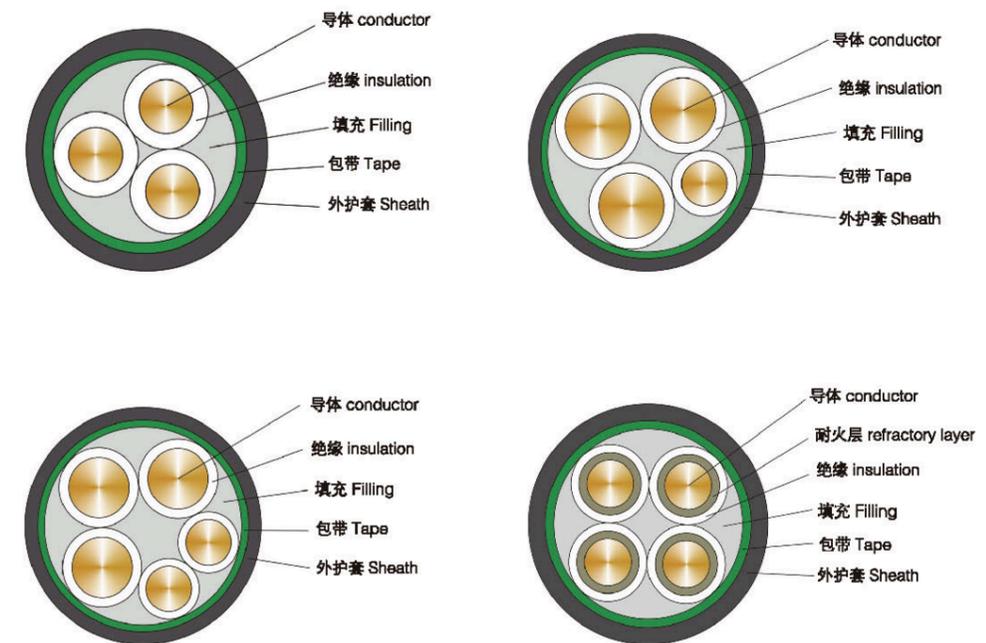
1. 执行标准 Implementation standards

GB/T12706.1-2008、GB/T19666-2005。

2. 用途 Use

电缆适用于固定敷设在交流50Hz,额定电压0.6/1kV及以下的输配电线路上作输送电能用。
The cable is suitable for the fixed laying in the AC 50Hz, rated voltage 0.6/1kV and the following transmission and distribution lines on the road for transmission of electricity can be used.

3. 电缆结构示意图 Schematic diagram of cable structure



4. 使用特性 Use characteristics

- 4.1 电缆的导体最高工作温度为70°C。
- 4.2 短路时(最长持续时间不超过5s)电缆导体最高工作温度为160°C, 过载温度不超过100°C。
- 4.3 敷设时环境温度不低于0°C。
- 4.4 弯曲半径 (表1)

- 4.1 The maximum operating temperature of the conductor of the cable is 70°C.
- 4.2 When laying the ambient temperature is not less than 0 degrees Celsius, the temperature of the environment of the cable laying is not less than 0°C.
- 4.3 Ambient temperature is not less than 0°C.
- 4.4 Bending radius (Table 1)

项目 project	表3 1芯			
	单芯电缆 Single-core cable		三芯电缆 Three core cable	
	无铠装 Unarmored	有铠装 Armoured	无铠装 Unarmored	有铠装 Armoured
安装时的电缆最小弯曲半径 Minimum bending radius of cable at installation time	20D	15D	15D	12D
靠近连接盒和终端的电缆最小弯曲半径(但要小心控制, 如采用成型导板) Near the junction box and the minimum bending radius of cable terminal (but be careful control, such as the use of molding plate)	15D	12D	12D	10D

注: D为电缆外径。 Note: D for cable outside diameter

4.5 敷设时不受水平落差限制。

4.6 电缆阻燃耐火性能满足GB/T19666-2005标准中相应指标要求。

5. 产品型号(表2)

4.5 When laying is not limited by the level of gap.

4.6 The fire resistance of the cable meets the requirements of the GB/T19666-2005 standard.

5. Product model (Table 2)

型号 Model		名称 Name
铜芯 Copper core	铝芯 Aluminum core	
WV	VLV	铜(铝)芯聚氯乙烯绝缘聚氯乙烯护套电力电缆 Copper (aluminum) core PVC insulated PVC sheathed power cable
WV22 (62)	VLV22 (62)	铜(铝)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套电力电缆 Copper (aluminum) core PVC insulated steel tape armored PVC sheathed power cable
WV32 (72)	VLV32 (72)	铜(铝)芯聚氯乙烯绝缘钢丝铠装聚氯乙烯护套电力电缆 Copper (aluminum) core PVC insulated steel wire armored PVC sheathed power cable
Z(A)B(C)-WV	Z(A)B(C)-VLV	铜(铝)芯聚氯乙烯绝缘聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core PVC insulated PVC sheathed flame-retardant power cable
Z(A)B(C)-WV22 (62)	Z(A)B(C)-VLV22 (62)	铜(铝)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core PVC insulated steel tape armored PVC sheathed flame retardant power cable
Z(A)B(C)-WV32 (72)	Z(A)B(C)-VLV32 (72)	铜(铝)芯聚氯乙烯绝缘钢丝铠装聚氯乙烯护套阻燃电力电缆 Copper (aluminum) core PVC insulated steel wire armored PVC sheathed flame retardant power cable
N-WV	/	铜芯聚氯乙烯绝缘聚氯乙烯护套耐火电力电缆 Copper core PVC insulated PVC sheathed fire resistant power cable
N-WV22 (62)	/	铜芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套耐火电力电缆 Copper core PVC insulated steel tape armored PVC sheathed fire resistant power cable
N-WV32 (72)	/	铜芯聚氯乙烯绝缘钢丝铠装聚氯乙烯护套耐火电力电缆 Copper core PVC insulated steel wire armored PVC sheathed fire resistant power cable
Z(A)B(C)-N-WV	Z(A)B(C)-N-VLV	铜(铝)芯聚氯乙烯绝缘聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core PVC insulated PVC sheathed flame retardant and fire resistant power cable
Z(A)B(C)-N-WV22 (62)	Z(A)B(C)-N-VLV22 (62)	铜(铝)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core PVC insulated steel tape armored PVC sheathed fire retardant and fire resistant power cable
Z(A)B(C)-N-WV32 (72)	Z(A)B(C)-N-VLV32 (72)	铜(铝)芯聚氯乙烯绝缘钢丝铠装聚氯乙烯护套阻燃耐火电力电缆 Copper (aluminum) core PVC insulated steel wire armored PVC sheathed fire-resistant and fire resistant power cable

注: ZR(A)B(C)等同于Z(A)B(C), NH等同于N, VF等同于V, 6代表非磁性金属带, 7代表非磁性金属丝。

6. 电缆结构尺寸(表3~表26)

6.1 0.6/1kV聚氯乙烯绝缘电力电缆结构尺寸(表3~表10)

6. Cable structure size (Table 3 to table 26)

6.1 0.6/1kV PVC power cable structure size (Table 3 and table 10)

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
1×1.5	0.8	1.4	6.4	54	55	55	65	45	46	46
1×2.5	0.8	1.4	6.8	67	68	68	78	52	53	53
1×4	1.0	1.4	7.7	92	93	93	105	67	69	69
1×6	1.0	1.4	8.2	115	117	117	128	78	79	79
1×10	1.0	1.4	9.3	163	165	165	178	101	103	103
1×16	1.0	1.4	10.2	226	229	229	243	127	130	130
1×25	1.2	1.4	11.8	330	333	333	349	175	178	178
1×35	1.2	1.4	12.8	431	434	434	451	214	218	218
1×50	1.4	1.4	14.4	597	605	605	620	290	298	298
1×70	1.4	1.4	16.1	802	811	811	828	375	385	385
1×95	1.6	1.5	18.2	1063	1074	1074	1093	481	492	492
1×120	1.6	1.5	19.9	1317	1329	1329	1349	578	591	591
1×150	1.8	1.6	21.8	1625	1639	1639	1660	700	713	713
1×185	2.0	1.7	24.0	1993	2008	2008	2032	852	867	867
1×240	2.2	1.8	26.9	2558	2575	2575	2601	1074	1091	1091
1×300	2.6	1.9	29.6	3169	3188	3188	3216	1316	1335	1335
1×400	2.6	2.0	33.5	4169	4190	4190	4222	1695	1716	1716
1×500	2.8	2.1	36.4	5155	5178	5178	5212	2071	2095	2095
1×630	2.8	2.2	40.6	6419	6446	6446	6484	2520	2546	2546

标称截面 Nominal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	外护套厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weight of cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
2×1.5	0.8	1.8	10.0	139	133	140	159	120	114	122
2×2.5	0.8	1.8	10.8	175	179	177	207	144	148	146
2×4	1.0	1.8	12.6	228	232	231	263	178	182	181
2×6	1.0	1.8	13.5	276	280	279	312	201	205	204
2×10	1.0	1.8	15.8	396	408	400	444	272	284	275
2×16	1.0	1.8	17.6	527	539	531	578	327	340	331
2×25	1.2	1.8	20.8	754	770	759	813	443	458	448
2×35	1.2	1.8	22.8	975	993	980	1039	539	557	544
2×50	1.4	1.8	26.8	1513	1412	1526	1463	897	796	910
2×70	1.4	1.9	30.0	1930	1830	1944	1887	1073	975	1089
2×95	1.6	2.0	34.4	2478	2381	2495	2445	1308	1212	1326
2×120	1.6	2.1	37.6	2992	2897	3011	2966	1508	1413	1527
2×150	1.8	2.2	41.6	3639	3546	3660	3622	1778	1685	1799
2×185	2.0	2.4	46.0	4517	4344	4540	4428	2221	2049	2245
2×240	2.2	2.6	51.8	5690	5520	5716	5613	2705	2536	2732
2×300	2.4	2.7	57.0	6935	6769	6965	6870	3209	3042	3238

表5 3芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
3×4	1.0	1.8	13.3	275	270	278	309	200	195	203
3×6	1.0	1.8	14.3	343	338	346	379	231	226	234
3×10	1.0	1.8	16.7	515	501	519	547	329	314	332
3×16	1.0	1.8	18.7	705	691	709	741	406	392	410
3×25	1.2	1.8	22.1	1027	1010	1033	1101	560	543	565
3×35	1.2	1.8	24.5	1331	1315	1337	1409	677	661	683
3×50	1.4	1.8	28.6	1804	1803	1818	1936	878	876	892
3×70	1.4	2.0	32.2	2426	2474	2442	2644	1138	1187	1155
3×95	1.6	2.1	36.9	3286	3310	3304	3458	1529	1553	1547
3×120	1.6	2.2	40.4	4110	4167	4130	4222	1882	1939	1902
3×150	1.8	2.3	44.7	5058	5117	5080	5181	2265	2324	2288
3×185	2.0	2.5	49.4	6281	6338	6307	6329	2836	2892	2861
3×240	2.2	2.7	55.6	7997	8057	8026	8062	3519	3579	3548
3×300	2.4	2.9	61.4	9967	9921	9999	9940	4375	4330	4407
3×400	2.6	3.1	69.8	13004	12963	13040	13000	5538	5497	5574

表6 4芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
4×4	1.0	1.8	14.4	344	337	347	383	245	237	248
4×6	1.0	1.8	15.5	433	426	437	475	284	277	287
4×10	1.0	1.8	18.3	654	652	658	708	405	403	409
4×16	1.0	1.8	20.5	903	902	907	963	504	503	509
4×25	1.2	1.8	24.3	1307	1308	1313	1379	685	685	691
4×35	1.2	1.8	26.7	1707	1708	1713	1785	835	836	842
4×50	1.4	1.9	31.0	2381	2409	2396	2499	1145	1173	1161
4×70	1.4	2.1	35.1	3296	3254	3314	3354	1577	1535	1596
4×95	1.6	2.2	40.3	4353	4314	4374	4428	2009	1970	2030
4×120	1.6	2.3	44.2	5348	5311	5371	5436	2376	2339	2399
4×150	1.8	2.5	49.2	6622	6587	6647	6725	2898	2863	2923
4×185	2.0	2.7	54.4	8502	8236	8530	8389	3907	3642	3936
4×240	2.2	2.9	61.3	10769	10507	10801	10678	4798	4537	4830
4×300	2.4	3.1	67.8	13230	12971	13265	13159	5773	5514	5808
4×400	2.6	3.4	77.3	17283	17030	17324	17243	7328	7075	7369

表7 5芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
5×4	1.0	1.8	15.6	405	398	408	452	280	273	284
5×6	1.0	1.8	16.9	515	508	519	566	328	321	332
5×10	1.0	1.8	19.9	779	778	783	845	467	467	472
5×16	1.0	1.8	22.4	1087	1087	1093	1162	589	589	595
5×25	1.2	1.8	26.7	1589	1590	1596	1677	811	812	817
5×35	1.2	1.9	29.6	2099	2101	2106	2188	1009	1011	1016
5×50	1.4	2	34.3	2931	2961	2949	3071	1386	1416	1404
5×70	1.4	2.2	38.8	4282	4131	4302	4255	2133	1982	2153
5×95	1.6	2.4	44.8	5617	5469	5640	5611	2685	2538	2709
5×120	1.6	2.5	49.1	6856	6711	6882	6866	3140	2995	3166
5×150	1.8	2.7	54.6	8440	8297	8468	8468	3784	3642	3813
5×185	2.0	2.9	60.4	10442	10179	10473	10368	4698	4436	4729
5×240	2.2	3.1	68.1	13263	13005	13299	13216	5800	5541	5835
5×300	2.4	3.3	75.2	16325	16071	16364	16303	7003	6749	7043
5×400	2.6	3.7	86.0	21407	21158	21452	21424	8963	8715	9009

表8 3+1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
3×6+1×4	1.0	1.8	15.2	411	404	414	452	274	267	277
3×10+1×6	1.0	1.8	17.6	593	579	597	633	369	355	373
3×16+1×10	1.0	1.8	19.9	840	840	845	900	479	478	484
3×25+1×16	1.2	1.8	23.4	1206	1206	1212	1275	640	640	645
3×35+1×16	1.2	1.8	28.1	1529	1530	1536	1603	779	779	785
3×50+1×25	1.4	1.9	28.3	2111	2137	2125	2222	1028	1055	1042
3×70+1×35	1.4	2.0	31.7	3080	2953	3095	3047	1572	1446	1588
3×95+1×50	1.6	2.2	36.6	4047	3923	4066	4031	1980	1856	1998
3×120+1×70	1.6	2.3	40.3	4993	4871	5013	4989	2334	2212	2355
3×150+1×70	1.8	2.4	43.8	5933	5813	5955	5941	2710	2590	2733
3×185+1×95	2.0	2.6	48.9	7442	7222	7467	7364	3410	3190	3435
3×240+1×120	2.2	2.8	54.8	9391	9174	9419	9332	4169	3953	4198
3×300+1×150	2.4	3.0	60.7	11549	11335	11580	11510	5025	4812	5057
3×400+1×185	2.6	3.2	68.6	14925	14716	14961	14912	6310	6101	6346

表9 3+2芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
3×6+2×4	1.0	1.8	16.4	471	464	474	521	309	302	312
3×10+2×6	1.0	1.8	18.7	672	659	677	722	411	397	415
3×16+2×10	1.0	1.8	21.4	964	964	969	1035	540	540	546
3×25+2×16	1.2	1.8	25.0	1388	1389	1395	1471	722	723	728
3×35+2×16	1.2	1.8	26.6	1686	1687	1693	1774	833	834	840
3×50+2×25	1.4	1.9	34.8	2433	2463	2451	2567	1195	1226	1213
3×70+2×35	1.4	2.1	39.2	3343	3304	3363	3420	1619	1580	1639
3×95+2×50	1.6	2.2	45.2	4463	4427	4486	4559	2087	2052	2111
3×120+2×70	1.6	2.4	50.1	5634	5601	5660	5747	2546	2513	2572
3×150+2×70	1.8	2.5	54.1	6586	6555	6614	6711	2934	2903	2962
3×185+2×95	2.0	2.7	60.6	8305	8222	8336	8396	3687	3605	3719
3×240+2×120	2.2	2.9	67.9	10519	10440	10554	10633	4555	4476	4591
3×300+2×150	2.4	3.1	75.2	13008	12933	13047	13146	5553	5479	5593
3×400+2×185	2.6	3.4	75.6	16626	16551	16666	16785	6862	6788	6902

表10 4+1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
				铜芯 Copper core				铝芯 Aluminum core		
				VV	ZAVV	ZCVV	NVV	VLV	ZAVLV	ZCVLV
4×6+1×4	1.0	1.8	16.6	493	486	496	544	318	312	322
4×10+1×6	1.0	1.8	19.3	718	705	723	770	432	418	436
4×16+1×10	1.0	1.8	21.9	1026	1025	1031	1098	565	565	570
4×25+1×16	1.2	1.8	25.8	1489	1490	1495	1574	766	767	773
4×35+1×16	1.2	1.8	28.0	1886	1888	1893	1978	915	916	922
4×50+1×25	1.4	2.0	35.0	2693	2724	2711	2833	1301	1332	1319
4×70+1×35	1.4	2.1	39.2	3933	3783	3953	3904	1994	1844	2015
4×95+1×50	1.6	2.3	45.4	5170	5023	5194	5162	2516	2370	2540
4×120+1×70	1.6	2.5	50.3	6390	6245	6416	6398	2990	2846	3016
4×150+1×70	1.8	2.6	54.3	7638	7496	7667	7661	3487	3345	3516
4×185+1×95	2.0	2.8	60.8	9648	9337	9680	9520	4469	4158	4501
4×240+1×120	2.2	3.0	68.1	12163	11856	12199	12060	5451	5144	5487
4×300+1×150	2.4	3.2	75.4	14999	14700	15039	14925	6611	6313	6651
4×400+1×185	2.6	3.5	80.8	19342	19046	19384	19296	8238	7942	8281

6.2 0.6/1kV聚氯乙烯绝缘钢带铠装电力电缆结构尺寸 (表11~表20)

表11 1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV62	ZAVV62	ZCVV62	NVV62	VLV62	ZAVLV62	ZCVLV62
1×10	1.0	2×0.2	1.8	13.3	319	319	319	314	257	257	257
1×16	1.0	2×0.2	1.8	14.2	396	396	396	391	297	297	297
1×25	1.2	2×0.2	1.8	15.8	524	524	524	518	369	369	369
1×35	1.2	2×0.2	1.8	16.8	640	640	640	633	423	423	423
1×50	1.4	2×0.2	1.8	18.4	824	824	824	817	520	520	520
1×70	1.4	2×0.2	1.8	19.9	1044	1044	1044	1036	625	625	625
1×95	1.6	2×0.2	1.8	22.0	1336	1336	1336	1326	759	759	759
1×120	1.6	2×0.2	1.8	23.5	1601	1601	1601	1591	867	867	867
1×150	1.8	2×0.2	1.8	26.0	1975	1975	1975	1924	1053	1053	1053
1×185	2.0	2×0.2	1.8	28.0	2363	2363	2363	2308	1224	1224	1224
1×240	2.2	2×0.2	1.9	30.9	2969	2969	2969	2909	1487	1487	1487
1×300	2.4	2×0.2	1.9	33.8	3638	3638	3638	3554	1803	1803	1803
1×400	2.6	2×0.2	2.1	39.1	5076	5076	5076	4996	2605	2605	2605
1×500	2.8	2×0.5	2.2	42.0	6135	6135	6135	6050	3064	3064	3064
1×630	2.8	2×0.5	2.3	46.2	7506	7506	7506	7413	3606	3606	3606

表12 2芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
2×4	1.0	2×0.2	1.8	14.2	357	358	357	418	307	309	307
2×6	1.0	2×0.2	1.8	15.1	415	417	415	478	341	342	341
2×10	1.0	2×0.2	1.8	17.4	563	571	563	636	438	447	438
2×16	1.0	2×0.2	1.8	19.2	714	723	714	791	515	523	515
2×25	1.2	2×0.2	1.8	22.4	979	990	979	1063	668	678	668
2×35	1.2	2×0.2	1.8	24.4	1223	1236	1223	1313	787	800	787
2×50	1.4	2×0.2	1.8	28.1	1691	1634	1691	1703	1067	1094	1067
2×70	1.4	2×0.2	1.9	31.3	2147	2090	2147	2164	1290	1316	1290
2×95	1.6	2×0.5	2.1	35.7	2751	2694	2751	2791	1592	1618	1592
2×120	1.6	2×0.5	2.2	40.1	3678	3621	3678	3744	2208	2235	2208
2×150	1.8	2×0.5	2.4	44.3	4434	4377	4434	4510	2583	2610	2583
2×185	2.0	2×0.5	2.5	48.5	5334	5236	5334	5377	3048	3046	3048
2×240	2.2	2×0.5	2.7	54.3	6635	6537	6635	6691	3656	3654	3656
2×300	2.4	2×0.5	2.9	59.7	8026	7928	8026	8094	4308	4307	4308

表13 3芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
3×4	1.0	2×0.2	1.8	14.9	412	404	412	474	337	329	337
3×6	1.0	2×0.2	1.8	15.9	492	484	492	557	380	372	380
3×10	1.0	2×0.2	1.8	18.3	693	675	693	753	506	488	506
3×16	1.0	2×0.2	1.8	20.3	905	887	905	970	606	588	606
3×25	1.2	2×0.2	1.8	23.7	1268	1278	1268	1370	801	778	801
3×35	1.2	2×0.2	1.8	25.9	1596	1606	1596	1703	942	919	942
3×50	1.4	2×0.2	1.9	29.9	2181	2194	2181	2298	1260	1209	1260
3×70	1.4	2×0.2	2.0	33.3	3054	2920	3054	3033	1780	1554	1780
3×95	1.6	2×0.5	2.2	38.2	3930	3796	3930	3923	2559	2365	2559
3×120	1.6	2×0.5	2.3	42.9	5127	4993	5127	5149	2914	2821	2914
3×150	1.8	2×0.5	2.5	47.2	6172	6037	6172	6228	3410	3318	3410
3×185	2.0	2×0.5	2.6	51.9	7451	7275	7451	7457	4015	3965	4015
3×240	2.2	2×0.5	2.8	58.1	9305	9129	9305	9328	4832	4782	4832
3×300	2.4	2×0.5	3.0	63.9	11295	11119	11295	11335	5713	5663	5713
3×400	2.6	2×0.5	3.3	72.5	14552	14377	14552	14617	7092	7041	7092

表14 4芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
4×4	1.0	2×0.2	1.8	16.0	494	484	494	567	394	384	394
4×6	1.0	2×0.2	1.8	17.1	596	586	596	672	447	436	447
4×10	1.0	2×0.2	1.8	19.9	849	843	849	937	600	594	600
4×16	1.0	2×0.2	1.8	22.1	1123	1118	1123	1218	725	719	725
4×25	1.2	2×0.2	1.8	25.9	1574	1568	1574	1680	951	946	951
4×35	1.2	2×0.2	1.9	28.5	2014	2009	2014	2128	1142	1137	1142
4×50	1.4	2×0.2	2.0	32.9	2765	2778	2765	2908	1535	1548	1535
4×70	1.4	2×0.5	2.2	38.2	4083	4022	4083	4188	2392	2332	2392
4×95	1.6	2×0.5	2.4	43.6	5279	5219	5279	5403	2958	2898	2958
4×120	1.6	2×0.5	2.5	47.5	6362	6302	6362	6497	3407	3347	3407
4×150	1.8	2×0.5	2.6	52.3	7725	7665	7725	7875	4012	3952	4012
4×185	2.0	2×0.5	2.8	57.5	9721	9427	9721	9654	5137	4843	5137
4×240	2.2	2×0.5	3.0	64.4	12143	11850	12143	12100	6178	5884	6178
4×300	2.4	2×0.5	3.2	71.1	14780	14486	14780	14725	7302	7008	7302
4×400	2.6	2×0.5	3.6	80.6	19051	18757	19051	19061	9101	8807	9101

表15 5芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
5×4	1.0	2×0.2	1.8	17.2	569	558	569	655	444	434	444
5×6	1.0	2×0.2	1.8	18.5	693	683	693	783	507	496	507
5×10	1.0	2×0.2	1.8	21.5	993	988	993	1098	682	677	682
5×16	1.0	2×0.2	1.8	24.0	1331	1325	1331	1443	832	827	832
5×25	1.2	2×0.2	1.8	28.5	1896	1890	1896	2009	1105	1099	1105
5×35	1.2	2×0.2	2.0	31.4	2439	2433	2439	2576	1349	1344	1349
5×50	1.4	2×0.5	2.2	36.4	3373	3386	3373	3544	1835	1848	1835
5×70	1.4	2×0.5	2.3	41.9	5152	4981	5152	5179	3034	2863	3034
5×95	1.6	2×0.5	2.5	47.9	6622	6451	6622	6670	3716	3545	3716
5×120	1.6	2×0.5	2.6	52.2	7957	7786	7957	8020	4260	4089	4260
5×150	1.8	2×0.5	2.8	57.7	9663	9492	9663	9746	5020	4849	5020
5×185	2.0	2×0.5	3.0	63.5	11794	11500	11794	11775	6063	5769	6063
5×240	2.2	2×0.5	3.2	71.4	14821	14527	14821	14797	7331	7037	7331
5×300	2.4	2×0.5	3.5	78.5	18046	17752	18046	18083	8737	8443	8737
5×400	2.6	2×0.8	3.8	90.5	24238	23944	24238	24298	11763	11469	11763

表16 3+1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thick- ness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
3×4+1×2.5	1.0	2×0.2	1.8	15.5	464	454	464	536	374	364	374
3×6+1×4	1.0	2×0.2	1.8	16.8	571	560	571	646	434	423	434
3×10+1×6	1.0	2×0.2	1.8	19.2	780	762	780	854	556	538	556
3×16+1×10	1.0	2×0.2	1.8	21.5	1055	1049	1055	1148	694	688	694
3×25+1×16	1.2	2×0.2	1.8	25.0	1461	1456	1461	1564	894	889	894
3×35+1×16	1.2	2×0.2	1.8	26.8	1782	1776	1782	1890	1028	1023	1028
3×50+1×25	1.4	2×0.2	1.9	30.2	2460	2472	2460	2581	1368	1381	1368
3×70+1×35	1.4	2×0.2	2.1	33.6	3471	3329	3471	3462	1974	1832	1974
3×95+1×50	1.6	2×0.5	2.3	39.7	4798	4656	4798	4897	2750	2608	2750
3×120+1×70	1.6	2×0.5	2.4	43.4	5896	5753	5896	5937	3255	3113	3255
3×150+1×70	1.8	2×0.5	2.5	46.9	6914	6772	6914	6967	3706	3564	3706
3×185+1×95	2.0	2×0.5	2.7	52.0	8535	8290	8535	8503	4517	4272	4517
3×240+1×120	2.2	2×0.5	2.9	57.9	10616	10371	10616	10603	5403	5158	5403
3×300+1×150	2.4	2×0.5	3.1	63.8	12904	12659	12904	12911	6391	6146	6391
3×400+1×185	2.6	2×0.5	3.3	71.9	16492	16247	16492	16494	7851	7606	7851

6.3 0.6/1kV聚氯乙烯绝缘钢丝铠装电力电缆结构尺寸 (表19~表26)
0.6/1kV PVC insulated steel wire armoured power cable structure size (Table 19 and table 26)

表17 3+2芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
3×4+2×2.5	1.0	2×0.2	1.8	16.2	511	501	511	594	406	395	406
3×6+2×4	1.0	2×0.2	1.8	18.0	643	633	643	732	482	471	482
3×10+2×6	1.0	2×0.2	1.8	20.3	873	855	873	961	611	593	611
3×16+2×10	1.0	2×0.2	1.8	23.0	1196	1190	1196	1305	772	767	772
3×25+2×16	1.2	2×0.2	1.8	26.6	1662	1657	1662	1782	996	990	996
3×35+2×16	1.2	2×0.2	1.9	28.4	1991	1986	1991	2118	1138	1133	1138
3×50+2×25	1.4	2×0.2	2	36.7	2867	2879	2867	3033	1634	1647	1634
3×70+2×35	1.4	2×0.5	2.2	41.1	3830	3771	3830	3939	2119	2060	2119
3×95+2×50	1.6	2×0.5	2.4	48.5	5505	5445	5505	5661	3153	3093	3153
3×120+2×70	1.6	2×0.5	2.5	53.2	6762	6703	6762	6933	3700	3640	3700
3×150+2×70	1.8	2×0.5	2.6	57.2	7804	7745	7804	7987	4173	4114	4173
3×185+2×95	2.0	2×0.5	2.8	63.7	9668	9554	9668	9818	5069	4955	5069
3×240+2×120	2.2	2×0.5	3	71.0	12046	11932	12046	12220	6094	5980	6094
3×300+2×150	2.4	2×0.5	3.2	78.3	14699	14585	14699	14897	7259	7145	7259
3×400+2×185	2.6	2×0.5	3.5	78.9	18356	18242	18356	18573	8601	8487	8601

表18 4+1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	钢带厚度 Steel tape thickness (mm)	外护套 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
					铜芯 Copper core				铝芯 Aluminum core		
					VV22	ZAVV22	ZCVV22	NVV22	VLV22	ZAVLV22	ZCVLV22
4×4+1×2.5	1.0	2×0.2	1.8	16.7	540	530	540	625	425	414	425
4×6+1×4	1.0	2×0.2	1.8	18.2	668	658	668	758	494	484	494
4×10+1×6	1.0	2×0.2	1.8	20.9	926	908	926	1016	639	621	639
4×16+1×10	1.0	2×0.2	1.8	23.5	1263	1258	1263	1374	802	797	802
4×25+1×16	1.2	2×0.2	1.8	27.4	1772	1767	1772	1896	1050	1045	1050
4×35+1×16	1.2	2×0.2	1.9	29.8	2208	2203	2208	2340	1237	1231	1237
4×50+1×25	1.4	2×0.2	2.1	36.9	3128	3141	3128	3300	1741	1754	1741
4×70+1×35	1.4	2×0.5	2.2	42.5	4836	4665	4836	4846	2901	2730	2901
4×95+1×50	1.6	2×0.5	2.4	48.5	6192	6021	6192	6243	3561	3391	3561
4×120+1×70	1.6	2×0.5	2.6	53.4	7520	7349	7520	7586	4145	3974	4145
4×150+1×70	1.8	2×0.5	2.7	57.4	8858	8687	8858	8940	4728	4557	4728
4×185+1×95	2.0	2×0.5	2.9	63.9	11013	10670	11013	10945	5852	5510	5852
4×240+1×120	2.2	2×0.5	3.1	71.2	13692	13349	13692	13650	6992	6649	6992
4×300+1×150	2.4	2×0.5	3.3	78.7	16727	16389	16727	16679	8318	7980	8318
4×400+1×185	2.6	2×0.8	3.7	85.3	22005	21666	22005	22043	10912	10574	10912

表19 1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV72	ZAVV72	ZCVV72	NVV72	VLV72	ZAVLV72	ZCVLV72
1×10	1.0	1.2	0.8	1.8	14.7	321	323	323	231	263	265	265
1×16	1.0	1.2	0.8	1.8	15.6	397	399	399	296	307	309	309
1×25	1.2	1.2	0.8	1.8	17.2	522	525	525	404	373	376	376
1×35	1.2	1.2	0.8	1.8	19.1	680	683	683	514	469	472	472
1×50	1.4	1.2	1.25	1.8	20.7	872	881	881	678	569	577	577
1×70	1.4	1.2	1.25	1.8	22.2	1096	1105	1105	878	671	681	681
1×95	1.6	1.2	1.25	1.8	25.0	1436	1447	1447	1148	854	865	865
1×120	1.6	1.2	1.6	1.8	26.5	1708	1720	1720	1403	968	981	981
1×150	1.8	1.2	1.6	1.8	29.0	2093	2106	2106	1719	1171	1185	1185
1×185	2.0	1.2	1.6	1.8	31.2	2503	2518	2518	2095	1366	1381	1381
1×240	2.2	1.2	1.6	1.9	34.1	3124	3140	3140	2666	1642	1659	1659
1×300	2.4	1.2	2.0	2.0	38.0	3903	3922	3922	3297	2055	2074	2074
1×400	2.6	1.2	2.0	2.1	41.9	4991	5013	5013	4306	2520	2541	2541
1×500	2.8	1.2	2.0	2.2	44.8	6043	6067	6067	5312	2971	2995	2995
1×630	2.8	1.3	2.0	2.4	50.2	7560	7586	7586	6608	3685	3712	3712

表20 2芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
2×4	1.0	1.2	0.8	1.8	17.4	533	537	536	296	483	488	488
2×6	1.0	1.2	0.8	1.8	19.2	734	738	736	351	662	667	667
2×10	1.0	1.2	1.25	1.8	21.5	923	934	926	473	811	823	823
2×16	1.0	1.2	1.26	1.8	23.3	1107	1120	1111	604	939	951	951
2×25	1.2	1.2	1.6	1.8	27.2	1585	1601	1590	840	1294	1310	1310
2×35	1.2	1.2	1.6	1.8	29.2	1879	1897	1884	1062	1463	1481	1481
2×50	1.4	1.2	1.6	1.9	33.4	2444	2400	2457	1642	1842	1882	1882
2×70	1.4	1.2	1.6	2.0	37.4	3223	3181	3238	2075	2388	2429	2429
2×95	1.6	1.2	2.0	2.2	41.8	3963	3923	3980	2636	2804	2848	2848
2×120	1.6	1.2	2.0	2.3	45.0	4614	4576	4633	3160	3132	3178	3178
2×150	1.8	1.3	2.0	2.4	50.8	5969	5933	5990	3860	4131	4178	4178
2×185	2.0	1.4	2.5	2.6	55.0	7000	6925	7023	4734	4726	4748	4748
2×240	2.2	1.5	2.5	2.8	60.8	8479	8407	8505	5928	5505	5530	5530
2×300	2.4	1.6	2.5	2.9	66.6	10111	10042	10140	7226	6406	6435	6435

表21 3芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
3×4	1.0	1.2	1.25	1.8	19.0	726	721	729	356	651	646	646
3×6	1.0	1.2	1.25	1.8	20.0	824	819	827	424	716	711	711
3×10	1.0	1.2	1.25	1.8	22.4	1070	1056	1074	598	898	883	883
3×16	1.0	1.2	1.25	1.8	25.1	1459	1445	1463	794	1200	1186	1186
3×25	1.2	1.2	1.6	1.8	28.5	1908	1924	1913	1120	1463	1446	1446
3×35	1.2	1.2	1.6	1.8	30.9	2303	2319	2308	1438	1671	1655	1655
3×50	1.4	1.2	1.6	2.0	35.2	2976	3003	2990	1978	2066	2029	2029
3×70	1.4	1.2	2.0	2.1	39.4	4194	4075	4210	2826	2927	2717	2717
3×95	1.6	1.2	2.0	2.2	44.3	5219	5103	5237	3660	3472	3296	3296
3×120	1.6	1.3	2.0	2.3	47.8	6120	6006	6141	4424	3893	3820	3820
3×150	1.8	1.4	2.5	2.5	53.9	7822	7710	7845	5429	5054	4984	4984
3×185	2.0	1.4	2.5	2.7	58.4	9221	9071	9246	6600	5799	5774	5774
3×240	2.2	1.5	2.5	2.9	64.6	11267	11120	11296	8340	6801	6780	6780
3×300	2.4	1.6	2.5	3.1	70.8	13515	13371	13547	10230	7947	7929	7929
3×400	2.6	1.8	3.15	3.4	80.7	17939	17800	17975	13351	10488	10474	10474

表23 5芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
5×4	1.0	1.2	1.25	1.8	21.1	918	911	921	497	793	786	786
5×6	1.0	1.2	1.25	1.8	22.4	1065	1058	1069	608	883	877	877
5×10	1.0	1.2	1.6	1.8	26.1	1569	1569	1574	879	1280	1279	1279
5×16	1.0	1.2	1.6	1.8	28.6	1967	1967	1972	1189	1520	1520	1520
5×25	1.2	1.2	1.6	1.9	33.3	2656	2657	2662	1729	1907	1908	1908
5×35	1.2	1.2	2.0	2.0	37.0	3514	3516	3522	2254	2459	2461	2461
5×50	1.4	1.2	2.0	2.2	41.7	4552	4582	4569	3112	3031	3061	3061
5×70	1.4	1.3	2.0	2.3	46.2	6091	5940	6110	4479	3965	3815	3815
5×95	1.6	1.4	2.5	2.5	53.2	8133	7985	8156	5849	5218	5070	5070
5×120	1.6	1.4	2.5	2.7	57.7	9620	9475	9645	7128	5905	5760	5760
5×150	1.8	1.5	2.5	2.9	63.6	11571	11429	11599	8716	6946	6803	6803
5×185	2.0	1.6	2.5	3.0	69.4	13880	13617	13911	10743	8166	7904	7904
5×240	2.2	1.8	3.15	3.3	78.6	18016	17757	18051	13629	10570	10312	10312
5×300	2.4	1.9	3.15	3.6	86.3	21680	21426	21719	16790	12396	12141	12141
5×400	2.6	2.1	3.15	3.9	96.9	27428	27180	27474	21886	15003	14755	14755

表22 4芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
4×4	1.0	1.2	1.25	1.8	19.9	821	813	824	430	721	714	714
4×6	1.0	1.2	1.25	1.8	21.0	943	936	947	519	798	791	791
4×10	1.0	1.2	1.25	1.8	23.8	1247	1245	1251	741	1014	1013	1013
4×16	1.0	1.2	1.6	1.8	26.7	1713	1712	1717	997	1359	1359	1359
4×25	1.2	1.2	1.6	1.8	30.7	2272	2273	2278	1421	1676	1676	1676
4×35	1.2	1.2	1.6	1.9	33.3	2776	2777	2782	1839	1930	1932	1932
4×50	1.4	1.2	2.0	2.1	38.4	3861	3889	3876	2543	2646	2675	2675
4×70	1.4	1.2	2.0	2.2	42.5	4945	4902	4962	3474	3249	3206	3206
4×95	1.6	1.3	2.5	2.4	47.9	6254	6214	6274	4570	3920	3881	3881
4×120	1.6	1.4	2.5	2.5	52.8	7860	7822	7883	5590	4889	4852	4852
4×150	1.8	1.4	2.5	2.7	58.2	9467	9432	9492	6867	5769	5735	5735
4×185	2.0	1.5	2.5	2.9	63.4	11623	11357	11651	8770	7055	6789	6789
4×240	2.2	1.7	2.5	3.1	70.3	14259	13997	14291	11064	8302	8040	8040
4×300	2.4	1.8	3.15	3.3	78.7	18052	17794	18088	13591	10628	10370	10370
4×400	2.6	1.9	3.15	3.6	88.2	22735	22481	22775	17708	12796	12543	12543

表24 3+1芯

标称截面 Nominnal section (mm ²)	绝缘标 称厚度 Insulation thickness (mm)	内护 厚度 Internal protection thickness (mm)	钢丝 直径 Diameter of steel wire (mm)	外护 厚度 Outer sheath thickness (mm)	电缆近 似外径 Approx. overall di- ameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
3×4+1×2.5	1.0	1.2	1.25	1.8	19.4	781	774	784	405	691	683	683
3×6+1×4	1.0	1.2	1.25	1.8	20.7	913	906	916	497	779	772	772
3×10+1×6	1.0	1.2	1.25	1.8	23.1	1165	1151	1169	680	954	941	941
3×16+1×10	1.0	1.2	1.6	1.8	26.1	1630	1630	1635	934	1308	1308	1308
3×25+1×16	1.2	1.2	1.6	1.8	29.6	2122	2122	2128	1304	1586	1587	1587
3×35+1×16	1.2	1.2	1.6	1.9	31.6	2502	2503	2508	1644	1779	1780	1780
3×50+1×25	1.4	1.2	2.0	2.0	34.9	3233	3260	3247	2259	2170	2197	2197
3×70+1×35	1.4	1.2	2.0	2.1	39.1	4584	4457	4599	3246	3099	2973	2973
3×95+1×50	1.6	1.2	2.0	2.3	44.0	5762	5638	5780	4233	3707	3583	3583
3×120+1×70	1.6	1.3	2.5	2.5	48.7	7273	7151	7294	5201	4622	4500	4500
3×150+1×70	1.8	1.4	2.5	2.6	52.8	8489	8369	8511	6161	5292	5172	5172
3×185+1×95	2.0	1.5	2.5	2.7	57.9	10265	10045	10290	7693	6255	6036	6036
3×240+1×120	2.2	1.6	2.5	2.9	63.8	12528	12311	12556	9664	7316	7100	7100
3×300+1×150	2.4	1.7	2.5	3.1	70.1	15073	14860	15105	11852	8575	8362	8362
3×400+1×185	2.6	1.8	3.15	3.4	79.5	19796	19587	19832	15314	11201	10992	10992

表25 3+2芯

标称截面 Nominnal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
3×4+2×2.5	1.0	1.2	1.25	1.8	20.1	843	835	846	449	737	729	729
3×6+2×4	1.0	1.2	1.6	1.8	21.9	1006	999	1010	563	847	840	840
3×10+2×6	1.0	1.2	1.6	1.8	24.2	1278	1264	1282	766	1030	1016	1016
3×16+2×10	1.0	1.2	1.6	1.8	27.6	1808	1807	1813	1065	1424	1424	1424
3×25+2×16	1.2	1.2	1.6	1.8	31.4	2376	2377	2382	1509	1749	1749	1749
3×35+2×16	1.2	1.2	1.6	1.9	33.2	2749	2750	2755	1824	1935	1936	1936
3×50+2×25	1.4	1.2	2.0	2.1	42.2	4082	4112	4099	2611	2874	2905	2905
3×70+2×35	1.4	1.2	2.0	2.2	46.6	5177	5138	5197	3538	3485	3446	3446
3×95+2×50	1.6	1.3	2.5	2.4	52.8	6583	6547	6606	4702	4225	4190	4190
3×120+2×70	1.6	1.4	2.5	2.5	58.5	8435	8402	8461	5877	5360	5327	5327
3×150+2×70	1.8	1.4	2.5	2.7	63.1	9704	9673	9732	6851	6086	6055	6055
3×185+2×95	2.0	1.5	2.5	2.8	69.6	11768	11685	11800	8596	7178	7096	7096
3×240+2×120	2.2	1.6	2.5	3.0	78.2	15241	15163	15277	10837	9292	9213	9213
3×300+2×150	2.4	1.8	2.5	3.3	86.1	18339	18264	18379	13399	10926	10852	10852
3×400+2×185	2.6	1.9	3.15	3.6	86.7	22007	21932	22047	17092	12269	12195	12195

表26 4+1芯

标称截面 Nominnal section (mm ²)	绝缘标称厚度 Insulation thickness (mm)	内护厚度 Internal protection thickness (mm)	钢丝直径 Diameter of steel wire (mm)	外护厚度 Outer sheath thickness (mm)	电缆近似外径 Approx. overall diameter of cable(mm)	电缆近似重量 Approx weightof cable(kg/km)						
						铜芯 Copper core				铝芯 Aluminum core		
						VV32	ZAVV32	ZCVV32	NVV32	VLV32	ZAVLV32	ZCVLV32
4×4+1×2.5	1.0	1.2	1.25	1.8	20.6	880	873	883	473	765	758	758
4×6+1×4	1.0	1.2	1.25	1.8	22.1	1036	1029	1039	586	865	858	858
4×10+1×6	1.0	1.2	1.6	1.8	24.8	1343	1329	1347	813	1072	1059	1059
4×16+1×10	1.0	1.2	1.6	1.8	28.1	1887	1887	1893	1127	1472	1472	1472
4×25+1×16	1.2	1.2	1.6	1.8	32.2	2508	2509	2515	1611	1820	1821	1821
4×35+1×16	1.2	1.2	1.6	1.9	34.6	3001	3002	3008	2027	2064	2066	2066
4×50+1×25	1.4	1.2	2.0	2.0	42.4	4345	4376	4363	2877	2983	3014	3014
4×70+1×35	1.4	1.2	2.0	2.1	46.6	5694	5543	5714	4129	3785	3635	3635
4×95+1×50	1.6	1.3	2.5	2.3	53.8	7725	7578	7748	5401	5093	4946	4946
4×120+1×70	1.6	1.4	2.5	2.5	58.7	9194	9050	9220	6640	5807	5663	5663
4×150+1×70	1.8	1.5	2.5	2.6	63.3	10760	10618	10789	7911	6644	6502	6502
4×185+1×95	2.0	1.6	2.5	2.8	69.8	13000	12689	13032	9947	7850	7540	7540
4×240+1×120	2.2	1.7	2.5	2.9	78.6	16925	16618	16961	12526	10229	9922	9922
4×300+1×150	2.4	1.8	3.15	3.2	86.3	20335	20037	20375	15420	11989	11691	11691
4×400+1×185	2.6	2.0	3.15	3.4	91.7	25024	24728	25066	19794	13942	13647	13647

7 电缆电气性能

- 7.1 电缆出厂前应经受交流3.5kV/5min电压试验；
- 7.2 新安装电缆敷设后应施加直流2.4kV/15min电压试验。
- 7.3 一类、二类导体20°C时最大直流电阻（表27）。

7 Electrical performance of electric cable

- 7.1 Cable factory should bear AC 3.5kV/5min voltage test；
- 7.2 The new installation of the cable should be applied after the DC 2.4kV/15min voltage test.
- 7.3 A class of two conductor 20 C maximum DC resistance (table 27)

表 27

标称截面 Nominnal section (mm ²)	导线最大直流电阻 Maximum DC resistance of conductor (Ω/km)	
	铜 copper	铝 aluminum
	1.5	12.1
2.5	7.41	12.1
4	4.61	7.41
6	3.08	4.61
10	1.83	3.08
16	1.15	1.91
25	0.727	1.2
35	0.524	0.868
50	0.387	0.641
70	0.268	0.443
95	0.193	0.32
120	0.153	0.253
150	0.124	0.206
185	0.0991	0.164
240	0.0754	0.125
300	0.0601	0.1
400	0.047	0.0778
500	0.0366	0.0605
630	0.0283	0.0469

8 载流量 Load flow

8.1 不同环境温度下的载流量修正系数 (表28) Correction coefficient of load flow at different ambient temperatures (table 28)

表 28

导体工作温度 Conductor operating temperature	空气温度 air temperature (°C)							
	20	25	30	35	40	45	50	55
	1.29	1.22	1.15	1.08	1.0	0.91	0.82	0.71
70°C	土壤温度 soil temperature (°C)							
	5	10	15	20	25	30	35	40
	1.20	1.15	1.11	1.05	1.0	0.94	0.88	0.82

8.2 导体允许最高短路电流 (表29) The conductor allows the maximum short-circuit current (table 29).

表29

导电线芯短时允许最高温度(°C) Conductive wire core to allow maximum temperature	最高允许短路电流 Maximum permissible short circuit current (A)	
	铜 copper	铝 aluminum
160	115S/√t	43.9S/√t

8.3 聚氯乙烯绝缘电力电缆参考载流量 (表30~表33)

8.3 PVC insulated power cable reference current (table 30 ~ 33)

表 30

导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 Long - term continuous load in the air to allow the flow of reference (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum
1.5	14	-	21	-	18	-	15	-
2.5	24	19	31	24	25	19	21	17
4	32	25	41	32	33	26	28	22
6	40	33	52	43	42	34	36	29
10	55	42	70	55	58	44	49	38
16	74	58	97	75	76	59	66	51
25	95	74	120	96	98	76	84	65
35	115	90	150	115	120	93	100	80
50	140	110	180	140	145	115	125	98
70	180	140	230	180	185	145	160	120
95	220	170	280	215	230	170	195	150
120	255	200	325	255	265	205	235	180
150	295	230	375	290	305	235	260	200
185	340	265	430	335	350	275	305	235
240	405	320	415	400	415	330	360	280
300	470	370	695	465	485	380	410	320
400	550	435	700	550	-	-	485	380
500	635	510	810	640	-	-	-	-
630	735	600	950	760	-	-	-	-
工作温度 working temperature	70°C							
环境温度 ambient temperature	40°C							

表 31

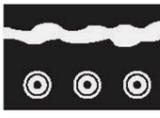
导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 (A) Long term continuous load in the soil to allow the flow of reference							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum	铜 copper	铝 aluminum
10	81	62	84	65	84	65	72	55
16	105	82	110	85	110	85	94	73
25	130	100	135	105	140	110	120	94
35	160	120	165	125	175	135	145	110
50	185	145	195	150	205	160	175	135
70	230	180	240	185	255	195	210	165
95	275	215	290	225	305	235	255	200
120	315	245	325	255	350	270	295	230
150	350	275	370	285	390	305	330	255
185	395	310	420	325	440	345	370	290
240	460	360	485	380	505	400	425	335
300	515	405	550	430	575	450	480	375
400	585	465	630	490	-	-	555	435
500	655	530	715	565	-	-	-	-
630	740	605	820	655	-	-	-	-
工作温度 working temperature	70°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							

表 32

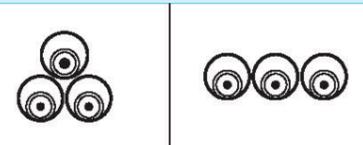
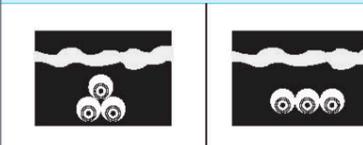
导体截面积 Conductor cross-section (mm ²)	土壤管道中长期连续负荷允许参考载流量 Long term continuous load of soil pipeline to allow for reference load flow (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
10	49	37	54	42	44	34	37	29
16	66	51	73	56	58	45	49	38
25	83	65	93	72	73	56	61	48
35	100	79	110	87	89	69	75	58
50	125	95	135	105	105	84	92	71
70	155	120	170	130	135	105	115	89
95	190	145	205	160	165	130	140	110
120	215	170	240	185	195	150	170	130
150	250	195	275	210	220	170	190	145
185	290	225	315	245	255	200	220	170
240	345	265	375	290	—	—	260	205
300	395	310	435	335	—	—	300	225
400	465	365	510	395	—	—	355	280
500	540	430	590	465	—	—	—	—
630	630	505	695	550	—	—	—	—
工作温度 working temperature	70°C							
环境温度 ambient temperature	40°C							

表 33

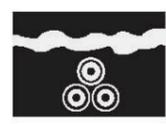
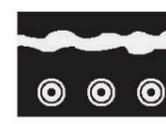
导体截面积 Conductor cross-section (mm ²)	土壤管道中长期连续负荷允许参考载流量 Long term continuous load of soil pipeline to allow for reference load flow (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
10	62	47	63	48	25	20	47	36
16	81	63	83	64	33	26	62	48
25	100	80	105	82	42	34	78	61
35	120	96	125	98	56	43	95	73
50	145	115	150	115	73	57	115	89
70	180	140	185	145	93	72	140	110
95	220	170	225	175	110	87	170	135
120	250	195	255	200	135	105	200	155
150	285	220	290	225	165	130	225	175
185	325	250	335	260	205	160	260	200
240	380	295	390	305	235	185	305	240
300	430	335	450	350	270	210	350	275
400	500	390	520	410	—	—	405	320
500	570	450	600	475	—	—	—	—
630	655	525	695	550	—	—	—	—
工作温度 working temperature	70°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							

8.4 聚氯乙烯绝缘钢丝或钢带铠装电力电缆参考载流量 (表34~表35)

表 34

导体截面积 Conductor cross-section (mm ²)	空气中长期连续负荷允许参考载流量 Long - term continuous load in the air to allow the flow of reference (A)							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
4	—	—	—	—	31	25	26	22
6	—	—	—	—	40	32	35	29
10	39	29	49	39	57	43	50	38
16	52	41	68	53	74	58	66	51
25	67	52	84	67	96	74	85	66
35	81	63	105	81	118	91	105	81
50	98	77	126	98	142	113	125	98
70	126	98	161	126	181	142	160	120
95	154	119	196	151	225	167	195	150
120	179	140	228	179	260	201	235	180
150	207	161	263	203	299	230	265	205
185	238	186	301	235	343	270	300	235
240	284	224	291	280	407	323	355	280
300	329	259	487	326	475	372	410	320
400	385	305	490	385	—	—	480	380
500	445	357	567	448	—	—	—	—
630	515	420	665	532	—	—	—	—
500	635	510	810	640	—	—	—	—
630	735	600	950	760	—	—	—	—
工作温度 working temperature	70°C							
环境温度 ambient temperature	40°C							

表 35

导体截面积 Conductor cross-section (mm ²)	土壤中长期连续负荷允许参考载流量 (A) Long term continuous load in the soil to allow the flow of reference							
	单芯 Single core		两芯 Two core		三~五芯 Three to five core			
								
	铜	铝	铜	铝	铜	铝	铜	铝
4	—	—	—	—	52	36	40	32
6	—	—	—	—	63	48	50	43
10	57	43	59	46	82	64	70	54
16	74	57	77	60	108	83	92	71
25	91	70	95	74	137	108	115	92
35	112	84	116	88	172	132	140	110
50	130	102	137	105	201	157	175	130
70	161	126	168	130	250	191	205	160
95	193	151	203	158	299	230	250	195
120	221	172	228	179	343	265	290	225
150	245	193	259	200	382	299	325	250
185	277	217	294	228	431	338	365	285
240	322	252	340	266	480	380	420	330
300	361	284	385	301	546	428	475	370
400	410	326	441	343	—	—	540	430
500	459	371	501	396	—	—	—	—
630	518	424	574	459	—	—	—	—
工作温度 working temperature	70°C							
环境温度 ambient temperature	25°C							
土壤热阻系数 Coefficient of soil thermal resistance	1.0K·m/W							