

续表 6-1 单芯非铠装电缆
Continued Table 6-1 Single-core and unarmored cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)	电缆近似外径 Approximate overall diameter of cable (mm)	电缆近似重量 Approximate weight of cable (kg/km)	
				铜芯 Cu, YJV	铝芯 AL, YJLV
1×95	1.1	1.5	18.4	1011	438
1×120	1.2	1.5	20.4	1267	541
1×150	1.4	1.6	22.3	1534	657
1×185	1.6	1.6	24.8	1920	806
1×240	1.7	1.7	27.7	2484	1015
1×300	1.8	1.8	30.6	3090	1240
1×400	2.0	1.9	34.1	3949	1599
1×500	2.2	2.0	38.1	4967	1969
1×630	2.4	2.2	42.3	6296	2437
1×800	2.6	2.4	47.2	8015	3040
1×1000	2.8	2.6	50.9	9866	3668

表 6-2 单芯铠装电缆
Table 6-2 Single-core and armoured cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)	电缆近似外径 Approximate overall diameter of cable (mm)	电缆近似重量 Approximate weight of cable (kg/km)	
				铜芯 Cu, YJV62	铝芯 AL, YJLV62
1×10	0.7	1.8	12.5	300	240
1×16	0.7	1.8	13.5	376	282
1×25	0.9	1.8	15.2	497	344
1×35	0.9	1.8	16.4	614	399
1×50	1.0	1.8	17.8	766	481
1×70	1.1	1.8	19.8	1003	588
1×95	1.1	1.8	21.2	1301	725
1×120	1.2	1.8	23.0	1575	846
1×150	1.4	1.8	24.9	1883	1002
1×185	1.6	1.8	27.2	2214	1186
1×240	1.7	1.8	30.0	2791	1439
1×300	1.8	1.9	32.8	3422	1705
1×400	2.0	2.0	36.7	4351	2559
1×500	2.2	2.2	42.1	5947	3050
1×630	2.4	2.3	46.3	7379	3568
1×800	2.6	2.6	52.7	9305	4296
1×1000	2.8	2.8	55.3	11221	5030

2、二芯电缆 Two-core cables

表 6-3 二芯电缆
Table 6-3 Two-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
2×2.5	0.7	1.8	1.8	10.5	12.3	123	238	—	—
2×4	0.7	1.8	1.8	11.4	14.0	169	303	—	—
2×6	0.7	1.8	1.8	12.4	15.0	218	364	149	296
2×10	0.7	1.8	1.8	15.0	17.6	328	497	209	378
2×16	0.7	1.8	1.8	17.1	19.6	461	655	274	468
2×25	0.9	1.8	1.8	20.5	23.1	693	928	388	623
2×35	0.9	1.8	1.8	22.8	25.4	911	1175	485	747
2×50	1.0	1.8	1.8	25.7	28.9	1200	1538	632	970
2×70	1.1	1.8	1.9	29.9	33.1	1666	2065	844	1240
2×95	1.1	1.9	2.0	33.9	37.0	2227	2616	1087	1535
2×120	1.2	2.0	2.2	37.6	42.0	2796	3649	1351	2291
2×150	1.4	2.2	2.3	41.5	46.1	3409	4362	1664	2723
2×185	1.6	2.3	2.5	46.6	51.8	4279	5427	2059	3333
2×240	1.7	2.5	2.6	52.1	57.4	5512	6779	2590	3919
2×300	1.8	2.6	2.8	57.8	63.1	6758	8252	3175	4639
2×400	2.0	2.9	3.0	64.8	71.5	8624	11101	4070	6511
2×500	2.2	3.1	3.3	72.6	79.4	10981	13786	4934	7745
2×630	2.4	3.3	3.5	80.8	87.6	13881	16998	6099	9223

注：铁磁性铠装单芯及二芯电缆若用于交流系统，需有有效降低磁效应的措施，否则只用于直流系统。
Note: single-core and dual-core ferromagnetic armored cable applied in Ac system should reduce the magnetic effects; otherwise it can only be used for DC system.

3、三芯电缆 Three-core cables

表 6-4 三芯电缆
Table 6-4 three-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
3×4	0.7	1.8	1.8	12.0	14.5	223	365	—	—
3×6	0.7	1.8	1.8	13.1	15.6	297	452	—	—
3×10	0.7	1.8	1.8	15.9	18.4	446	637	266	457
3×16	0.7	1.8	1.8	18.1	20.6	638	858	355	575
3×25	0.9	1.8	1.8	21.8	24.3	959	1211	500	750
3×35	0.9	1.8	1.8	24.3	26.8	1275	1559	633	913

续表 6-4 三芯电缆
Continued table 6-4 three-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
3×50	1.0	1.8	1.9	23.5	26.6	1570	1884	744	1097
3×70	1.1	1.9	2.0	26.8	30.0	2184	2547	1003	1419
3×95	1.1	2.0	2.2	32.1	36.4	2966	3691	1286	2186
3×120	1.2	2.1	2.3	34.1	38.4	3654	4405	1592	2578
3×150	1.4	2.3	2.4	38.9	44.4	4584	5554	1954	3105
3×185	1.6	2.4	2.6	42.3	47.5	5673	6684	2426	3671
3×240	1.7	2.6	2.8	47.7	52.9	7277	8510	3048	4447
3×300	1.8	2.7	2.9	52.2	57.3	9080	10399	3786	5289
3×400	2.0	3.0	3.2	68.5	75.0	11958	14531	4875	7400
3×500	2.2	3.2	3.4	76.1	82.4	14927	17754	5856	8604
3×630	2.4	3.5	3.7	84.9	91.4	18863	22052	7156	10352

4、四芯电缆 Four-core cables

表 6-5 四芯电缆
Table 6-5 Four-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
4×4	0.7	1.8	1.8	12.5	18.1	282	430	—	—
4×6	0.7	1.8	1.8	14.7	17.0	383	545	—	—
4×10	0.7	1.8	1.8	16.9	19.1	565	752	390	517
4×16	0.7	1.8	1.8	19.3	21.6	783	1020	416	663
4×25	0.9	1.8	1.8	23.5	25.7	1241	1502	593	902
4×35	0.9	1.8	1.8	26.7	28.7	1631	1957	776	1096
4×50	1.0	1.8	1.9	28.0	32.6	2080	2812	961	1770
4×70	1.1	2.0	2.1	33.2	37.5	2952	3796	1302	2222
4×95	1.1	2.1	2.3	38.0	42.6	3970	4962	1693	2757
4×120	1.2	2.3	2.4	40.9	46.4	4894	5913	2077	3363
4×150	1.4	2.4	2.6	46.0	51.3	5980	7170	2582	3878
4×185	1.6	2.6	2.7	52.5	57.8	7442	8802	3173	4618
4×240	1.7	2.8	3.0	59.4	64.6	9764	11289	4032	5782
4×300	1.8	3.0	3.1	66.2	71.6	12122	13856	4924	6735
4×400	2.0	3.3	3.4	73.8	80.3	15624	18407	6272	9313
4×500	2.2	3.5	3.7	89.3	96.0	19877	23264	7667	11062
4×630	2.4	3.8	4.0	99.6	106.3	25124	28895	9514	13293

表 6-6 3+1 芯电缆
Table 6-6 3+1-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
						铜芯 Cu		铝芯 AL	
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	YJV	YJV22	YJLV	YJLV22
3×4+1×2.5	0.7/0.7	1.8	1.8	12.7	15.2	258	399	—	—
3×6+1×4	0.7/0.7	1.8	1.8	13.8	16.4	346	502	—	—
3×10+1×6	0.7/0.7	1.8	1.8	16.5	19.1	521	709	305	493
3×16+1×10	0.7/0.7	1.8	1.8	19.2	21.7	761	981	417	637
3×25+1×16	0.9/0.7	1.8	1.8	22.9	25.4	1150	1417	596	860
3×35+1×16	0.9/0.7	1.8	1.8	25.0	27.5	1435	1729	699	988
3×50+1×25	1.0/0.9	1.8	1.9	26.4	29.5	1868	2223	839	1185
3×70+1×35	1.1/0.9	1.9	2.0	30.7	35.1	2592	3376	1125	1896
3×95+1×50	1.1/1.0	2.1	2.2	35.2	39.5	3513	4302	1475	2354
3×120+1×70	1.2/1.1	2.2	2.3	38.5	42.9	4456	5303	1832	2788
3×150+1×95	1.4/1.1	2.3	2.5	42.4	47.6	5304	6328	2196	3350
3×185+1×95	1.6/1.1	2.5	2.6	48.2	53.6	6613	7879	2729	4057
3×240+1×120	1.7/1.2	2.6	2.8	54.3	59.6	8570	9972	3471	4825
3×300+1×150	1.8/1.4	2.8	3.0	60.5	65.7	10569	12119	4270	5762
3×400+1×185	2.0/1.6	3.1	3.2	69.7	74.9	13648	15395	5282	6996
3×500+1×240	2.2/1.7	3.3	3.5	80.7	86.0	17267	19341	6745	8829
3×630+1×300	2.4/1.8	3.6	3.8	90.5	95.8	21754	24057	8248	10560

5. 五芯结构电缆 Five-core cables

表 6-7 五芯电缆
Table 6-7 Five-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
						铜芯 Cu		铝芯 AL	
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	YJV	YJV22	YJLV	YJLV22
5×4	0.7	1.8	1.8	14.0	16.6	337	494	—	—
5×6	0.7	1.8	1.8	15.3	17.9	453	626	—	—
5×10	0.7	1.8	1.8	18.9	21.4	692	908	391	607
5×16	0.7	1.8	1.8	21.6	24.2	997	1249	525	775
5×25	0.9	1.8	1.8	26.3	29.2	1522	1856	756	1087
5×35	0.9	1.8	1.9	29.5	32.7	2032	2430	949	1353
5×50	1.0	1.9	2.1	31.7	36.2	2644	3366	1288	1998
5×70	1.1	2.1	2.3	37.2	41.7	3668	4692	1716	2694
5×95	1.1	2.2	2.4	42.7	48.1	4927	6069	2198	3343
5×120	1.2	2.4	2.6	47.1	52.5	6161	7399	2705	3945
5×150	1.4	2.6	2.7	51.9	57.1	7571	8914	3333	4679
5×185	1.6	2.7	2.9	58.9	64.2	9394	10906	4221	5636
5×240	1.7	3.0	3.2	66.6	71.8	12333	13944	5182	6897
5×300	1.8	3.2	3.4	72.9	79.4	15043	17782	6225	8970

表 6-8 4+1 芯电缆
Table 6-8 4+1-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
4×4 + 1×2.5	0.7/0.7	1.8	1.8	13.7	16.3	323	477	—	—
4×6 + 1×4	0.7/0.7	1.8	1.8	15.1	17.6	427	598	—	—
4×10 + 1×6	0.7/0.7	1.8	1.8	18.2	20.7	652	860	404	612
4×16 + 1×10	0.7/0.7	1.8	1.8	21.1	23.6	934	1178	514	748
4×25 + 1×16	0.9/0.7	1.8	1.8	25.3	27.9	1410	1708	756	1051
4×35 + 1×16	0.9/0.7	1.8	1.9	27.8	30.5	1805	2146	915	1250
4×50 + 1×25	1.0/0.9	1.9	2.0	30.1	34.6	2358	3069	1128	1904
4×70 + 1×35	1.1/0.9	2.0	2.2	35.2	39.5	3317	4112	1526	2407
4×95 + 1×50	1.1/1.0	2.2	2.3	40.2	44.8	4467	5386	1976	2933
4×120 + 1×70	1.2/1.1	2.3	2.5	44.7	50.2	5658	6765	2453	3610
4×150 + 1×70	1.4/1.1	2.5	2.6	48.6	53.8	6728	7984	2973	4188
4×185 + 1×95	1.6/1.1	2.6	2.8	55.3	60.6	8407	9836	3696	5074
4×240 + 1×120	1.7/1.2	2.9	3.0	62.5	67.7	10988	12592	4707	6244
4×300 + 1×150	1.8/1.4	3.1	3.2	69.5	74.9	13656	15477	5789	7528
4×400 + 1×185	2.0/1.6	3.4	3.6	77.2	83.8	17389	20309	7297	10222
4×500 + 1×240	2.2/1.7	3.6	3.9	91.7	98.2	22542	25965	9214	12644
4×630 + 1×300	2.4/1.8	3.9	4.2	102.5	107.5	28083	31885	11276	15091

表 6-9 3+2 芯电缆
Table 6-9 3+2-core cables

芯数 × 截面 NO. of cores × section (mm ²)	绝缘标称厚度 Normal insulation thickness (mm)	外护套标称厚度 Normal thickness of oversheath (mm)		电缆近似外径 Approximate overall diameter of cable (mm)		电缆近似重量 Approximate weight of cable (kg/km)			
		非铠装 Unarmoured	铠装 Armoured	非铠装 Unarmoured	铠装 Armoured	铜芯 Cu		铝芯 AL	
						YJV	YJV22	YJLV	YJLV22
3×4 + 2×2.5	0.7/0.7	1.8	1.8	13.5	16.1	307	458	—	—
3×6 + 2×4	0.7/0.7	1.8	1.8	14.8	17.4	407	574	—	—
3×10 + 2×6	0.7/0.7	1.8	1.8	17.4	20.0	599	799	349	548
3×16 + 2×10	0.7/0.7	1.8	1.8	20.5	23.1	880	1117	476	712
3×25 + 2×16	0.9/0.7	1.8	1.8	24.4	27.1	1306	1602	658	950
3×35 + 2×16	0.9/0.7	1.8	1.8	26.3	29.2	1601	1936	770	1101
3×50 + 2×25	1.0/0.9	1.8	1.9	29.1	33.7	2158	2919	990	1742
3×70 + 2×35	1.1/0.9	2.0	2.1	33.7	38.2	2989	3866	1308	2171
3×95 + 2×50	1.1/1.0	2.1	2.3	38.7	43.2	4040	5049	1730	2722
3×120 + 2×70	1.2/1.1	2.3	2.4	43.4	48.9	5192	6273	2169	3382
3×150 + 2×70	1.4/1.1	2.4	2.5	46.2	51.7	6057	7190	2523	3805
3×185 + 2×95	1.6/1.1	2.5	2.7	52.5	58.1	7513	8919	3118	4597
3×240 + 2×120	1.7/1.2	2.7	2.9	59.1	64.6	9763	11324	3969	5478
3×300 + 2×150	1.8/1.4	2.9	3.1	65.8	71.2	12097	13812	4889	6540
3×400 + 2×185	2.0/1.6	3.2	3.4	73.2	78.6	15418	17329	6223	6049
3×500 + 2×240	2.2/1.7	3.5	3.7	85.6	90.7	19810	22044	7623	9872
3×630 + 2×300	2.4/1.8	3.7	4.0	94.9	100.0	24668	27148	9314	11807