



中高压交联电缆

MV/HV CROSSLINKED CABLE

p02

交联聚乙烯绝缘电力电缆(GB/T12706-2008)
XLPE Insulated Electric Cable(GB/T12706-2008)

交联聚乙烯绝缘电力电缆(GB/T12706-2008) XLPE Insulated Electric Cable(GB/T12706-2008)

1 用途 Application

电缆用于额定电压0.6/1, 1.8/3, 3.6/6, 6/10, 8.7/10, 8.7/15, 12/20, 21/35, 26/35kV输配电系统。
The cable is used in electric transmission and distribution system operating at rated voltage of 0.6/1, 1.8/3, 3.6/6, 6/10, 8.7/10, 8.7/15, 12/20, 21/35, 26/35kV.



2 型号及名称 (见表1) Model and name (see table 1)

表1 Table 1

型号 Model	名称 Name
YJV	铜芯或铝芯交联聚乙烯绝缘, 聚氯乙烯护套电力电缆
YJLV	Cu or Al conductor, XLPE insulated. PVC sheathed electric cable
YJV ₂₂	铜芯或铝芯交联聚乙烯绝缘, 钢带铠装聚氯乙烯护套电力电缆
YJLV ₂₂	Cu or Al conductor, XLPE insulated steel tape armoured PVC sheathed electric cable
YJV _{32, 42}	铜芯或铝芯交联聚乙烯绝缘, 钢丝铠装聚氯乙烯护套电力电缆
YJLV _{32, 42}	Cu or Al conductor, XLPE insulated steel tape armoured PVC sheathed electric cable

3 结构尺寸、技术参数 (见表2-37) Structure size, technology data (see table 2-37)

YJV、YJLV-0.6/1kV交联电力电缆

[1 core]												表2 Table 2	
导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电荷载流量 Current rating				
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)		
1×1.5	0.7	1.5	6	53	-	≤12.1	-	3.5	26	-	33	-	
1×2.5	0.7	1.5	6	68	53	≤7.41	≤12.1	3.5	34	26	43	32	
1×4	0.7	1.5	7	87	64	≤4.61	≤7.41	3.5	44	35	56	42	
1×6	0.7	1.5	7	110	73	≤3.08	≤4.61	3.5	56	45	70	54	
1×10	0.7	1.5	8	155	95	≤1.83	≤3.08	3.5	77	59	94	69	
1×16	0.7	1.5	9	220	120	≤1.15	≤1.91	3.5	100	78	120	90	
1×25	0.9	1.5	10	345	190	≤0.727	≤1.20	3.5	130	100	155	115	
1×35	0.9	1.5	12	424	207	≤0.524	≤0.868	3.5	160	125	185	135	
1×50	1.0	1.5	13	555	245	≤0.387	≤0.641	3.5	195	150	220	165	
1×70	1.1	1.5	14	770	336	≤0.268	≤0.443	3.5	245	190	270	200	
1×95	1.1	1.5	16	1040	455	≤0.193	≤0.320	3.5	300	230	320	240	
1×120	1.2	1.5	18	1290	550	≤0.153	≤0.253	3.5	350	370	365	275	
1×150	1.4	2.0	21	1590	650	≤0.124	≤0.206	3.5	400	310	410	310	
1×185	1.6	2.0	23	1944	804	≤0.0991	≤0.164	3.5	465	360	465	355	
1×240	1.7	2.0	25	2510	1021	≤0.0754	≤0.125	3.5	550	430	540	410	
1×300	1.8	2.0	34	3042	1160	≤0.0601	≤0.100	3.5	635	495	610	465	
1×400	2.0	2.1	37	3869	1469	≤0.0470	≤0.0778	3.5	745	590	695	535	
1×500	2.2	2.2	41	4910	1829	≤0.0366	≤0.0605	3.5	860	685	780	610	
1×630	2.4	2.3	45	6220	2305	≤0.0283	≤0.0469	3.5	990	800	880	695	
1×800	2.6	2.4	46	7870	2910	≤0.0221	≤0.0367	3.5	1120	930	970	785	
1×1000	2.8	2.6	51	9804	3604	≤0.0176	≤0.0291	3.5	1260	1050	1060	875	



(2 cores) 表3 Table 3

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
2×2.5	0.7	1.8	11.8	151	118	≤7.41	≤12.1	3.5	26	20	35	27
2×4	0.7	1.8	12.7	198	146	≤4.61	≤7.41	3.5	34	27	45	36
2×6	0.7	1.8	13.7	250	173	≤3.08	≤4.61	3.5	43	35	57	46
2×10	0.7	1.8	16.3	374	245	≤1.83	≤3.08	3.5	60	47	77	59
2×16	0.7	1.8	18.4	518	312	≤1.15	≤1.91	3.5	83	64	105	80
2×25	0.9	1.8	18.2	772	450	≤0.727	≤1.20	3.5	105	82	125	100
2×35	0.9	1.8	20.2	1006	556	≤0.524	≤0.868	3.5	125	100	155	120
2×50	1.0	1.8	22.2	1365	722	≤0.387	≤0.641	3.5	160	128	185	145
2×70	1.1	1.8	24.8	1872	972	≤0.268	≤0.443	3.5	200	155	225	175
2×95	1.1	1.8	27.4	2475	1253	≤0.193	≤0.320	3.5	245	200	270	210
2×120	1.2	1.9	30.0	3089	1545	≤0.153	≤0.253	3.5	285	220	310	240
2×150	1.4	2.0	33.2	3834	1905	≤0.124	≤0.206	3.5	325	250	345	270

(3 cores) 表4 Table 4

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
3×1.5	0.7	1.5	10	145	-	≤12.1	-	3.5	20	-	27	-
3×2.5	0.7	1.5	11	185	140	≤7.41	≤12.1	3.5	26	20	35	27
3×4	0.7	1.5	12	250	175	≤4.61	≤7.41	3.5	34	27	45	36
3×6	0.7	1.5	13	320	210	≤3.08	≤4.61	3.5	43	35	57	46
3×10	0.7	1.5	15	450	260	≤1.83	≤3.08	3.5	60	47	77	59
3×16	0.7	1.5	17	640	340	≤1.15	≤1.91	3.5	83	64	105	80
3×25	0.9	2.0	21	940	470	≤0.727	≤1.20	3.5	105	82	125	100
3×35	0.9	2.0	23	1260	600	≤0.524	≤0.868	3.5	125	100	155	120
3×50	1.0	2.0	27	1670	730	≤0.387	≤0.641	3.5	160	125	185	145
3×70	1.1	2.0	30	2280	970	≤0.268	≤0.443	3.5	200	155	225	175
3×95	1.1	2.0	34	3020	1240	≤0.193	≤0.320	3.5	245	200	270	210
3×120	1.2	2.5	38	3790	1540	≤0.153	≤0.253	3.5	285	220	310	240
3×150	1.4	2.5	42	4750	1940	≤0.124	≤0.206	3.5	325	250	345	270
3×185	1.6	2.5	45	5654	2248	≤0.0991	≤0.164	3.5	375	295	390	305
3×240	1.7	3.0	51	7243	2723	≤0.0754	≤0.125	3.5	440	345	450	355
3×300	1.8	3.0	52	9465	3675	≤0.0601	≤0.100	3.5	505	395	515	400
3×400	2.0	3.0	54	12066	4506	≤0.0470	≤0.0778	3.5	570	445	575	445

(4 cores) 表5 Table 5

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
4×4	0.7	1.5	13	253	155	≤4.61	≤7.41	3.5	34	27	45	36
4×6	0.7	1.5	14	337	184	≤3.08	≤4.61	3.5	43	35	57	46
4×10	0.7	1.5	16	501	258	≤1.83	≤3.08	3.5	60	47	77	59
4×16	0.7	2.0	19	778	366	≤1.15	≤1.91	3.5	83	64	105	80
4×25	0.9	2.0	22	1160	540	≤0.727	≤1.20	3.5	105	82	125	100
4×35	0.9	2.0	25	1554	686	≤0.524	≤0.868	3.5	125	100	155	120
4×50	1.0	2.0	28	2148	907	≤0.387	≤0.641	3.5	160	125	185	145
4×70	1.1	2.0	32	2928	1192	≤0.268	≤0.443	3.5	200	155	225	175
4×95	1.1	2.5	37	3954	1598	≤0.193	≤0.320	3.5	245	200	270	210
4×120	1.2	2.5	42	4925	1949	≤0.153	≤0.253	3.5	285	220	310	240
4×150	1.4	3.0	46	6238	2517	≤0.124	≤0.206	3.5	325	250	345	270
4×185	1.6	3.0	51	7562	3091	≤0.0991	≤0.164	3.5	375	295	390	305
4×240	1.7	3.0	57	9836	3825	≤0.0754	≤0.125	3.5	440	345	450	355
4×300	1.8	3.0	59	12550	4830	≤0.0601	≤0.100	3.5	505	395	515	400
4×400	2.0	3.0	62	15929	5840	≤0.0470	≤0.0778	3.5	570	445	575	445

(3+1 cores) 表6 Table 6

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
3×4+1×2.5	0.7	1.5	13	236	147	≤4.61	≤7.41	3.5	34	27	45	36
3×6+1×4	0.7	1.5	14	316	187	≤3.08	≤4.61	3.5	43	35	57	46
3×10+1×6	0.7	1.5	16	461	234	≤1.83	≤3.08	3.5	60	47	77	59
3×16+1×10	0.7	1.5	18	679	322	≤1.15	≤1.91	3.5	83	64	105	80
3×25+1×16	0.9	2.0	22	1065	505	≤0.727	≤1.20	3.5	105	82	125	100
3×35+1×16	0.9	2.0	24	1360	615	≤0.524	≤0.868	3.5	125	100	155	120
3×50+1×25	1.0	2.0	28	1901	816	≤0.387	≤0.641	3.5	160	125	185	145
3×70+1×35	1.1	2.0	31	2585	1085	≤0.268	≤0.443	3.5	200	155	225	175
3×95+1×50	1.1	2.0	36	3518	1440	≤0.193	≤0.320	3.5	245	200	270	210
3×120+1×70	1.2	2.5	40	4443	1766	≤0.153	≤0.253	3.5	285	220	310	240
3×150+1×70	1.4	2.5	44	5328	2100	≤0.124	≤0.206	3.5	325	250	345	270
3×185+1×95	1.6	3.0	48	6682	2650	≤0.0991	≤0.164	3.5	375	295	390	305
3×240+1×120	1.7	3.0	53	8501	3291	≤0.0754	≤0.125	3.5	440	345	450	355
3×300+1×150	1.8	3.1	57	11155	4440	≤0.0601	≤0.100	3.5	505	395	515	400
3×400+1×240	2.0	3.1	60	14470	5392	≤0.0470	≤0.0778	3.5	570	445	575	445



[3+2 cores] 表7 Table 7

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
3×4+2×2.5	0.7	1.5	13.9	309	202	≤4.61	≤7.41	3.5	34	27	45	36
3×6+2×4	0.7	1.5	15.3	413	219	≤3.08	≤4.61	3.5	43	35	57	46
3×10+2×6	0.7	1.5	18.2	603	338	≤1.83	≤3.08	3.5	60	47	77	59
3×16+2×10	0.7	1.5	21.0	888	460	≤1.15	≤1.91	3.5	83	64	105	80
3×25+2×16	0.9	2.0	25.1	1342	668	≤0.727	≤1.20	3.5	105	82	125	100
3×35+2×16	0.9	2.0	27.1	1647	784	≤0.524	≤0.868	3.5	125	100	155	120
3×50+2×25	1.0	2.0	31.6	2386	1126	≤0.387	≤0.641	3.5	160	125	185	145
3×70+2×35	1.1	2.0	35.7	3201	1437	≤0.268	≤0.443	3.5	200	155	225	175
3×95+2×50	1.1	2.0	40.4	4269	1845	≤0.193	≤0.320	3.5	245	200	270	210
3×120+2×70	1.2	2.5	45.4	5437	2287	≤0.153	≤0.253	3.5	285	220	310	240
3×150+2×70	1.4	2.5	49.0	6519	2802	≤0.124	≤0.206	3.5	325	250	345	270
3×185+2×95	1.6	3.0	55.0	8101	3420	≤0.0991	≤0.164	3.5	375	295	390	305
3×240+2×120	1.7	3.0	61.8	10340	4292	≤0.0754	≤0.125	3.5	440	345	450	355
3×300+2×150	1.8	3.1	68.6	12810	5250	≤0.0601	≤0.100	3.5	505	395	515	400

[4+1 cores] 表8 Table 8

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
4×4+1×2.5	0.7	1.5	14.5	331	214	≤4.61	≤7.41	3.5	34	27	45	36
4×6+1×4	0.7	1.5	15.9	435	259	≤3.08	≤4.61	3.5	43	35	57	46
4×10+1×6	0.7	1.5	18.9	649	359	≤1.83	≤3.08	3.5	60	47	77	59
4×16+1×10	0.7	1.5	21.9	965	499	≤1.15	≤1.91	3.5	83	64	105	80
4×25+1×16	0.9	2.0	26.2	1456	725	≤0.727	≤1.20	3.5	105	82	125	100
4×35+1×16	0.9	2.0	28.8	1883	882	≤0.524	≤0.868	3.5	125	100	155	120
4×50+1×25	1.0	2.0	33.4	2633	1216	≤0.387	≤0.641	3.5	160	125	185	145
4×70+1×35	1.1	2.0	38.8	3565	1581	≤0.268	≤0.443	3.5	200	155	225	175
4×95+1×50	1.1	2.0	44.1	4735	2028	≤0.193	≤0.320	3.5	245	200	270	210
4×120+1×70	1.2	2.5	49.5	5977	2512	≤0.153	≤0.253	3.5	285	220	310	240
4×150+1×70	1.4	2.5	54.1	7276	3055	≤0.124	≤0.206	3.5	325	250	345	270
4×185+1×95	1.6	3.0	60.5	9055	3797	≤0.0991	≤0.164	3.5	375	295	390	305
4×240+1×120	1.7	3.0	68.2	11567	4763	≤0.0754	≤0.125	3.5	440	345	450	355
4×300+1×150	1.8	3.1	75.1	14321	5816	≤0.0601	≤0.100	3.5	505	395	515	400

[5 cores] 表9 Table 9

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
5×4	0.7	1.5	14.5	349	223	≤4.61	≤7.41	3.5	34	27	45	36
5×6	0.7	1.5	15.8	460	271	≤3.08	≤4.61	3.5	43	35	57	46
5×10	0.7	1.5	19.3	699	384	≤1.83	≤3.08	3.5	60	47	77	59
5×16	0.7	2.0	22.2	1013	509	≤1.15	≤1.91	3.5	83	64	105	80
5×25	0.9	2.0	26.9	1566	779	≤0.727	≤1.20	3.5	105	82	125	100
5×35	0.9	2.0	29.9	2083	981	≤0.524	≤0.868	3.5	125	100	155	120
5×50	1.0	2.0	34.2	2921	1346	≤0.387	≤0.641	3.5	160	125	185	145
5×70	1.1	2.0	38.8	3974	1769	≤0.268	≤0.443	3.5	200	155	225	175
5×95	1.1	2.5	44.0	5297	1807	≤0.193	≤0.320	3.5	245	200	270	210
5×120	1.2	2.5	49.4	6638	2858	≤0.153	≤0.253	3.5	285	220	310	240
5×150	1.4	3.0	54.9	8290	3565	≤0.124	≤0.206	3.5	325	250	345	270
5×185	1.6	3.0	61.3	10215	4390	≤0.0991	≤0.164	3.5	375	295	390	305
5×240	1.7	3.0	68.8	13130	5570	≤0.0754	≤0.125	3.5	440	345	450	355
5×300	1.8	3.0	76.0	16670	7220	≤0.0601	≤0.100	3.5	505	395	515	400

YJV、YJLV-3.6/6kV交联电力电缆

表10 Table 10

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
1×25	2.5	1.8	20.50	619	464	≤0.7270	≤1.2000	12.5	140	110	150	115
1×35	2.5	1.8	21.50	737	520	≤0.5240	≤0.8680	12.5	170	135	180	135
1×50	2.5	1.8	22.60	901	591	≤0.3870	≤0.6410	12.5	205	160	215	160
1×70	2.5	1.8	24.30	1128	694	≤0.2680	≤0.4430	12.5	260	200	265	200
1×95	2.5	1.8	25.70	1391	802	≤0.1930	≤0.3200	12.5	315	245	315	240
1×120	2.5	1.8	27.20	1655	911	≤0.1530	≤0.2530	12.5	360	280	360	270
1×150	2.5	1.8	28.60	1961	1031	≤0.1240	≤0.2060	12.5	410	320	405	305
1×185	2.5	1.9	30.50	2334	1187	≤0.0991	≤0.1640	12.5	470	365	455	345
1×240	2.6	1.9	33.10	2904	1416	≤0.0754	≤0.1250	12.5	555	435	530	400
1×300	2.8	2.0	36.00	3547	1687	≤0.0601	≤0.1000	12.5	640	500	595	455
1×400	3.0	2.2	39.30	4572	2092	≤0.0470	≤0.0778	12.5	745	585	680	520
1×500	3.2	2.3	43.70	5630	2530	≤0.0366	≤0.0605	12.5	885	680	765	595



YJV、YJLV-3.6/6kV交联电力电缆

表10 Table 10

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×630	3.2	2.4	47.40	6922	3016	≤0.0283	≤0.0469	12.5	980	790	860	680
1×800	3.2	2.5	50	8252	3212	≤0.0221	≤0.0367	12.5	1100	910	950	765
1×1000	3.2	2.6	54.8	10548	4248	≤0.0176	≤0.0291	12.5	1230	1030	1040	850
3×25	2.5	2.1	39.25	1858	1391	≤0.7270	≤1.2000	12.5	120	90	125	100
3×35	2.5	2.2	41.61	2244	1589	≤0.5240	≤0.8680	12.5	140	110	155	120
3×50	2.5	2.3	44.19	2767	1832	≤0.3870	≤0.6410	12.5	165	130	180	140
3×70	2.5	2.4	48.06	3494	2186	≤0.2680	≤0.4430	12.5	210	165	220	170
3×95	2.5	2.5	51.29	4334	2558	≤0.1930	≤0.3200	12.5	255	200	265	210
3×120	2.5	2.6	54.73	5181	2938	≤0.1530	≤0.2530	12.5	290	225	300	235
3×150	2.5	2.7	57.84	6154	3350	≤0.1240	≤0.2060	12.5	330	255	340	260
3×185	2.5	2.9	62.02	7334	3876	≤0.0991	≤0.1640	12.5	375	295	380	300
3×240	2.6	3.0	67.84	9146	4660	≤0.0754	≤0.1250	12.5	435	345	435	345
3×300	2.8	3.2	74.07	11176	5568	≤0.0601	≤0.1000	12.5	495	390	485	390
3×400	3.0	3.5	80.93	14359	6882	≤0.0470	≤0.0778	12.5	565	450	520	440

YJV、YJLV-6/6kV 6/10kV交联电力电缆

表11 Table 11

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×630	3.4	2.5	48	6952	3046	≤0.0283	≤0.0469	21	980	790	860	680
1×800	3.4	2.6	52	7120	3575	≤0.0221	≤0.0367	21	1100	910	950	765
1×1000	3.4	2.8	57	10500	4300	≤0.0176	≤0.0291	21	1230	1030	1040	850
3×25	3.4	2.5	42	895	1430	≤0.727	≤1.20	21	120	90	125	100
3×35	3.4	2.5	44	2293	1640	≤0.524	≤0.868	21	140	110	155	120
3×50	3.4	2.5	46	2812	1881	≤0.387	≤0.641	21	165	130	180	140
3×70	3.4	3.0	50	3508	2205	≤0.268	≤0.443	21	210	165	220	170
3×95	3.4	3.0	54	4402	2653	≤0.193	≤0.320	21	255	200	265	210
3×120	3.4	3.0	58	5319	3087	≤0.153	≤0.253	21	295	225	300	235
3×150	3.4	3.0	62	6309	3518	≤0.124	≤0.206	21	330	255	340	260
3×185	3.4	3.0	65	7319	3877	≤0.0991	≤0.164	21	375	295	380	300
3×240	3.4	3.5	71	9218	4753	≤0.0754	≤0.125	21	435	345	435	345
3×300	3.4	3.5	75	11159	5577	≤0.0601	≤0.1005	21	495	390	485	390
3×400	3.4	3.7	84	15107	7547	≤0.0470	≤0.0778	21	565	450	520	440

YJV、YJLV-6/6kV 6/10kV交联电力电缆

表11 Table 11

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×25	3.4	2.0	20	598	443	≤0.727	≤1.20	21	140	40	150	115
1×35	3.4	2.0	22	719	502	≤0.524	≤0.868	21	170	135	180	135
1×50	3.4	2.0	23	884	575	≤0.387	≤0.641	21	205	160	215	160
1×70	3.4	2.0	24	1097	664	≤0.268	≤0.443	21	260	200	265	200
1×95	3.4	2.0	26	1378	790	≤0.193	≤0.320	21	315	245	315	240
1×120	3.4	2.0	28	1658	916	≤0.153	≤0.253	21	360	280	360	270
1×150	3.4	2.0	30	1967	1038	≤0.124	≤0.206	21	410	320	405	305
1×185	3.4	2.0	31	2335	1190	≤0.0991	≤0.164	21	470	365	455	345
1×240	3.4	2.0	34	2908	1423	≤0.0754	≤0.125	21	555	435	530	400
1×300	3.4	2.0	36	3507	1650	≤0.0601	≤0.100	21	640	500	595	455
1×400	3.4	2.5	39	4503	2027	≤0.0470	≤0.0778	21	745	585	680	520
1×500	3.4	2.5	42	5479	2384	≤0.0366	≤0.060	21	855	680	765	595

YJV、YJLV-8.7/10kV 8.7/15kV交联电力电缆

表12 Table 12

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×25	4.5	1.8	23	680	525	≤0.727	≤1.20	30.5	140	110	150	115
1×35	4.5	1.8	24	804	587	≤0.524	≤0.868	30.5	170	135	180	135
1×50	4.5	1.9	25	984	674	≤0.387	≤0.641	30.5	205	160	215	160
1×70	4.5	1.9	27	1201	768	≤0.268	≤0.443	30.5	260	200	265	200
1×95	4.5	2.0	29	1490	902	≤0.193	≤0.320	30.5	315	245	315	240
1×120	4.5	2.0	30	1765	1022	≤0.153	≤0.253	30.5	360	280	360	270
1×150	4.5	2.1	32	2091	1162	≤0.124	≤0.206	30.5	410	320	405	305
1×185	4.5	2.1	34	2452	1307	≤0.0991	≤0.164	30.5	470	365	455	345
1×240	4.5	2.2	36	3034	1548	≤0.0754	≤0.125	30.5	555	435	530	400
1×300	4.5	2.4	39	3672	1815	≤0.0601	≤0.100	30.5	640	500	595	455
1×400	4.5	2.4	42	4646	2170	≤0.0470	≤0.0778	30.5	745	585	680	520
1×500	4.5	2.5	45	5651	2556	≤0.0366	≤0.0605	30.5	885	680	765	595



YJV、YJLV-8.7/10kV 8.7/15kV交联电力电缆

表12 Table 12

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×630	4.5	2.5	50	7154	3248	≤0.0283	≤0.0469	30.5	980	790	860	680
1×800	4.5	2.7	55	8750	3790	≤0.0221	≤0.0367	30.5	1100	910	950	765
1×1000	4.5	2.9	59	10727	4527	≤0.0176	≤0.0291	30.5	1230	1030	1040	850
3×25	4.5	2.8	50	2573	2072	≤0.727	≤1.20	30.5	120	90	125	100
3×35	4.5	2.9	53	2985	2334	≤0.524	≤0.868	30.5	140	110	155	120
3×50	4.5	2.9	55	3529	2598	≤0.387	≤0.641	30.5	165	130	180	140
3×70	4.5	2.9	58	4197	2895	≤0.268	≤0.443	30.5	210	165	220	170
3×95	4.5	3.3	63	5230	3462	≤0.193	≤0.320	30.5	255	200	265	210
3×120	4.5	3.3	66	6120	3888	≤0.153	≤0.253	30.5	290	225	300	235
3×150	4.5	3.6	70	7207	4416	≤0.124	≤0.206	30.5	330	255	340	260
3×185	4.5	3.6	74	8378	4935	≤0.0991	≤0.164	30.5	375	295	380	300
3×240	4.5	3.6	79	10177	5712	≤0.0754	≤0.125	30.5	435	345	435	345
3×300	4.5	3.8	84	12159	6577	≤0.0601	≤0.100	30.5	495	390	485	390
3×400	4.5	3.9	89	15641	8081	≤0.0470	≤0.0778	30.5	565	450	520	440

YJV、YJLV-12/20kV交联电力电缆

表13 Table 13

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×35	5.5	2.0	27	979	762	≤0.524	≤0.868	42	170	135	180	135
1×50	5.5	2.0	29	1155	846	≤0.387	≤0.641	42	205	160	215	160
1×70	5.5	2.0	30	1393	959	≤0.268	≤0.443	42	260	200	265	200
1×95	5.5	2.0	32	1681	1093	≤0.193	≤0.320	42	315	245	315	240
1×120	5.5	2.0	34	1979	1236	≤0.153	≤0.253	42	360	280	360	270
1×150	5.5	2.0	35	2301	1373	≤0.124	≤0.206	42	410	320	405	305
1×185	5.5	2.0	38	2718	1573	≤0.0991	≤0.164	42	470	365	455	345
1×240	5.5	2.5	40	3302	1817	≤0.0754	≤0.125	42	555	435	530	400
1×300	5.5	2.5	43	3941	2084	≤0.0601	≤0.100	42	640	500	595	455
1×400	5.5	2.5	45	4931	2455	≤0.0470	≤0.0778	42	745	585	680	520
1×500	5.5	2.5	48	5956	2861	≤0.0366	≤0.0605	42	885	680	765	595
1×630	5.5	2.6	49	7769	3863	≤0.0283	≤0.0469	42	980	790	860	680

YJV、YJLV-12/20kV交联电力电缆

表14 Table 14

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×800	5.5	2.8	57	8945	3985	≤0.0221	≤0.0367	42	1100	910	950	765
1×1000	5.5	2.9	61	10918	4718	≤0.0176	≤0.0291	42	1230	1030	1040	850
1×1200	5.5	3.1	65	12900	5460	≤0.0151	≤0.0247	42	1320	1120	1100	910
3×35	5.5	3.0	57	3348	2696	≤0.524	≤0.868	42	140	110	155	120
3×50	5.5	3.0	60	3904	2973	≤0.387	≤0.641	42	165	130	180	140
3×70	5.5	3.0	63	4623	3321	≤0.268	≤0.443	42	210	165	220	170
3×95	5.5	3.5	67	5593	3825	≤0.193	≤0.320	42	255	200	265	210
3×120	5.5	3.5	71	6495	4262	≤0.153	≤0.253	42	290	225	300	235
3×150	5.5	3.5	74	7637	4846	≤0.124	≤0.206	42	330	255	340	260
3×185	5.5	3.5	78	8803	5361	≤0.0991	≤0.164	42	375	295	380	300
3×240	5.5	3.5	84	10729	6263	≤0.0754	≤0.125	42	435	345	435	345
3×300	5.5	4.0	89	12723	7141	≤0.0601	≤0.100	42	495	390	485	390
3×400	5.5	4.1	96	16207	8647	≤0.0470	≤0.0778	42	565	450	520	440

YJV、YJLV-18/20kV(18/30kV)交联电力电缆

表14 Table 14

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×50	8.0	2.0	33.3	1560	1250	≤0.387	≤0.641	63	205	160	215	160
1×70	8.0	2.1	34.9	1840	1400	≤0.268	≤0.443	63	260	200	265	200
1×95	8.0	2.1	36.7	2140	1550	≤0.193	≤0.320	63	315	245	315	240
1×120	8.0	2.2	38.2	2450	1700	≤0.153	≤0.253	63	360	280	360	270
1×150	8.0	2.2	39.9	2790	1860	≤0.124	≤0.206	63	410	320	405	305
1×185	8.0	2.3	41.5	3200	2050	≤0.0991	≤0.164	63	470	365	455	345
1×240	8.0	2.3	44.0	3800	2310	≤0.0754	≤0.125	63	555	435	530	400
1×300	8.0	2.4	46.3	4460	2600	≤0.0601	≤0.100	63	640	500	595	455
1×400	8.0	2.5	49.6	5530	3060	≤0.0470	≤0.0778	63	745	585	680	520
1×500	8.0	2.6	52.8	6160	3560	≤0.0366	≤0.0605	63	885	680	765	595
1×630	8.0	2.7	56.4	8020	4120	≤0.0283	≤0.0469	63	980	790	860	680
3×50	8.0	3.1	69.0	5290	4350	≤0.387	≤0.641	63	165	130	180	140
3×70	8.0	3.2	72.5	6240	4930	≤0.268	≤0.443	63	210	165	220	170



YJV、YJLV-18/20kV(18/30kV)交联电力电缆

表14 Table 14

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
3×95	8.0	3.4	77.0	7360	5580	≤0.193	≤0.320	63	255	200	265	210
3×120	8.0	3.5	80.0	8350	6100	≤0.153	≤0.253	63	290	225	300	235
3×150	8.0	3.6	83.5	9520	6410	≤0.124	≤0.206	63	330	255	340	260
3×185	8.0	3.7	87.0	10830	7370	≤0.0991	≤0.164	63	435	295	380	300
3×240	8.0	3.9	92.2	12810	8300	≤0.0754	≤0.125	63	495	345	435	345
3×300	8.0	4.0	97.3	14920	9300	≤0.0601	≤0.100	63	565	390	485	390
3×400	8.0	4.3	104.5	18110	10620	≤0.0470	≤0.0778	63	640	450	520	440

YJV、YJLV-21/35kV交联电力电缆

表15 Table 15

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×50	9.3	2.0	37	1609	1360	≤0.387	≤0.641	73.5	220	170	215	165
1×70	9.3	2.5	38	1850	1471	≤0.268	≤0.443	73.5	270	210	265	200
1×95	9.3	2.5	40	2193	1605	≤0.193	≤0.320	73.5	330	255	315	240
1×120	9.3	2.5	42	2498	1756	≤0.153	≤0.253	73.5	375	290	360	270
1×150	9.3	2.5	44	2830	1910	≤0.124	≤0.206	73.5	425	330	400	305
1×185	9.3	2.5	45	3248	2102	≤0.0991	≤0.164	73.5	485	380	455	345
1×240	9.3	2.5	48	3881	2395	≤0.0754	≤0.125	73.5	560	435	525	400
1×300	9.3	3.0	50	4529	2672	≤0.0601	≤0.100	73.5	650	510	595	455
1×400	9.3	3.0	53	5570	3094	≤0.0470	≤0.0778	73.5	760	595	680	525
1×500	9.3	3.0	55	6690	3595	≤0.0366	≤0.0605	73.5	875	690	775	600
1×630	9.3	3.1	60	8099	4193	≤0.0283	≤0.0469	73.5	1000	800	875	680
1×800	9.3	3.1	65	9752	4792	≤0.0221	≤0.0367	73.5	1130	920	970	770
1×1000	9.3	3.2	70	11781	5581	≤0.0176	≤0.0291	73.5	1250	1040	1060	860
1×1200	9.3	3.3	74	13784	6344	≤0.0151	≤0.0247	73.5	1350	1130	1120	920

YJV、YJLV-21/35kV交联电力电缆

表16 Table 16

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
3×50	9.3	3.3	75.57	4817	4492	≤0.3870	≤0.6410	73.5	185	145	200	170
3×70	9.3	3.4	79.44	5688	5000	≤0.2680	≤0.4430	73.5	230	190	250	190
3×95	9.3	3.6	82.86	6642	5533	≤0.1930	≤0.3200	73.5	280	215	300	230
3×120	9.3	3.7	86.30	7603	6054	≤0.1530	≤0.2530	73.5	310	240	330	255
3×150	9.3	3.8	89.42	8678	6593	≤0.1240	≤0.2060	73.5	360	280	380	295
3×185	9.3	3.9	93.40	9965	7255	≤0.0991	≤0.1640	73.5	400	310	425	330
3×240	9.3	4.0	98.78	11914	8216	≤0.0754	≤0.1250	73.5	470	365	490	380
3×300	9.3	4.2	104.15	14026	9248	≤0.0601	≤0.1000	73.5	540	430	555	435
3×400	9.3	4.4	109.95	17266	10663	≤0.0470	≤0.0778	73.5	610	485	625	500

YJV、YJLV-26/35kV交联电力电缆

表17 Table 17

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
									在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
				Cu	Al	Cu	Al		Cu	Al	Cu	Al
1×50	10.5	2.2	39	1758	1449	≤0.387	≤0.641	91	220	170	215	165
1×70	10.5	2.4	41	2038	1604	≤0.268	≤0.443	91	270	210	265	200
1×95	10.5	2.4	43	2355	1767	≤0.193	≤0.320	91	330	255	315	240
1×120	10.5	2.4	44	2666	1923	≤0.153	≤0.253	91	375	290	360	270
1×150	10.5	2.5	46	3031	2103	≤0.124	≤0.206	91	425	330	400	305
1×185	10.5	2.5	48	3427	2282	≤0.0991	≤0.164	91	485	380	455	345
1×240	10.5	2.6	50	4070	2584	≤0.0754	≤0.125	91	560	435	525	400
1×300	10.5	2.7	53	4748	2891	≤0.0601	≤0.100	91	650	510	595	455
1×400	10.5	2.8	56	5801	3325	≤0.0470	≤0.0778	91	760	595	680	525
1×500	10.5	2.9	59	6823	4076	≤0.0366	≤0.0605	91	875	690	775	600
1×630	10.5	3.0	63	8211	4305	≤0.0283	≤0.0469	91	1000	800	875	685
1×800	10.5	3.1	68	10014	5054	≤0.0221	≤0.0367	91	1130	920	970	770
1×1000	10.5	3.3	72	12078	5878	≤0.0176	≤0.0291	91	1250	1040	1060	860
1×1200	10.5	3.4	76	14100	6657	≤0.0151	≤0.0247	91	1350	1130	1120	920
3×50	10.5	3.4	81	6728	5778	≤0.387	≤0.641	91	185	145	200	170
3×70	10.5	3.5	84	7581	6232	≤0.268	≤0.443	91	230	190	250	190
3×95	10.5	3.6	88	8630	6824	≤0.193	≤0.320	91	280	215	300	230
3×120	10.5	3.8	93	9688	7406	≤0.153	≤0.253	91	310	245	330	255



YJV、YJLV-26/35kV交联电力电缆

表17 Table 17

导线标称截面 Nominal cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 Sheath thickness (mm)	电缆近似外径 Approx. over- all diameter of cable(mm)	电缆近似重量 Approx weight of cable (kg/km)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
3×150	10.5	3.9	96	11017	8165	≤0.124	≤0.206	91	360	280	380	295
3×185	10.5	4.0	100	12390	8904	≤0.0991	≤0.164	91	400	310	425	330
3×240	10.5	4.1	105	14427	9863	≤0.0754	≤0.125	91	470	365	490	380
3×300	10.5	4.4	108	15940	10270	≤0.0601	≤0.100	91	540	430	555	435
3×400	10.5	4.5	116	19346	11786	≤0.0470	≤0.0778	91	610	485	625	500

YJV22、YJLV22-0.6/1kV钢带铠装交联电力电缆

表18 Table 18

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
2×4	0.7	1.2	2×0.3	1.8	15.7	433	381	≤4.61	≤7.41	3.5	34	27	45	36
2×6	0.7	1.2	2×0.3	1.8	16.7	500	422	≤3.08	≤4.61	3.5	43	35	57	46
2×10	0.7	1.4	2×0.3	1.8	19.3	673	544	≤1.83	≤3.08	3.5	60	47	77	59
2×16	0.7	1.4	2×0.3	1.8	21.4	857	651	≤1.15	≤1.91	3.5	83	64	105	80
2×25	0.9	1.6	2×0.3	1.8	21.2	1173	851	≤0.727	≤1.20	3.5	105	82	125	100
2×35	0.9	1.6	2×0.3	1.8	23.2	1449	998	≤0.524	≤0.868	3.5	125	100	155	120
2×50	1.0	1.8	2×0.3	1.8	25.0	1877	1234	≤0.387	≤0.641	3.5	160	125	185	145
2×70	1.1	1.8	2×0.3	1.8	27.8	2454	1554	≤0.268	≤0.443	3.5	200	155	225	175
2×95	1.1	2.0	2×0.3	1.9	30.8	2483	2261	≤0.193	≤0.320	3.5	245	200	270	210
2×120	1.2	2.0	2×0.3	2.0	33.4	4213	2669	≤0.153	≤0.253	3.5	285	220	310	240
2×150	1.4	2.0	2×0.5	2.2	38.2	5087	3158	≤0.124	≤0.206	3.5	325	250	345	270

表19 Table 19

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×1.5	0.7	1.0	2×0.3	1.5	13	273	-	≤12.1	-	3.5	20	-	27	-
3×2.5	0.7	1.0	2×0.3	1.5	14	321	275	≤7.41	≤12.1	3.5	26	20	35	27
3×4	0.7	1.2	2×0.3	1.5	15	390	315	≤4.61	≤7.41	3.5	34	27	45	36
3×6	0.7	1.2	2×0.3	1.5	16	471	360	≤3.08	≤4.61	3.5	43	35	57	46
3×10	0.7	1.4	2×0.3	1.5	18	622	433	≤1.83	≤3.08	3.5	60	47	77	59
3×16	0.7	1.4	2×0.5	2.0	22	1005	705	≤1.15	≤1.91	3.5	83	64	105	80

表19 Table 19

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×25	0.9	1.6	2×0.5	2.0	25	1371	898	≤0.727	≤1.20	3.5	105	82	125	100
3×35	0.9	1.6	2×0.5	2.0	27	1724	1061	≤0.524	≤0.868	3.5	125	100	155	120
3×50	1.0	1.8	2×0.5	2.0	30	2247	1300	≤0.387	≤0.641	3.5	160	125	185	145
3×70	1.1	1.8	2×0.5	2.5	35	3023	1697	≤0.268	≤0.443	3.5	200	155	225	175
3×95	1.1	2.0	2×0.5	2.5	39	3825	2026	≤0.193	≤0.320	3.5	245	200	270	210
3×120	1.2	2.0	2×0.5	2.5	42	4642	2370	≤0.153	≤0.253	3.5	285	220	310	240
3×150	1.4	2.0	2×0.5	3.0	48	5767	2926	≤0.124	≤0.206	3.5	325	250	345	270
3×185	1.6	2.2	2×0.5	3.0	51	6895	3391	≤0.0991	≤0.164	3.5	375	295	390	305
3×240	1.7	2.2	2×0.5	3.0	56	8617	4072	≤0.0754	≤0.125	3.5	440	345	450	355
3×300	1.8	2.2	2×0.5	3.0	59	10928	5139	≤0.0601	≤0.100	3.5	505	395	515	400
3×400	2.0	2.2	2×0.5	3.2	61	13556	6629	≤0.0470	≤0.0778	3.5	570	445	575	445

表20 Table 20

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
4×4	0.7	1.0	2×0.3	1.5	16	454	354	≤4.61	≤7.41	3.5	34	27	45	36
4×6	0.7	1.0	2×0.3	1.5	17	557	409	≤3.08	≤4.61	3.5	43	35	57	46
4×10	0.7	1.0	2×0.3	2.0	20	791	539	≤1.83	≤3.08	3.5	60	47	77	59
4×16	0.7	1.0	2×0.5	2.0	23	1210	810	≤1.15	≤1.91	3.5	83	64	105	80
4×25	0.9	1.0	2×0.5	2.0	27	1672	1041	≤0.727	≤1.20	3.5	105	82	125	100
4×35	0.9	1.0	2×0.5	2.0	29	2127	1243	≤0.524	≤0.868	3.5	125	100	155	120
4×50	1.0	1.0	2×0.5	2.0	33	2802	1539	≤0.387	≤0.641	3.5	160	125	185	145
4×70	1.1	1.2	2×0.5	2.5	38	3785	2017	≤0.268	≤0.443	3.5	200	155	225	175
4×95	1.1	1.2	2×0.5	2.5	42	4829	2430	≤0.193	≤0.320	3.5	245	200	287	210
4×120	1.2	1.4	2×0.5	3.0	47	6033	3003	≤0.153	≤0.253	3.5	285	220	310	240
4×150	1.4	1.4	2×0.5	3.0	52	7356	3568	≤0.124	≤0.206	3.5	325	250	345	270
4×185	1.6	1.6	2×0.5	3.0	56	8808	4134	≤0.0991	≤0.164	3.5	375	295	390	305
4×240	1.7	1.6	2×0.5	3.0	62	11182	5122	≤0.0754	≤0.125	3.5	440	345	450	355
4×300	1.8	1.7	2×0.5	3.1	64	14176	6456	≤0.0601	≤0.100	3.5	505	395	515	400
4×400	2.0	1.7	2×0.5	3.5	69	17815	7735	≤0.0470	≤0.0778	3.5	570	445	575	445



(3+1 cores) 表21 Table 21

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
3×4+1×2.5	0.7	1.0	2×0.3	1.5	16	443	336	≤4.61	≤7.41	3.5	34	27	45	36
3×6+1×4	0.7	1.0	2×0.3	1.5	17	531	402	≤3.08	≤4.61	3.5	43	35	57	46
3×10+1×6	0.7	1.0	2×0.3	2.0	20	741	521	≤1.83	≤3.08	3.5	60	47	77	59
3×16+1×10	0.7	1.0	2×0.5	2.0	23	1135	785	≤1.15	≤1.91	3.5	83	64	105	80
3×25+1×16	0.9	1.0	2×0.5	2.0	26	1556	1004	≤0.727	≤1.20	3.5	105	82	125	100
3×35+1×16	0.9	1.0	2×0.5	2.0	28	1896	1132	≤0.524	≤0.868	3.5	125	100	155	120
3×50+1×25	1.0	1.0	2×0.5	2.0	31	2518	1412	≤0.387	≤0.641	3.5	160	125	185	145
3×70+1×35	1.1	1.2	2×0.5	2.5	36	3293	1846	≤0.268	≤0.443	3.5	200	155	225	175
3×95+1×50	1.1	1.2	2×0.5	2.5	40	4349	2250	≤0.193	≤0.320	3.5	245	200	270	210
3×120+1×70	1.2	1.2	2×0.5	2.5	44	5365	2714	≤0.153	≤0.253	3.5	285	220	310	240
3×150+1×70	1.4	1.4	2×0.5	3.0	49	6468	3154	≤0.124	≤0.206	3.5	325	250	345	270
3×185+1×95	1.6	1.4	2×0.5	3.0	52	7854	3765	≤0.0991	≤0.164	3.5	375	295	390	305
3×240+1×120	1.7	1.6	2×0.5	3.5	68	9814	4512	≤0.0754	≤0.125	3.5	440	345	450	355
3×300+1×150	1.8	1.7	2×0.5	3.5	71	12781	6066	≤0.0601	≤0.100	3.5	505	395	515	400
3×400+1×240	2.0	1.7	2×0.5	3.5	76	16359	7287	≤0.0470	≤0.0778	3.5	570	445	575	445

(3+2 cores) 表22 Table 22

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
3×4+2×2.5	0.7	1.0	2×0.3	1.5	17.5	855	748	≤4.61	≤7.41	3.5	34	27	45	36
3×6+2×4	0.7	1.0	2×0.3	1.5	18.9	1009	815	≤3.08	≤4.61	3.5	43	35	57	46
3×10+2×6	0.7	1.0	2×0.3	2.0	21.6	1461	1196	≤1.83	≤3.08	3.5	60	47	77	59
3×16+2×10	0.7	1.0	2×0.5	2.0	24.6	1877	1449	≤1.15	≤1.91	3.5	83	64	105	80
3×25+2×16	0.9	1.0	2×0.5	2.0	28.7	2583	1909	≤0.727	≤1.20	3.5	105	82	125	100
3×35+2×16	0.9	1.0	2×0.5	2.0	30.7	3001	2138	≤0.524	≤0.868	3.5	125	100	155	120
3×50+2×25	1.0	1.0	2×0.5	2.0	36.2	4392	3132	≤0.387	≤0.641	3.5	160	125	185	145
3×70+2×35	1.1	1.2	2×0.5	2.5	40.3	5519	3755	≤0.268	≤0.443	3.5	200	155	225	175
3×95+2×50	1.1	1.2	2×0.5	2.5	44.9	7543	5119	≤0.193	≤0.320	3.5	245	200	270	210
3×120+2×70	1.2	1.2	2×0.5	2.5	50.3	9203	6053	≤0.153	≤0.253	3.5	285	220	310	240
3×150+2×70	1.4	1.4	2×0.5	3.0	54.0	10485	6768	≤0.124	≤0.206	3.5	325	250	345	270
3×185+2×95	1.6	1.4	2×0.5	3.0	60.2	13945	9264	≤0.0991	≤0.164	3.5	375	295	390	305
3×240+2×120	1.7	1.6	2×0.5	3.5	67.2	15643	9597	≤0.0754	≤0.125	3.5	440	345	450	355
3×300+2×150	1.8	1.7	2×0.5	3.5	75.2	18204	10649	≤0.0601	≤0.100	3.5	505	395	515	400

(4+1 cores) 表23 Table 23

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
4×4+1×2.5	0.7	1.0	2×0.3	1.5	18.4	565	448	≤4.61	≤7.41	3.5	34	27	45	36
4×6+1×4	0.7	1.0	2×0.3	1.5	19.8	692	516	≤3.08	≤4.61	3.5	43	35	57	46
4×10+1×6	0.7	1.0	2×0.3	2.0	22.8	953	663	≤1.83	≤3.08	3.5	60	47	77	59
4×16+1×10	0.7	1.0	2×0.5	2.0	25.8	1318	852	≤1.15	≤1.91	3.5	83	64	105	80
4×25+1×16	0.9	1.0	2×0.5	2.0	30.4	1877	1146	≤0.727	≤1.20	3.5	105	82	125	100
4×35+1×16	0.9	1.0	2×0.5	2.0	34.1	2324	1343	≤0.524	≤0.868	3.5	125	100	155	120
4×50+1×25	1.0	1.0	2×0.5	2.0	38.7	3415	1998	≤0.387	≤0.641	3.5	160	125	185	145
4×70+1×35	1.1	1.2	2×0.5	2.5	44.2	4432	2448	≤0.268	≤0.443	3.5	200	155	225	175
4×95+1×50	1.1	1.2	2×0.5	2.5	49.8	5747	3040	≤0.193	≤0.320	3.5	245	200	270	210
4×120+1×70	1.2	1.2	2×0.5	2.5	55.4	7112	3647	≤0.153	≤0.253	3.5	285	220	310	240
4×150+1×70	1.4	1.4	2×0.5	3.0	60.1	8556	4335	≤0.124	≤0.206	3.5	325	250	345	270
4×185+1×95	1.6	1.4	2×0.5	3.0	66.9	10510	5252	≤0.0991	≤0.164	3.5	375	295	390	305
4×240+1×120	1.7	1.6	2×0.5	3.5	74.8	13232	6428	≤0.0754	≤0.125	3.5	440	345	450	355
4×300+1×150	1.8	1.7	2×0.5	3.5	78.4	16452	7947	≤0.0601	≤0.100	3.5	505	395	515	400

(5 cores) 表24 Table 24

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
5×4	0.7	1.0	2×0.3	1.5	18.1	588	462	≤4.61	≤7.41	3.5	34	27	45	36
5×6	0.7	1.0	2×0.3	1.5	19.4	720	531	≤3.08	≤4.61	3.5	43	35	57	46
5×10	0.7	1.0	2×0.3	2.0	22.9	1014	699	≤1.83	≤3.08	3.5	60	47	77	59
5×16	0.7	1.0	2×0.5	2.0	25.8	1392	888	≤1.15	≤1.91	3.5	83	64	105	80
5×25	0.9	1.0	2×0.5	2.0	30.5	2002	1215	≤0.727	≤1.20	3.5	105	82	125	100
5×35	0.9	1.0	2×0.5	2.0	33.7	2581	1479	≤0.524	≤0.868	3.5	125	100	155	120
5×50	1.0	1.0	2×0.5	2.0	38.6	3722	2147	≤0.387	≤0.641	3.5	160	125	185	145
5×70	1.1	1.2	2×0.5	2.5	43.4	4897	2697	≤0.268	≤0.443	3.5	200	155	225	175
5×95	1.1	1.2	2×0.5	2.5	48.6	6338	3586	≤0.193	≤0.320	3.5	245	200	287	210
5×120	1.2	1.4	2×0.5	3.0	54.4	7851	4070	≤0.153	≤0.253	3.5	285	220	310	240
5×150	1.4	1.4	2×0.5	3.0	60.1	9661	4936	≤0.124	≤0.206	3.5	325	250	345	270
5×185	1.6	1.6	2×0.5	3.0	66.7	11770	5945	≤0.0991	≤0.164	3.5	375	295	390	305
5×240	1.7	1.6	2×0.5	3.0	74.7	14900	7340	≤0.0754	≤0.125	3.5	440	345	450	355
5×300	1.8	1.7	2×0.5	3.1	83.2	18000	8550	≤0.0601	≤0.100	3.5	505	395	515	400



YJV₂₂、YJLV₂₂-3.6/6kV交联电力电缆

表25 Table 25

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×25	2.5	1.2	0.5	2.3	44.05	2816	2348	≤0.7270	≤1.2000	12.5	120	90	125	100
3×35	2.5	1.3	0.5	2.3	46.41	3254	2600	≤0.5240	≤0.8680	12.5	140	110	155	120
3×50	2.5	1.3	0.5	2.4	48.99	3842	2907	≤0.3870	≤0.6410	12.5	165	130	180	140
3×70	2.5	1.4	0.5	2.6	53.26	4706	3398	≤0.2680	≤0.4430	12.5	210	165	220	170
3×95	2.5	1.5	0.5	2.7	56.69	5646	3870	≤0.1930	≤0.3200	12.5	255	200	265	210
3×120	2.5	1.5	0.5	2.8	60.13	6580	4337	≤0.1530	≤0.2530	12.5	290	225	300	235
3×150	2.5	1.6	0.5	2.9	63.44	7659	4855	≤0.1240	≤0.2060	12.5	330	255	340	260
3×185	2.5	1.7	0.5	3.0	67.62	8946	5488	≤0.0991	≤0.1640	12.5	375	295	380	300
3×240	2.6	1.8	0.5	3.2	73.84	10972	6485	≤0.0754	≤0.1250	12.5	435	345	435	345
3×300	2.8	1.9	0.5	3.4	80.27	13194	7586	≤0.0601	≤0.1000	12.5	495	390	485	390
3×400	3.0	2.0	0.8	3.7	88.53	17489	10012	≤0.0470	≤0.0778	12.5	565	450	520	440

YJV₂₂、YJLV₂₂-6/6kV 6/10kV交联电力电缆

表26 Table 26

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×25	3.4	1.6	2×0.5	2.6	47	3010	2554	≤0.727	≤1.20	21	120	90	125	100
3×35	3.4	1.6	2×0.5	2.8	50	3498	2847	≤0.524	≤0.868	21	140	110	155	120
3×50	3.4	1.8	2×0.5	2.8	53	4135	3205	≤0.387	≤0.641	21	165	130	180	140
3×70	3.4	1.8	2×0.5	3.1	56	4958	3655	≤0.268	≤0.443	21	210	165	220	170
3×95	3.4	2.0	2×0.5	3.1	61	5974	4206	≤0.193	≤0.320	21	255	200	265	210
3×120	3.4	2.0	2×0.5	3.2	64	6969	4736	≤0.153	≤0.253	21	290	225	300	235
3×150	3.4	2.0	2×0.5	3.6	69	8161	5370	≤0.124	≤0.206	21	330	255	340	260
3×185	3.4	2.2	2×0.5	3.6	72	9417	5975	≤0.0991	≤0.164	21	375	295	380	300
3×240	3.4	2.2	2×0.5	3.6	78	11340	6874	≤0.0754	≤0.125	21	435	345	435	345
3×300	3.4	2.2	2×0.8	3.8	84	14247	8665	≤0.0601	≤0.100	21	495	390	485	390
3×400	3.4	2.2	2×0.8	3.9	90	17510	9948	≤0.0470	≤0.0778	21	565	450	520	440

YJV₂₂、YJLV₂₂-8.7/10kV 8.7/15kV交联电力电缆

表27 Table 27

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×25	4.5	1.6	2×0.5	2.9	53	3500	3035	≤0.727	≤1.20	30.5	120	90	125	100
3×35	4.5	1.6	2×0.5	2.9	55	3980	3329	≤0.524	≤0.868	30.5	140	110	155	120
3×50	4.5	1.8	2×0.5	3.1	58	4679	3748	≤0.387	≤0.641	30.5	165	130	180	140
3×70	4.5	1.8	2×0.5	3.1	61	5410	4107	≤0.268	≤0.443	30.5	210	165	220	170
3×95	4.5	2.0	2×0.5	3.4	66	6567	4799	≤0.193	≤0.320	30.5	255	200	265	210
3×120	4.5	2.0	2×0.5	3.4	70	7541	5308	≤0.153	≤0.253	30.5	290	225	300	235
3×150	4.5	2.0	2×0.5	3.6	73	8674	5883	≤0.124	≤0.206	30.5	330	255	340	260
3×185	4.5	2.2	2×0.5	3.6	77	9991	6549	≤0.0991	≤0.164	30.5	375	295	380	300
3×240	4.5	2.2	2×0.8	4.0	84	11887	8421	≤0.0754	≤0.125	30.5	435	345	435	345
3×300	4.5	2.2	2×0.8	4.0	89	14974	9392	≤0.0601	≤0.100	30.5	495	390	485	390
3×400	4.5	2.2	2×0.8	4.1	96	18230	10670	≤0.0470	≤0.0778	30.5	565	450	525	440

YJV₂₂、YJLV₂₂-12/20kV交联电力电缆

表28 Table 28

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×35	5.5	1.8	2×0.5	3.2	63	4840	4189	≤0.524	≤0.868	42	140	110	155	120
3×50	5.5	1.8	2×0.5	3.2	66	5463	4532	≤0.387	≤0.641	42	165	130	180	140
3×70	5.5	2.0	2×0.5	3.3	69	6346	5044	≤0.268	≤0.443	42	210	165	220	170
3×95	5.5	2.0	2×0.5	3.6	74	7457	5689	≤0.193	≤0.320	42	255	200	265	210
3×120	5.5	2.0	2×0.5	3.6	77	8459	6227	≤0.153	≤0.253	42	290	225	300	235
3×150	5.5	2.2	2×0.8	3.8	82	10555	7764	≤0.124	≤0.206	42	330	255	340	260
3×185	5.5	2.2	2×0.8	4.0	86	11925	8483	≤0.0991	≤0.164	42	375	295	380	300
3×240	5.5	2.2	2×0.8	4.0	92	13959	9494	≤0.0754	≤0.125	42	435	345	435	345
3×300	5.5	2.2	2×0.8	4.2	97	16314	10731	≤0.0601	≤0.100	42	495	390	485	390
3×400	5.5	2.3	2×0.8	4.3	103	19032	11458	≤0.0470	≤0.0778	42	565	450	520	440



YJV₂₂、YJLV₂₂-18/20kV(18/30kV)交联电力电缆

表29 Table 29

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
				Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
									Cu	Al	Cu	Al
3×50	8.0	3.3	75.1	7200	6250	≤0.387	≤0.641	63	165	130	180	140
3×70	8.0	3.5	78.7	8230	6910	≤0.268	≤0.443	63	210	165	220	170
3×95	8.0	3.6	84.0	9410	7620	≤0.193	≤0.320	63	255	200	265	210
3×120	8.0	3.8	87.5	11120	8870	≤0.153	≤0.253	63	290	225	300	235
3×150	8.0	3.9	91.3	12400	9580	≤0.124	≤0.206	63	330	255	340	260
3×185	8.0	4.0	94.9	13910	10450	≤0.0991	≤0.164	63	375	295	380	300
3×240	8.0	4.2	100.3	16080	11590	≤0.0754	≤0.125	63	435	345	435	345
3×300	8.0	4.3	105.6	18500	12850	≤0.0601	≤0.100	63	495	390	485	390
3×400	8.0	4.6	112.8	21920	14410	≤0.0470	≤0.0778	63	565	450	520	440

YJV₂₂、YJLV₂₂-21/35kV交联电力电缆

表30 Table 30

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×50	9.3	1.9	0.8	3.6	83.17	8376	7441	≤0.3870	≤0.6410	73.5	185	145	200	170
3×70	9.3	2.0	0.8	3.7	87.24	9442	8134	≤0.2680	≤0.4430	73.5	230	190	250	190
3×95	9.3	2.1	0.8	3.8	90.66	10573	8797	≤0.1930	≤0.3200	73.5	280	215	300	230
3×120	9.3	2.1	0.8	3.9	94.10	11690	9447	≤0.1530	≤0.2530	73.5	310	240	330	255
3×150	9.3	2.2	0.8	4.0	97.42	12957	10153	≤0.1240	≤0.2060	73.5	360	280	380	295
3×185	9.3	2.2	0.8	4.1	101.40	14423	10965	≤0.0991	≤0.1640	73.5	400	310	425	330
3×240	9.3	2.3	0.8	4.3	107.18	16717	12231	≤0.0754	≤0.1250	73.5	470	365	490	380

YJV₂₂、YJLV₂₂-26/35kV交联电力电缆

表31 Table 31

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×50	10.5	2.0	0.8	3.7	87	9975	9025	≤0.387	≤0.641	91	185	145	200	170
3×70	10.5	2.0	0.8	3.8	90	10927	9597	≤0.268	≤0.443	91	230	190	250	190
3×95	10.5	2.1	0.8	3.9	95	12190	10384	≤0.193	≤0.320	91	280	215	300	230
3×120	10.5	2.2	0.8	4.0	99	13451	11169	≤0.153	≤0.253	91	310	240	330	255
3×150	10.5	2.2	0.8	4.1	100	14907	12055	≤0.124	≤0.206	91	360	280	380	295

YJV₂₂、YJLV₂₂-26/35kV交联电力电缆

表31 Table 31

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢带厚度 Steel tape thickness (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
3×185	10.5	2.3	0.8	4.2	106	16501	12947	≤0.0991	≤0.164	91	400	310	425	300
3×240	10.5	2.4	0.8	4.4	112	18826	14262	≤0.0754	≤0.125	91	470	365	490	380
3×300	10.5	2.6	0.8	4.5	115	19114	13444	≤0.0601	≤0.100	91	545	425	555	460
3×400	10.5	2.6	0.8	4.5	123	22818	15258	≤0.0470	≤0.0778	91	635	490	625	540

YJV₂₂、YJLV₂₂-3.6/6kV交联电力电缆

表32 Table 32

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
1×25	2.5	1.2	1.6	1.8	26.10	1396	1241	≤0.7270	≤1.2000	12.5	140	110	150	115
1×35	2.5	1.2	1.6	1.8	27.10	1550	1333	≤0.5240	≤0.8680	12.5	170	135	180	135
1×50	2.5	1.2	1.6	1.8	28.20	1754	1444	≤0.3870	≤0.6410	12.5	205	160	215	160
1×70	2.5	1.2	1.6	1.9	30.10	2054	1620	≤0.2680	≤0.4430	12.5	260	200	265	200
1×95	2.5	1.2	1.6	1.9	31.50	2367	1778	≤0.1930	≤0.3200	12.5	315	245	315	240
1×120	2.5	1.2	1.6	2.0	33.20	2701	1957	≤0.1530	≤0.2530	12.5	360	280	360	270
1×150	2.5	1.2	2.0	2.0	35.35	3301	2371	≤0.1240	≤0.2060	12.5	410	320	405	305
1×185	2.5	1.2	2.0	2.1	37.30	3756	2609	≤0.0991	≤0.1640	12.5	470	365	455	345
1×240	2.6	1.2	2.0	2.2	40.10	4458	2970	≤0.0754	≤0.1250	12.5	555	435	530	400
1×300	2.8	1.2	2.0	2.3	43.00	5223	3363	≤0.0601	≤0.1000	12.5	640	500	595	455
1×400	3.0	1.3	2.5	2.4	47.30	6804	4324	≤0.0470	≤0.0778	12.5	745	585	680	520
1×500	3.2	1.3	2.5	2.5	51.70	8094	4994	≤0.0366	≤0.0605	12.5	885	680	765	595
3×25	2.5	1.2	2.0	2.3	46.05	3655	3188	≤0.7270	≤1.2000	12.5	120	90	125	100
3×35	2.5	1.3	2.5	2.4	49.61	4598	3944	≤0.5240	≤0.8680	12.5	140	110	155	120
3×50	2.5	1.3	2.5	2.5	52.19	5259	4325	≤0.3870	≤0.6410	12.5	165	130	180	140
3×70	2.5	1.4	2.5	2.7	56.46	6244	4936	≤0.2680	≤0.4430	12.5	210	165	220	170
3×95	2.5	1.5	2.5	2.8	59.89	7283	5507	≤0.1930	≤0.3200	12.5	255	200	265	210
3×120	2.5	1.5	2.5	2.9	63.33	8317	6074	≤0.1530	≤0.2530	12.5	290	225	300	235
3×150	2.5	1.6	2.5	3.0	66.64	9492	6688	≤0.1240	≤0.2060	12.5	330	255	340	260
3×185	2.5	1.7	2.5	3.1	70.82	10901	7443	≤0.0991	≤0.1640	12.5	375	295	380	300
3×240	2.6	1.8	3.15	3.4	78.54	14046	9560	≤0.0754	≤0.1250	12.5	435	345	435	345
3×300	2.8	1.9	3.15	3.6	84.97	16533	10925	≤0.0601	≤0.1000	12.5	495	390	485	390



YJV₂₂, YJLV₂₂-6/6kV, 6/10kV交联电力电缆

表33 Table 33

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
1×25	3.4	1.2	1.6	1.8	27.90	1531	1378	≤0.7270≤1.2000	21	140	110	150	115	
1×35	3.4	1.2	1.6	1.8	28.90	1687	1470	≤0.5240≤0.8680	21	170	135	180	135	
1×50	3.4	1.2	1.6	1.9	30.20	1907	1597	≤0.3870≤0.6410	21	205	160	215	160	
1×70	3.4	1.2	1.6	1.9	31.90	2200	1766	≤0.2680≤0.4430	21	260	200	265	200	
1×95	3.4	1.2	1.6	2.0	33.50	2531	1942	≤0.1930≤0.3200	21	315	245	315	240	
1×120	3.4	1.2	2.0	2.0	35.80	3103	2359	≤0.1530≤0.2530	21	360	280	360	270	
1×150	3.4	1.2	2.0	2.1	37.35	3488	2558	≤0.1240≤0.2060	21	410	320	405	305	
1×185	3.4	1.2	2.0	2.2	39.30	3950	2903	≤0.0991≤0.1640	21	470	365	455	345	
1×240	3.4	1.2	2.0	2.2	41.70	4623	3135	≤0.0754≤0.1250	21	555	435	530	400	
1×300	3.4	1.2	2.0	2.3	44.20	5351	3491	≤0.0601≤0.1000	21	640	500	595	455	
1×400	3.4	1.3	2.5	2.4	48.10	6901	4421	≤0.0470≤0.0778	21	745	585	680	520	
1×500	3.4	1.3	2.5	2.5	52.10	8145	5045	≤0.0366≤0.0605	21	885	680	765	595	
3×25	3.4	1.3	2.5	2.5	51.54	4579	4112	≤0.7270≤1.2000	21	120	90	125	100	
3×35	3.4	1.3	2.5	2.6	53.90	5095	4441	≤0.5240≤0.8680	21	140	110	155	120	
3×50	3.4	1.4	2.5	2.7	56.68	5802	4868	≤0.3870≤0.6410	21	165	130	180	140	
3×70	3.4	1.5	2.5	2.8	60.75	6788	5480	≤0.2680≤0.4430	21	210	165	220	170	
3×95	3.4	1.5	2.5	2.9	63.97	7812	6037	≤0.1930≤0.3200	21	255	200	265	210	
3×120	3.4	1.6	2.5	3.1	67.81	8929	6686	≤0.1530≤0.2530	21	290	225	300	235	
3×150	3.4	1.7	2.5	3.2	71.13	10125	7321	≤0.1240≤0.2060	21	330	255	340	260	
3×185	3.4	1.7	3.15	3.3	76.41	12403	8945	≤0.0991≤0.1640	21	375	295	380	300	
3×240	3.4	1.8	3.15	3.5	82.19	14646	10159	≤0.0754≤0.1250	21	435	345	435	345	
3×300	3.4	1.9	3.15	3.7	87.76	17014	11406	≤0.0601≤0.1000	21	495	390	485	390	

YJV₂₂, YJLV₂₂-8.7/10kV, 8.7/15kV交联电力电缆

表34 Table 34

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
1×25	4.5	1.2	1.6	1.9	30.30	1714	1559	≤0.7270≤1.2000	30.5	140	110	150	115	
1×35	4.5	1.2	1.6	1.9	31.30	1874	1657	≤0.5240≤0.8680	30.5	170	135	180	135	
1×50	4.5	1.2	1.6	1.9	32.40	2086	1776	≤0.3870≤0.6410	30.5	205	160	215	160	
1×70	4.5	1.2	2.0	2.0	35.10	2641	2207	≤0.2680≤0.4430	30.5	260	200	265	200	
1×95	4.5	1.2	2.0	2.1	36.70	2990	2401	≤0.1930≤0.3200	30.5	315	245	315	240	
1×120	4.5	1.2	2.0	2.1	38.20	3332	2588	≤0.1530≤0.2530	30.5	360	280	360	270	
1×150	4.5	1.2	2.0	2.2	41.50	3723	2793	≤0.1240≤0.2060	30.5	410	320	405	305	
1×185	4.5	1.2	2.0	2.2	44.10	4174	3027	≤0.0991≤0.1640	30.5	470	365	455	345	
1×240	4.5	1.2	2.0	2.3	47.80	4874	3386	≤0.0754≤0.1250	30.5	555	435	530	400	
1×300	4.5	1.3	2.5	2.4	50.50	6056	4196	≤0.0601≤0.1000	30.5	640	500	595	455	
1×400	4.5	1.3	2.5	2.5	54.70	7195	4715	≤0.0470≤0.0778	30.5	745	585	680	520	

YJV₂₂, YJLV₂₂-8.7/10kV, 8.7/15kV交联电力电缆

表34 Table 34

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
1×500	4.5	1.4	2.5	2.6	57.70	8485	5385	≤0.0366≤0.0605	30.5	885	680	765	595	
3×25	4.5	1.4	2.5	2.7	56.89	5224	4757	≤0.7270≤1.2000	30.5	120	90	125	100	
3×35	4.5	1.5	2.5	2.8	59.45	5790	5135	≤0.5240≤0.8680	30.5	140	110	155	120	
3×50	4.5	1.5	2.5	2.9	62.03	6485	5550	≤0.3870≤0.6410	30.5	165	130	180	140	
3×70	4.5	1.6	2.5	3.0	66.10	7501	6192	≤0.2680≤0.4430	30.5	210	165	220	170	
3×95	4.5	1.6	2.5	3.1	69.33	8548	6772	≤0.1930≤0.3200	30.5	255	200	265	210	
3×120	4.5	1.7	2.5	3.2	72.97	9663	7419	≤0.1530≤0.2530	30.5	290	225	300	235	
3×150	4.5	1.8	3.15	3.4	77.78	11811	9007	≤0.1240≤0.2060	30.5	330	255	340	260	
3×185	4.5	1.8	3.15	3.5	81.76	13282	9824	≤0.0991≤0.1640	30.5	375	295	380	300	
3×240	4.5	1.9	3.15	3.7	87.55	15567	11081	≤0.0754≤0.1250	30.5	435	345	435	345	
3×300	4.5	2.0	3.15	3.8	92.91	17937	12329	≤0.0601≤0.1000	30.5	495	390	485	390	

YJV₂₂, YJLV₂₂-12/20kV交联电力电缆

表35 Table 35

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)		直埋土壤中 Direct in soil(A)	
											Cu	Al	Cu	Al
1×35	5.5	1.2	2.0	2.0	34.30	2291	2074	≤0.5240≤0.8680	42	170	135	180	135	
1×50	5.5	1.2	2.0	2.0	35.40	2515	2205	≤0.3870≤0.6410	42	205	160	215	160	
1×70	5.5	1.2	2.0	2.1	37.30	2847	2413	≤0.2680≤0.4430	42	260	200	265	200	
1×95	5.5	1.2	2.0	2.1	38.70	3186	2597	≤0.1930≤0.3200	42	315	245	315	240	
1×120	5.5	1.2	2.0	2.2	40.40	3547	2803	≤0.1530≤0.2530	42	360	280	360	270	
1×150	5.5	1.2	2.0	2.2	41.75	3928	2998	≤0.1240≤0.2060	42	410	320	405	305	
1×185	5.5	1.2	2.0	2.3	43.70	4402	3255	≤0.0991≤0.1640	42	470	365	455	345	
1×240	5.5	1.3	2.5	2.4	47.50	5554	4066	≤0.0754≤0.1250	42	555	435	530	400	
1×300	5.5	1.3	2.5	2.5	50.00	6323	4463	≤0.0601≤0.1000	42	640	500	595	455	
1×400	5.5	1.4	2.5	2.6	52.90	7501	5021	≤0.0470≤0.0778	42	745	585	680	520	
1×500	5.5	1.4	2.5	2.7	56.90	8776	5676	≤0.0366≤0.0605	42	885	680	765	595	
3×35	5.5	1.5	2.5	2.9	63.97	6374	5719	≤0.5240≤0.8680	42	140	110	155	120	
3×50	5.5	1.6	2.5	3.0	66.75	7122	6187	≤0.3870≤0.6410	42	165	130	180	140	
3×70	5.5	1.7	2.5	3.2	71.02	8190	6882	≤0.2680≤0.4430	42	210	165	220	170	
3×95	5.5	1.7	2.5	3.3	74.25	9258	7482	≤0.1930≤0.3200	42	255	200	265	210	
3×120	5.5	1.8	3.15	3.4	79.19	11311	9068	≤0.1530≤0.2530	42	290	225	300	235	
3×150	5.5	1.9	3.15	3.5	82.50	12594	9790	≤0.1240≤0.2060	42	330	255	340	260	
3×185	5.5	1.9	3.15	3.7	86.68	14125	10667	≤0.0991≤0.1640	42	375	295	380	300	
3×240	5.5	2.0	3.15	3.8	92.27	16412	11926	≤0.0754≤0.1250	42	435	345	435	345	
3×300	5.5	2.1	3.15	4.0	97.83	18855	13247	≤0.0601≤0.1000	42	495	390	485	390	

YJV₂₂, YJLV₂₂-21/35kV交联电力电缆

表36 Table 36

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)	直埋土壤中 Direct in soil(A)	Cu	Al
1×50	9.3	1.2	2.0	2.3	43.60	3329	3019	≤0.3870	≤0.6410	73.5	220	170	215	165
1×70	9.3	1.2	2.0	2.4	45.50	3687	3253	≤0.2680	≤0.4430	73.5	270	210	265	200
1×95	9.3	1.3	2.5	2.5	48.30	4510	3921	≤0.1930	≤0.3200	73.5	330	255	315	240
1×120	9.3	1.3	2.5	2.5	49.80	4891	4147	≤0.1530	≤0.2530	73.5	375	290	360	270
1×150	9.3	1.3	2.5	2.6	51.35	5323	4393	≤0.1240	≤0.2060	73.5	425	330	400	305
1×185	9.3	1.4	2.5	2.6	53.30	5850	4703	≤0.0991	≤0.1640	73.5	485	380	455	345
1×240	9.3	1.4	2.5	2.7	55.90	6620	5132	≤0.0754	≤0.1250	73.5	560	435	525	400
1×300	9.3	1.5	2.5	2.8	58.60	7456	5596	≤0.0601	≤0.1000	73.5	650	510	595	455
1×400	9.3	1.5	2.5	2.9	61.30	8642	6162	≤0.0470	≤0.0778	73.5	760	285	680	525
1×500	9.3	1.6	2.5	3.0	65.50	10006	6906	≤0.0366	≤0.0605	73.5	875	690	775	600

YJV₂₂, YJLV₂₂-26/35kV交联电力电缆

表37 Table 37

导线标称截面 Nominal Cross sectional area of conductor (mm ²)	绝缘厚度 Insulation thickness (mm)	内护套厚度 Inner sheath thickness (mm)	钢丝直径 Steel wire diameter (mm)	护套厚度 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)		导线直流电阻 D.C resistance of conductor (Ω/km)		试验电压 Testing voltage A.C (kV/5min)	电缆载流量 Current rating			
						Cu	Al	Cu	Al		在空气中 In air(A)	直埋土壤中 Direct in soil(A)	Cu	Al
1×50	10.5	1.3	2.5	2.4	47.40	4049	3739	≤0.3870	≤0.6410	91	220	170	215	165
1×70	10.5	1.3	2.5	2.5	49.30	4433	3999	≤0.2680	≤0.4430	91	270	210	265	200
1×95	10.5	1.3	2.5	2.5	50.70	4809	4220	≤0.1930	≤0.3200	91	330	255	315	240
1×120	10.5	1.4	2.5	2.6	52.60	5247	4503	≤0.1530	≤0.2530	91	375	290	360	270
1×150	10.5	1.4	2.5	2.6	53.95	5663	4733	≤0.1240	≤0.2060	91	425	330	400	305
1×185	10.5	1.4	2.5	2.7	55.90	6191	5044	≤0.0991	≤0.1640	91	485	380	455	345
1×240	10.5	1.5	2.5	2.8	58.70	7003	5515	≤0.0754	≤0.1250	91	560	435	525	400
1×300	10.5	1.5	2.5	2.9	61.20	7819	5959	≤0.0601	≤0.1000	91	650	510	595	455
1×400	10.5	1.6	2.5	3.0	64.10	9051	6571	≤0.0470	≤0.0778	91	760	285	680	525
1×500	10.5	1.6	2.5	3.1	68.10	10398	7298	≤0.0366	≤0.0605	91	875	690	775	600

4 局部放电试验 Partial discharge test

电压等级 Voltage grade U ₀ /U kV	要求 Requirement
3.6/6 6/6	在1.73U ₀ 电压下局部放电电量应不超过10PC
8.7/10 12/20	
18/30 21/35	
26/35	

5 技术性能 Technology property

- 5.1 弯曲半径:
单芯电缆允许弯曲半径为20(d+D)±5%
多芯电缆允许弯曲半径为15(d+D)±5%
D=电缆的实际外径(mm)
d=导体的实际直径(mm)

- 5.2 敷设温度:
低于0℃敷设时必须预先加温。

- 5.3 敷设落差:
电缆敷设不受水平落差限制。

- 5.1 Bending radius:
Bending radius of single core cable is 20(d+D)±5%
Bending radius of multi-core cable is 15(d+D)±5%
D=Actual outer diameter of cable sample (mm)
d=Actual diameter of the conductor (mm)

- 5.2 Installation temperature:
It should be heated where ambient temperature is below 0℃ lever difference of cable installation:

- 5.3 Not restricted be the difference of level along the route.

6 不同环境温度下的载流量修正系数 Conversion factors of current rating for ambient temperatuer

		空气温度 Air temperature						
		20	25	30	35	40	45	50
工作温度 Operating temperatuer (°C)	20	1.23	1.17	1.12	1.06	1.0	0.96	0.87
	土壤温度 Soilk temperature							
	10	1.11	1.07	1.04	1.00	0.96	0.92	