

交联聚乙烯绝缘铝合金带连锁铠装 稀土铝合金电力电缆

产品结构特点:

紧压绞合稀土铝合金导体
阻燃交联聚乙烯绝缘
轧纹聚酯带绕包
铝合金带连锁铠装护层
聚氯乙烯护套或聚烯烃护套
5000V及以上采用内、外屏蔽层

产品特性分析:

稀土铝合金电力电缆在发达国家已得到广泛应用。
导体: 抗蠕变、高柔韧、强延展、低反弹、连接稳定。
绝缘: 耐高温、防燃烧、抗老化、强耐用、低碳环保。
铠装层: 经济性能优越, 特殊的自锁形式, 坚固强韧。
外护套: 采用无铅无镉的PVC, 可在潮湿场所安装, 亦可直埋或敷设在混凝土中使用。
应用特点: 电缆的铠装层强度高, 比钢带铠装更轻、更易剥离, 安装便利, 可免桥架安装, 降低成本。不局限于360°安装, 不需要拉线盒。在拐角处容易弯曲, 减少对管道的需求, 具备普通管道所不具有的超强柔韧性, 经工厂精心设计, 在安装过程中有效避免导线损伤, 亦可根据用户需要生产低烟无卤、耐火阻燃金属连锁铠装电缆, 能达到阻燃 I A级、耐火 I 级, 符合GA306.1及GA306.2标准。

产品使用要求:

适用于600V~35kV电压等级; 适用于90℃下干燥或潮湿场所; 可室内、室外安装, 可垂直安装, 也可托架或沿墙敷设, 也可地下直埋安装; 弯曲半径最小为7倍外径, 也可360°弯曲; 适用于民用、商业、工业、大型场馆、娱乐场所、矿井、地铁以及各类级别危险地区等场所。



电缆的型号、名称及主要用途

型号	名称	主要用途
YJHLV ₃ (AC90)	交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆	高柔韧性能的连锁铠装电缆可应用于非潮湿环境的明线或暗线敷设, 并具备与管道敷设方式相同的性能, 能承受一定的压力, 能减少管道布线所带来的施工难度和人力成本。
YJHLV ₃₂ (ACWU90)	交联聚乙烯绝缘聚氯乙烯护套铝合金带连锁铠装稀土铝合金电力电缆	高柔韧性的连锁铠装和密封的外护套电缆, 不需要管道及其附件和人工密集的拉线、扣纹和成管等工序, 可应用于干燥或潮湿环境的明线或暗线敷设, 也可应用于危险环境, 敷设方式户内可用支架、梯架、托盘以及电缆夹明敷, 户外可采用直埋、电缆沟、电缆隧道等多种方式。

注: 本公司生产的各种阻燃电力电缆在原型号前加“ZR”; 各种耐火电力电缆在原型号前加“NH”; 各种低烟无卤、阻燃、耐火电缆在原型号前加“WDZN”; 内衬及护套材料选用低烟无卤材料“ST8”。

例: WDZN-YJHLY₃₃ (低烟无卤阻燃耐火金属连锁铠装稀土铝合金电力电缆)

电缆的型号、芯数及额定电压、标称截面

型号	芯数	额定电压/标称截面		
		0.6/1kv	8.7/10kv 8.7/15kv	26/35kv
YJHLV ₃ (AC90)	3	10-400	25-500	50-500
	3+1	16-400		
	3+2	16-400		
	4	10-400		
	4+1	16-400		
YJHLV ₃₂ (ACWU90)	3	10-400	25-500	50-500
	3+1	16-400		
	3+2	16-400		
	4	10-400		
	4+1	16-400		

YJHLV_s (AC90) 0.6/1KV三芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆

YJHLV_s (AC90)0.6/1KV 3 cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating 空气中 In the air (A)
10	3.80	0.7	17.8	299	≤3.08	≥0.523	69
16	4.80	0.7	21.5	366	≤1.91	≥0.431	87
25	6.00	0.9	24.8	421	≤1.20	≥0.444	106
35	7.00	0.9	27.2	489	≤0.868	≥0.379	130
50	8.40	1.0	30.4	716	≤0.641	≥0.355	167
70	10.00	1.1	35.3	877	≤0.443	≥0.335	196
95	11.60	1.1	38.7	1321	≤0.320	≥0.290	253
120	13.00	1.2	42.2	1542	≤0.253	≥0.282	273
150	14.60	1.4	47.5	1804	≤0.206	≥0.294	312
185	16.20	1.6	52.8	2103	≤0.164	≥0.303	350
240	18.40	1.7	58.1	2869	≤0.125	≥0.283	388
300	20.60	1.8	63.4	3389	≤0.100	≥0.263	427
400	23.80	2.0	68.7	4147	≤0.0778	≥0.243	466

YJHLV_s (AC90) 0.6/1KV (3+1)芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆

YJHLV_s (AC90) 0.6/1KV (3+1) cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating 空气中 In the air (A)
3×16+1×10	4.80	0.7	22.0	386	≤1.91	≥0.431	74
3×25+1×16	6.00	0.9	23.7	479	≤1.20	≥0.444	94
3×35+1×16	7.00	0.9	26.0	589	≤0.868	≥0.379	125
3×50+1×25	8.40	1.0	28.9	857	≤0.641	≥0.355	151
3×70+1×35	10.00	1.1	32.6	993	≤0.443	≥0.335	196
3×95+1×50	11.60	1.1	40.1	1507	≤0.320	≥0.290	249
3×120+1×70	13.00	1.2	43.2	1778	≤0.253	≥0.282	302
3×150+1×70	14.60	1.4	45.8	2054	≤0.206	≥0.294	349
3×185+1×95	16.20	1.6	51.1	2477	≤0.164	≥0.303	386
3×240+1×120	18.40	1.7	56.9	3311	≤0.125	≥0.283	415
3×300+1×150	20.60	1.8	62.8	3913	≤0.100	≥0.263	461
3×400+1×185	23.80	2.0	67.8	4763	≤0.0778	≥0.243	501

YJHLV_s (AC90) 0.6/1KV (3+2)芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆

YJHLV_s (AC90)0.6/1KV (3+2) cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating 空气中 In the air (A)
3×16+2×10	4.80	0.7	23.1	404	≤1.91	≥0.431	74
3×25+2×16	6.00	0.9	26.6	572	≤1.20	≥0.444	94
3×35+2×16	7.00	0.9	28.4	677	≤0.868	≥0.379	125
3×50+2×25	8.40	1.0	31.6	916	≤0.641	≥0.355	134
3×70+2×35	10.00	1.1	35.6	1219	≤0.443	≥0.335	163
3×95+2×50	11.60	1.1	40.2	1585	≤0.320	≥0.290	195
3×120+2×70	13.00	1.2	45.0	1995	≤0.253	≥0.282	224
3×150+2×70	14.60	1.4	49.4	2330	≤0.206	≥0.294	252
3×185+2×95	16.20	1.6	53.4	2902	≤0.164	≥0.303	287
3×240+2×120	18.40	1.7	59.2	3628	≤0.125	≥0.283	345
3×300+2×150	20.60	1.8	61.8	4392	≤0.100	≥0.263	415
3×400+2×185	23.80	2.0	76.8	5883	≤0.0778	≥0.243	478

YJHLV_s (AC90) 0.6/1KV四芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆

YJHLV_s (AC90) 0.6/1KV 4 cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating 空气中 In the air (A)
10	3.80	0.7	20.2	368	≤3.08	≥0.523	67
16	4.80	0.7	22.1	433	≤1.91	≥0.431	74
25	6.00	0.9	24.0	520	≤1.20	≥0.444	94
35	7.00	0.9	26.4	621	≤0.868	≥0.379	125
50	8.40	1.0	30.3	905	≤0.641	≥0.355	151
70	10.00	1.1	34.2	1121	≤0.443	≥0.335	196
95	11.60	1.1	41.0	1688	0.320	≥0.290	249
120	13.00	1.2	44.8	1977	≤0.253	≥0.282	302
150	14.60	1.4	50.0	2341	≤0.206	≥0.294	349
185	16.20	1.6	54.6	2739	≤0.164	≥0.303	386
240	18.40	1.7	60.2	3733	≤0.125	≥0.283	415
300	20.60	1.8	65.3	4426	≤0.100	≥0.263	461
400	23.80	2.0	71.7	5433	≤0.0778	≥0.243	501

YJHLV_s (AC90) 0.6/1KV (4+1)芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆
 YJHLV_s (AC90) 0.6/1KV (4+1) cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating 空气中 In the air (A)
4×16+1×10	4.80	0.7	21.3	468	≤1.91	≥0.431	74
4×25+1×16	6.00	0.9	24.8	587	≤1.20	≥0.444	98
4×35+1×16	7.00	0.9	28.4	723	≤0.868	≥0.379	125
4×50+1×25	8.40	1.0	31.7	1021	≤0.641	≥0.355	160
4×70+1×35	10.00	1.1	37.2	1289	≤0.443	≥0.335	188
4×95+1×50	11.60	1.1	44.6	1889	≤0.320	≥0.290	238
4×120+1×70	13.00	1.2	47.7	2214	≤0.253	≥0.282	289
4×150+1×70	14.60	1.4	50.0	2567	≤0.206	≥0.294	333
4×185+1×95	16.20	1.6	55.4	4002	≤0.164	≥0.303	369
4×240+1×120	18.40	1.7	62.9	4158	≤0.125	≥0.283	425
4×300+1×150	20.60	1.8	67.1	4942	≤0.100	≥0.263	471
4×400+1×185	23.80	2.0	74.1	6018	≤0.0778	≥0.243	539

YJHLV_s (AC90) 8.7/10KV、8.7/15KV三芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆
 YJHLV_s (AC90) 8.7/10KV、8.7/15KV 3 cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	短路电流 Short circuit current KA	电缆载流量 Current rating 空气中 In the air (A)
25	6.00	4.5	34.81	1084	≤1.200	2.42	105
35	7.00	4.5	36.45	1195	≤0.868	3.37	132
50	8.40	4.5	40.15	1482	≤0.641	4.79	150
70	10.00	4.5	42.35	1669	≤0.443	6.68	185
95	11.60	4.5	47.78	2178	≤0.320	9.68	220
120	13.00	4.5	50.24	2420	≤0.253	11.4	245
150	14.60	4.5	52.97	2720	≤0.206	14.2	275
185	16.20	4.5	55.49	3013	≤0.164	17.5	315
240	18.40	4.5	62.04	3858	≤0.125	22.6	365
300	20.60	4.5	66.26	4417	≤0.100	28.2	410
400	23.80	4.5	71.45	5218	≤0.0778	37.6	455
500	26.60	4.5	79.77	6404	≤0.0605	47.0	500

YJHLV_s (AC90) 26/35KV三芯交联聚乙烯绝缘铝合金带连锁铠装稀土铝合金电力电缆
 YJHLV_s (AC90) 26/35KV 3 cores XLPE insulated aluminum alloy tape interlock-armed AL.-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thick-ness (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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	短路电流 Short circuit current KA	电缆载流量 Current rating 空气中 In the air (A)
50	8.40	10.5	71.53	4371	≤0.641	4.79	178
70	10.00	10.5	74.97	4806	≤0.443	6.68	222
95	11.60	10.5	78.42	5279	≤0.320	9.68	266
120	13.00	10.5	81.44	5697	≤0.253	11.4	306
150	14.60	10.5	84.88	6219	≤0.206	14.2	346
185	16.20	10.5	88.33	6730	≤0.164	17.5	394
240	18.40	10.5	93.07	7583	≤0.125	22.6	478
300	20.60	10.5	97.81	8602	≤0.100	28.2	530
400	23.80	10.5	104.70	9849	≤0.0778	37.6	634
500	26.60	10.5	110.73	12076	≤0.0605	47.0	738



YJHLV₃₂(ACWU90) 0.6/1KV三芯交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₃₂(ACWU90) 0.6/1KV 3 cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
10	3.80	0.7	1.5	23.2	484	≤3.08	≥0.523	59	68
16	4.80	0.7	2.0	24.3	550	≤1.91	≥0.431	77	80
25	6.00	0.9	2.0	25.7	601	≤1.20	≥0.444	96	101
35	7.00	0.9	2.0	27.3	691	≤0.868	≥0.379	120	131
50	8.40	1.0	2.0	31.8	963	≤0.641	≥0.355	157	166
70	10.00	1.1	2.5	34.7	1163	≤0.443	≥0.335	186	192
95	11.60	1.1	2.5	42.2	1708	≤0.320	≥0.290	243	224
120	13.00	1.2	2.5	45.4	1971	≤0.253	≥0.282	263	256
150	14.60	1.4	3.0	49.3	2309	≤0.206	≥0.294	302	289
185	16.20	1.6	3.0	53.1	2648	≤0.164	≥0.303	340	321
240	18.40	1.7	3.0	60.8	3584	≤0.125	≥0.283	378	355
300	20.60	1.8	3.5	66.0	4219	≤0.100	≥0.263	417	387
400	23.80	2.0	3.5	72.1	5115	≤0.0778	≥0.243	456	420

YJHLV₃₂(ACWU90) 0.6/1KV (3+1)交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₃₂(ACWU90) 0.6/1KV (3+1) cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy Power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
3×16+1×10	4.80	0.7	2.0	24.7	582	≤1.91	≥0.431	64	76
3×25+1×16	6.00	0.9	2.0	26.8	679	≤1.20	≥0.444	84	101
3×35+1×16	7.00	0.9	2.0	29.1	819	≤0.868	≥0.379	115	126
3×50+1×25	8.40	1.0	2.0	33.0	1067	≤0.641	≥0.355	141	152
3×70+1×35	10.00	1.1	2.5	36.0	1294	≤0.443	≥0.335	186	192
3×95+1×50	11.60	1.1	2.5	43.9	1909	≤0.320	≥0.290	239	248
3×120+1×70	13.00	1.2	3.0	47.6	2248	≤0.253	≥0.282	292	290
3×150+1×70	14.60	1.4	3.0	51.0	2569	≤0.206	≥0.294	339	329
3×185+1×95	16.20	1.6	3.0	55.7	3073	≤0.164	≥0.303	376	366
3×240+1×120	18.40	1.7	3.0	63.2	4066	≤0.125	≥0.283	405	383
3×300+1×150	20.60	1.8	3.5	68.4	4763	≤0.100	≥0.263	451	429
3×400+1×185	23.80	2.0	3.5	74.7	5754	≤0.0778	≥0.243	491	475

YJHLV₃₂(ACWU90) 0.6/1KV (3+2)交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₃₂(ACWU90) 0.6/1KV (3+2) cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
3×16+2×10	4.80	0.7	1.27	25.71	638	≤1.91	≥0.431	64	77
3×25+2×16	6.00	0.9	1.27	29.19	747	≤1.20	≥0.444	84	97
3×35+2×16	7.00	0.9	1.27	31.00	861	≤0.868	≥0.379	115	125
3×50+2×25	8.40	1.0	1.27	34.14	1294	≤0.641	≥0.355	124	129
3×70+2×35	10.00	1.1	1.52	38.64	1545	≤0.443	≥0.335	153	158
3×95+2×50	11.60	1.1	1.52	43.24	2333	≤0.320	≥0.290	185	188
3×120+2×70	13.00	1.2	1.52	48.04	2678	≤0.253	≥0.282	214	213
3×150+2×70	14.60	1.4	1.52	52.44	3016	≤0.206	≥0.294	242	237
3×185+2×95	16.20	1.6	1.90	56.44	3581	≤0.164	≥0.303	277	268
3×240+2×120	18.40	1.7	1.90	63.00	4669	≤0.125	≥0.283	335	318
3×300+2×150	20.60	1.8	1.90	65.60	5488	≤0.100	≥0.263	405	400
3×400+2×185	23.80	2.0	1.90	80.60	6646	≤0.0778	≥0.243	468	466

YJHLV₃₂(ACWU90) 0.6/1KV四芯交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₃₂(ACWU90) 0.6/1KV 4 cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
10	3.80	0.7	2.0	23.7	493	≤3.08	≥0.523	57	65
16	4.80	0.7	2.0	25.6	598	≤1.91	≥0.431	64	76
25	6.00	0.9	2.0	27.7	731	≤1.20	≥0.444	84	101
35	7.00	0.9	2.0	29.5	837	≤0.868	≥0.379	115	126
50	8.40	1.0	2.0	34.7	1190	≤0.641	≥0.355	141	152
70	10.00	1.1	2.5	38.0	1438	≤0.443	≥0.335	186	192
95	11.60	1.1	2.5	46.2	2138	≤0.320	≥0.290	239	248
120	13.00	1.2	3.0	50.1	2468	≤0.253	≥0.282	292	290
150	14.60	1.4	3.0	54.2	2921	≤0.206	≥0.294	339	329
185	16.20	1.6	3.0	58.4	3387	≤0.164	≥0.303	376	366
240	18.40	1.7	3.0	67.0	4570	≤0.125	≥0.283	405	383
300	20.60	1.8	3.5	72.7	5394	≤0.100	≥0.263	451	429
400	23.80	2.0	3.5	79.6	6551	≤0.0778	≥0.243	491	475

YJHLV₀₂(ACWU90) 0.6/1KV (4+1)芯交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₀₂(ACWU90)0.6/1KV (4+1) cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
4×16+1×10	4.80	0.7	2.0	26.4	667	≤1.91	≥0.431	64	77
4×25+1×16	6.00	0.9	2.0	28.9	808	≤1.20	≥0.444	88	97
4×35+1×16	7.00	0.9	2.0	31.6	977	≤0.868	≥0.379	115	125
4×50+1×25	8.40	1.0	2.0	35.9	1312	≤0.641	≥0.355	150	159
4×70+1×35	10.00	1.1	2.5	41.3	1671	≤0.443	≥0.335	178	183
4×95+1×50	11.60	1.1	2.5	48.4	2374	≤0.320	≥0.290	228	237
4×120+1×70	13.00	1.2	3.0	52.2	2761	≤0.253	≥0.282	279	287
4×150+1×70	14.60	1.4	3.0	55.6	3177	≤0.206	≥0.294	323	338
4×185+1×95	16.20	1.6	3.0	61.0	3811	≤0.164	≥0.303	359	364
4×240+1×120	18.40	1.7	3.0	69.4	5050	≤0.125	≥0.283	415	419
4×300+1×150	20.60	1.8	3.5	75.3	5970	≤0.100	≥0.263	461	466
4×400+1×185	23.80	2.0	3.5	82.3	7216	≤0.0778	≥0.243	529	535

YJHLV₀₂(ACWU90) 26/35KV三芯交联聚乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆
YJHLV₀₂(ACWU90) 26/35KV 3 cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
50	8.40	10.5	3.5	78.5	6517	≤0.641	4.79	168	176
70	10.00	10.5	3.6	82.2	7127	≤0.443	6.68	212	216
95	11.60	10.5	3.7	85.9	7783	≤0.320	9.68	256	260
120	13.00	10.5	3.8	89.1	8372	≤0.253	11.4	296	296
150	14.60	10.5	3.9	92.8	9089	≤0.206	14.2	336	336
185	16.20	10.5	4.0	96.5	9820	≤0.164	17.5	384	384
240	18.40	10.5	4.2	101.5	10976	≤0.125	22.6	468	464
300	20.60	10.5	4.4	106.6	12123	≤0.100	28.2	520	624
400	23.80	10.5	4.6	114.0	13492	≤0.0778	37.6	624	672
500	26.60	10.5	4.8	120.5	14852	≤0.0605	47.0	728	720

YJHLV₀₂(ACWU90) 8.7/10KV、8.7/15KV三芯交联聚乙烯绝缘铝合金带连锁铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV₀₂(ACWU90)8.7/10KV、8.7/15KV 3 cores XLPE insulated aluminum alloy tape interlock-armored PVC sheathed AL-R.E.-Iron alloy power cable

导线标称截面 Nominal cross sectional area of conductor (mm ²)	导体直径 Dia.of conductor mm	绝缘厚度 Insulation thickness (mm)	护套厚度 Thickness of sheath 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)	20℃时导体直流电阻D.C. Resistance at 20℃ Ω/km	绝缘电阻 Resistance of insulation MΩ/km	电缆载流量 Current rating	
								空气中 In the air (A)	直埋土壤中 Direct in soil(A)
25	6.00	4.5	2.6	39.24	≤1576	1.200	2.42	95	100
35	7.00	4.5	2.6	41.00	≤1723	0.868	3.37	122	127
50	8.40	4.5	2.8	44.96	≤2096	0.641	4.79	140	150
70	10.00	4.5	2.9	47.31	≤2336	0.443	6.68	175	180
95	11.60	4.5	3.0	53.12	≤2987	0.320	9.68	210	220
120	13.00	4.5	3.1	55.75	≤3297	0.253	11.4	235	245
150	14.60	4.5	3.2	58.67	≤3675	0.206	14.2	265	270
185	16.20	4.5	3.3	61.37	≤4044	0.164	17.5	305	310
240	18.40	4.5	3.6	68.38	≤5098	0.125	22.6	355	355
300	20.60	4.5	3.7	72.89	≤5802	0.100	28.2	400	400
400	23.80	4.5	3.8	78.45	≤6792	0.0778	37.6	445	445
500	26.60	4.5	4.0	87.35	≤8305	0.0605	47.0	490	490

