

YJHLV₂₂ 26/35KV三芯交联聚乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
YJHLV22 26/35KV 3 cores XLPE insulated steel tape armored PVC sheathed aluminum 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	短路电流 Short circuit current KA	电缆载流量 Current rating	
								在空气中 In the air (A)	直埋土壤中 Direct in soil(A)
50	8.40	10.5	3.90	90.44	9455.12	≦0.641	4.79	168	176
70	10.00	10.5	4.00	94.30	10177.8	≦0.443	6.68	212	216
95	11.60	10.5	4.10	97.96	10951.4	≦0.320	9.68	256	260
120	13.00	10.5	4.20	102.0	11693.6	≦0.253	11.4	296	296
150	14.60	10.5	4.30	105.04	12530.3	≦0.206	14.2	336	336
185	16.20	10.5	4.40	108.89	13433.8	≦0.164	17.5	384	384
240	18.40	10.5	4.60	114.24	14814.4	≦0.125	22.6	468	464
300	20.60	10.5	4.80	119.60	16190.8	≦0.100	28.2	520	624
400	23.80	10.5	5.00	124.78	17782.1	≦0.0778	37.6	624	672
500	26.60	10.5	5.20	130.11	18934.3	≦0.0605	47.0	728	720

聚氯乙烯绝缘聚氯乙烯护套 稀土铝合金电力电缆

产品特性:

导体采用紧压型稀土高铁铝合金导体；
绝缘层采用（阻燃）聚氯乙烯；
护套层采用（阻燃）环保型聚氯乙烯。

主要用途:

广泛应用于建筑工程和电气内部接线。其适用范围包括：建筑工程室内外照明、高层建筑、公共娱乐场所、图书馆、博物馆、医院、学校、机关、家庭住宅、家用电气、工厂电气内部接线、汽机车工业、高低压开关设备、动力控制台等。

产品使用要求:

与纯铝导体相比，稀土铝合金导体不仅经济性能优良而且具有优异的机械性能、安全性能、连接性能等多项特性。
导体：抗蠕变、高柔韧、连接稳定、强延展，低反弹。
电缆护套：采用环保型的PVC，可在潮湿场所安装，亦可直埋或敷设在水泥中使用。

产品使用特性:

- 1、可用于干燥或潮湿环境中，环境工作温度为75℃
 - 2、紧急超负荷温度为130℃，短路温度为160℃
 - 3、敷设电缆时的环境温度应不低于0℃。
- 根据用户需要可生产耐高温或耐低温电缆。

电缆的型号、名称及主要用途

型号	名称	使用范围
VHLV	聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆	敷设在室内、隧道内、管道中，电缆不能受机械外力作用。
VHLV ₂₂	聚氯乙烯绝缘聚氯乙烯护套钢带铠装稀土铝合金电力电缆	敷设在地下，电缆能承受机械外力作用，但不能承受大的拉力。

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”。



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
VHLV	1	10-400
	3	10-400
	3+1	16-400
	3+2	16-400
	4	10-400
	4+1	16-400
VHLV ₂₂	3	10-400
	3+1	16-400
	3+2	16-400
	4	10-400
	4+1	16-400

VHLV 0.6/1KV单芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆

VHLV 0.6/1KV single cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
10	3.80	1.00	1.80	9.40	118	≤3.08	57	62
16	4.80	1.00	1.80	10.40	147	≤1.91	76	80
25	6.00	1.20	1.80	12.00	198	≤1.20	99	101
35	7.00	1.20	1.80	13.00	238	≤0.868	119	120
50	8.40	1.40	1.80	14.80	314	≤0.641	146	146
70	10.00	1.40	1.80	16.40	396	≤0.443	183	178
95	11.60	1.60	1.80	18.40	508	≤0.320	232	223
120	13.00	1.60	1.80	19.80	593	≤0.253	269	259
150	14.60	1.80	1.80	21.80	726	≤0.206	330	310
185	16.20	2.00	1.80	23.80	865	≤0.164	356	326
240	18.40	2.20	1.80	26.40	1089	≤0.125	418	396
300	20.60	2.40	1.90	29.20	1322	≤0.100	470	410
400	23.80	2.60	2.00	33.00	1725	≤0.0778	540	480

VHLV 0.6/1KV三芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆

VHLV 0.6/1KV 3 cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
10	3.80	1.00	1.80	16.61	322	≤3.08	47	50
16	4.80	1.00	1.80	18.77	409	≤1.91	59	62
25	6.00	1.20	1.80	22.22	563	≤1.20	74	94
35	7.00	1.20	1.80	24.38	693	≤0.868	90	105
50	8.40	1.40	1.80	24.31	856	≤0.641	107	130
70	10.00	1.40	1.90	27.31	1096	≤0.443	133	160
95	11.60	1.60	2.10	32.98	1473	≤0.320	160	195
120	13.00	1.60	2.20	35.18	1749	≤0.253	187	215
150	14.60	1.80	2.30	38.44	2163	≤0.206	214	240
185	16.20	2.00	2.50	42.50	2625	≤0.164	241	271
240	18.40	2.20	2.70	47.76	3351	≤0.125	309	319
300	20.60	2.40	2.90	53.80	4021	≤0.100	369	379
400	23.80	2.60	3.10	59.98	4835	≤0.0778	434	452

VHLV 0.6/1KV (3+1)芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆

VHLV 0.6/1KV (3+1) cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
3×16+1×10	4.80	1.00	1.80	19.87	478	≤1.91	59	62
3×25+1×16	6.00	1.20	1.80	23.36	656	≤1.20	64	88
3×35+1×16	7.00	1.20	1.80	25.17	781	≤0.868	85	105
3×50+1×25	8.40	1.40	1.90	26.55	1013	≤0.641	104	130
3×70+1×35	10.00	1.40	2.00	29.75	1290	≤0.443	133	160
3×95+1×50	11.60	1.60	2.10	34.67	1711	≤0.320	160	195
3×120+1×70	13.00	1.60	2.30	37.27	2075	≤0.253	187	215
3×150+1×70	14.60	1.80	2.40	41.00	2496	≤0.206	214	240
3×185+1×95	16.20	2.00	2.50	44.92	3038	≤0.164	241	270
3×240+1×120	18.40	2.20	2.70	50.04	3838	≤0.125	309	310
3×300+1×150	20.60	2.40	2.90	56.23	4798	≤0.100	379	379
3×400+1×185	23.80	2.60	3.10	63.04	5011	≤0.0778	434	452

VHLV 0.6/1KV (3+2)芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆
VHLV 0.6/1KV (3+2) cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
3×16+2×10	4.8	1.00	1.80	23.48	599	≤1.91	54	56
3×25+2×16	6.0	1.20	1.80	27.68	818	≤1.20	73	80
3×35+2×16	7.0	1.20	1.90	29.88	956	≤0.868	87	96
3×50+2×25	8.4	1.40	2.10	35.48	1335	≤0.641	101	122
3×70+2×35	10.0	1.40	2.20	39.88	1715	≤0.443	126	151
3×95+2×50	11.6	1.60	2.40	35.27	1986	≤0.320	151	184
3×120+2×70	13.0	1.60	2.50	37.67	2387	≤0.253	176	203
3×150+2×70	14.6	1.80	2.70	41.60	2854	≤0.206	201	226
3×185+2×95	16.2	2.00	2.90	45.72	3528	≤0.164	227	254
3×240+2×120	18.4	2.20	3.10	49.80	4256	≤0.125	291	292
3×300+2×150	20.6	2.40	3.30	54.97	4998	≤0.100	351	356
3×400+2×185	23.8	2.60	3.50	61.23	6545	≤0.0778	416	423

VHLV 0.6/1KV四芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆
VHLV 0.6/1KV 4 cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
10	3.80	1.00	1.80	18.12	398	≤3.08	45	47
16	4.80	1.00	1.80	20.54	500	≤1.91	54	56
25	6.00	1.20	1.80	24.41	689	≤1.20	73	80
35	7.00	1.20	1.80	26.83	844	≤0.868	87	96
50	8.40	1.40	1.90	27.84	1120	≤0.641	107	130
70	10.00	1.40	2.10	32.04	1455	≤0.443	133	160
95	11.60	1.60	2.20	36.20	1909	≤0.320	160	195
120	13.00	1.60	2.30	39.20	2279	≤0.253	187	215
150	14.60	1.80	2.50	43.17	2842	≤0.206	214	240
185	16.20	2.00	2.70	47.54	3444	≤0.164	241	270
240	18.40	2.20	2.90	51.23	4128	≤0.125	301	310
300	20.60	2.40	3.10	55.33	4809	≤0.100	367	376
400	23.80	2.60	3.30	59.97	5634	≤0.0778	429	432

VHLV 0.6/1KV (4+1)芯聚氯乙烯绝缘聚氯乙烯护套稀土铝合金电力电缆
VHLV 0.6/1KV (4+1) cores PVC insulated 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
4×16+1×10	4.80	1.00	1.8	22.06	613	≤1.91	54	56
4×25+1×16	6.00	1.20	1.8	25.91	863	≤1.20	73	80
4×35+1×16	7.00	1.20	1.8	28.12	988	≤0.868	87	96
4×50+1×25	8.40	1.40	2.0	29.60	1406	≤0.641	101	122
4×70+1×35	10.00	1.40	2.1	33.60	1791	≤0.443	126	151
4×95+1×50	11.60	1.60	2.3	39.00	2067	≤0.320	151	184
4×120+1×70	13.00	1.60	2.5	44.00	2538	≤0.253	176	203
4×150+1×70	14.60	1.80	2.6	48.60	3041	≤0.206	201	226
4×185+1×95	16.20	2.00	2.8	53.00	3797	≤0.164	227	254
4×240+1×120	18.40	2.20	3.0	59.40	4801	≤0.125	291	292
4×300+1×150	20.60	2.40	3.2	62.60	5870	≤0.100	351	356
4×400+1×185	23.80	2.60	3.6	81.70	7943	≤0.0778	416	423

VHLV₂₂ 0.6/1KV三芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
VHLV₂₂ 0.6/1KV 3 cores PVC insulated steel tape 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
10	3.80	1.00	1.80	20.53	569	≤3.08	47	50
16	4.80	1.00	1.80	22.69	686	≤1.91	59	62
25	6.00	1.20	1.80	26.14	889	≤1.20	74	94
35	7.00	1.20	2.00	28.30	1049	≤0.868	90	105
50	8.40	1.40	2.00	29.83	1549	≤0.641	107	130
70	10.00	1.40	2.10	32.83	1866	≤0.443	133	160
95	11.60	1.60	2.30	38.50	2389	≤0.320	160	195
120	13.00	1.60	2.40	40.70	2722	≤0.253	187	215
150	14.60	1.80	2.50	43.96	3220	≤0.206	214	240
185	16.20	2.00	2.70	48.02	3785	≤0.164	241	271
240	18.40	2.20	2.90	53.28	4647	≤0.125	309	319
300	20.60	2.40	3.10	58.56	5434	≤0.100	369	379
400	23.80	2.60	3.30	64.01	6299	≤0.0778	434	452

VHLV₂₂ 0.6/1KV (3+1)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
VHLV₂₂ 0.6/1KV (3+1) cores PVC insulated steel tape 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
3×16+1×10	4.80	1.00	1.80	23.79	770	≤1.91	59	62
3×25+1×16	6.00	1.20	1.80	27.28	997	≤1.20	64	88
3×35+1×16	7.00	1.20	1.90	29.29	1161	≤0.868	85	105
3×50+1×25	8.40	1.40	2.10	32.07	1763	≤0.641	104	130
3×70+1×35	10.00	1.40	2.20	35.27	2123	≤0.443	133	160
3×95+1×50	11.60	1.60	2.30	40.19	2672	≤0.320	160	195
3×120+1×70	13.00	1.60	2.40	42.59	3081	≤0.253	187	215
3×150+1×70	14.60	1.80	2.60	46.52	3619	≤0.206	214	240
3×185+1×95	16.20	2.00	2.70	50.44	4263	≤0.164	241	270
3×240+1×120	18.40	2.20	2.90	55.56	5195	≤0.125	309	310
3×300+1×150	20.60	2.40	3.10	60.66	6078	≤0.100	379	379
3×400+1×185	23.80	2.60	3.30	65.98	7123	≤0.0778	434	452

VHLV₂₂ 0.6/1KV (3+2)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
VHLV₂₂ 0.6/1KV (3+2) cores PVC insulated steel tape 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
3×16+1×10	4.80	1.00	1.80	23.79	770	≤1.91	54	56
3×25+1×16	6.00	1.20	1.80	27.28	997	≤1.20	73	80
3×35+1×16	7.00	1.20	1.90	29.29	1161	≤0.868	87	96
3×50+1×25	8.40	1.40	2.10	32.07	1763	≤0.641	101	122
3×70+1×35	10.00	1.40	2.20	35.27	2123	≤0.443	126	151
3×95+1×50	11.60	1.60	2.30	40.19	2672	≤0.320	151	184
3×120+1×70	13.00	1.60	2.40	42.59	3081	≤0.253	176	203
3×150+1×70	14.60	1.80	2.60	46.52	3619	≤0.206	201	226
3×185+2×95	16.20	2.00	3.00	51.04	4739	≤0.164	227	254
3×240+2×120	18.40	2.20	3.20	55.22	5608	≤0.125	291	292
3×300+2×150	20.60	2.40	3.40	59.89	6512	≤0.100	351	356
3×400+2×185	23.80	2.60	3.60	65.43	8904	≤0.0778	416	423

VHLV₂₂ 0.6/1KV四芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
VHLV₂₂ 0.6/1KV 4 cores PVC insulated steel tape 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
10	3.80	1.00	1.80	22.04	657	≤3.08	45	47
16	4.80	1.00	1.80	24.46	802	≤1.91	54	56
25	6.00	1.20	1.80	28.33	1045	≤1.20	73	80
35	7.00	1.20	2.00	32.35	1604	≤0.868	87	96
50	8.40	1.40	2.10	33.36	1904	≤0.641	107	130
70	10.00	1.40	2.20	37.36	2329	≤0.443	133	160
95	11.60	1.60	2.40	41.72	2909	≤0.320	160	195
120	13.00	1.60	2.50	44.72	3357	≤0.253	187	215
150	14.60	1.80	2.70	48.69	4021	≤0.206	214	240
185	16.20	2.00	2.80	52.86	4709	≤0.164	241	270
240	18.40	2.20	3.00	58.05	5512	≤0.125	301	310
300	20.60	2.40	3.20	63.11	6456	≤0.100	367	376
400	23.80	2.60	3.40	69.32	7403	≤0.0778	429	432

VHLV₂₂ 0.6/1KV (4+1)芯聚氯乙烯绝缘钢带铠装聚氯乙烯护套稀土铝合金电力电缆
VHLV₂₂ 0.6/1KV (4+1) cores PVC insulated steel tape 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	电缆载流量 Current rating	
							在空气中 In the air(A)	直埋土壤中 Direct in soil(A)
4×16+1×10	4.80	1.00	1.8	24.36	988	≤1.91	54	56
4×25+1×16	6.00	1.20	1.8	28.71	1667	≤1.20	73	80
4×35+1×16	7.00	1.20	1.9	31.32	1879	≤0.868	87	96
4×50+1×25	8.40	1.40	2.1	33.00	2372	≤0.641	101	122
4×70+1×35	10.00	1.40	2.2	38.20	2897	≤0.443	126	151
4×95+1×50	11.60	1.60	2.4	43.80	2993	≤0.320	151	184
4×120+1×70	13.00	1.60	2.6	49.00	3600	≤0.253	176	203
4×150+1×70	14.60	1.80	2.7	53.80	4235	≤0.206	201	226
4×185+1×95	16.20	2.00	2.9	58.40	5120	≤0.164	227	254
4×240+1×120	18.40	2.20	3.1	65.00	6308	≤0.125	291	292
4×300+1×150	20.60	2.40	3.3	68.60	7512	≤0.100	351	356
4×400+1×185	23.80	2.60	3.7	85.30	9904	≤0.0778	416	423