Voltage

0.6KV----35KV

Construction

Sino-cables YJLHVS2 type is constructed with AA-8000 series aluminum alloy, compact stranded conductor. The cable consists of one, two, three or four insulated phase-identified conductors plus an insulated grounding conductor inside interlocked aluminum alloy armor. The entire assembly is covered with a PVC jacket for added durability and protection.

Standard

GB/T 12706; GB/T 31840; IEC60502, or other standards required by customers.

Features

1. the operating temperature: -40 ℃ ----90 ℃ , Conductor insulation is free of harmful heavy metals in compliance with RoHS.
2. good bendability, high elongation and flexibility, low spring-back, excellent properties of creep resistance, anti-corrosion and anti-oxidant, stable connection, sunlight resistant.
3. fire resistant as NH, fire retardant as ZR, low smoke halogen free as WDZ, or other requirements by customers.
4. Bending radius is only 7 times of the outer diameter of the cable and lightweight, which makes installation easier.
5. Quick, easy one-step installation designed to save time, money, and energy, YJLHVS2 type AA8000 aluminum alloy cable replaces copper power cable overwhelmingly.

Applications

1. Sino-cables YJLHVS2 type can be applied to Branch, feeder and service power distribution under high ambient temperature in commercial, industrial, institutional, and multi-residential buildings.
2. YJLHVS2 is also suitable for direct burial applications, installation in concrete and where exposed to cinder fills, strong chlorides, caustic alkalis, or vapors of chlorine or of hydrochloric acids.
3. designed for both above-ground and underground applications in dry or wet locations; Power, lighting, control, and signal circuits；Fished or embedded in plaster；Concealed or exposed installations；as aerial cable on a messenger；Installation in cable tray and approved raceways.
4. Class I Div. 2, Class II Div 2, & Class III Div. 1 Hazardous Location.

Yongtong Avenue,
Rudong Economic Development Area,
Jiangsu,China 226400

0.6/1KV YJLHVS2 Physical Index

Nominal C.S.A. of conductor (mm²)	Approx. overall diameter of cable （mm）							Approx. weight of cable（KG/KM)						
	2 core	3 core	4 core	5 core	3+1 core	3+2 core	4+1 core	2 core	3 core	4 core	5 core	3+1 core	3+2 core	4+1 core
10	22.2	23.1	24.4	25.9	24.0	25.1	25.5	385	448	514	587	492	534	557
16	24.4	25.4	27.1	28.9	26.4	27.7	28.3	484	566	647	737	606	687	705
25	27.4	28.7	30.7	33.0	29.2	31.3	32.3	595	707	854	984	795	889	946
35	29.6	31.1	33.6	36.2	31.8	33.3	34.9	704	864	1014	1197	984	1075	1123
50	32.9	34.6	37.7	40.9	35.9	37.7	39.2	885	1075	1309	1575	1193	1309	1407
70	36.3	38.4	42.1	45.7	40.0	42.1	44.9	1086	1353	1755	2007	1547	1759	1910
95	39.3	41.7	45.8	49.9	43.8	46.3	48.2	1284	1705	2131	2511	1896	2184	2316
120	43.1	45.8	50.4	55.2	48.3	51.5	53.2	1602	1988	2574	3044	2288	2696	2887
150	47.3	50.5	55.7	60.8	52.1	55.0	58.0	1913	2481	3093	3732	2742	3102	3413
185	51.6	54.9	60.7	66.4	56.9	60.0	64.3	2272	2953	3778	4477	3348	3946	4262
240	57.7	61.3	67.8	74.2	63.4	66.8	70.6	2739	3631	4678	5596	4093	4631	5216
300	62.4	66.1	73.2	80.4	68.8	72.9	77.6	3330	4341	5624	6764	4881	5640	6215
400	70.1	74.1	82.2	90.3	76.5	81.1	86.6	4189	5631	7189	8673	6213	7120	8862
500	76.9	81.9	90.6	99.7	84.4	90.0	95.7	5090	6879	8784	10505	7636	8617	9639
630	86.1	90.9	100.7	110.9	91.9	98.4	104.5	6203	8449	10653	12952	9373	10319	11708

0.6/1KV YJLHVS2 Ampacity

Nominal C.S.A. of conductor (mm²)	Dia. of conductor （mm）	Insulation thickness （mm）	D.C. Resistance at 20℃ （Ω/km）	Resistance of insulation （M Ω/km）	Current rating（A）	
					In the air	Direct in soil
10	3.8	0.7	≦3.080	≧5.23×104	55	62
16	4.8	0.7	≦1.910	≧4.31×104	73	81
25	6.0	0.9	≦1.200	≧4.44×104	97	105
35	7.0	0.9	≦0.868	≧3.79×104	119	124
50	8.4	1.0	≦0.641	≧3.55×104	149	148
70	10.0	1.1	≦0.443	≧3.35×104	184	181
95	11.6	1.1	≦0.320	≧2.90×104	223	218
120	13.0	1.2	≦0.253	≧2.82×104	260	247
150	14.6	1.4	≦0.206	≧2.94×104	300	280
185	16.2	1.6	≦0.164	≧3.03×104	343	318
240	18.4	1.7	≦0.125	≧2.83×104	403	370
300	20.6	1.8	≦0.100	≧2.63×104	464	428
400	23.8	2.0	≦0.0778	≧2.59×104	571	499
500	26.5	2.2	≦0.0605	≧2.56×104	631	530
630	30.0	2.4	≦0.0469	≧2.49×104	725	625

In the air: 40℃ Direct in soil: 25℃, the coefficient of Soil thermal resistance 1.2Km/w

JSGGG
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