



Voltage

0.6KV----35KV

Construction

Sino-cables YJLHS type is constructed with AA-8000 series aluminum alloy, compact stranded conductor. The conductor is extruded with XLPE(cross-linked polyethylene) insulation. Twisted assembly wrapped with a binder and covered with 5000 series aluminum alloy interlocking armor.

Standard

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

Features

1. the operating temperature: -40°C ---- 90°C , 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.
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 without pipeline wiring and threading.
5. Quick, easy one-step installation designed to save time, money, and energy, YJLHS type AA8000 aluminum alloy cable replaces copper power cable overwhelmingly.

Applications

YJLHS Type cable has been widely applied to the installation of both overhead and underground wires only in dry environments, approved for use in service, feeder and branch circuits.



www.sino-cables.com

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

0.6/1KV YJLHS Physical Index

Nominal C.S.A. Of conductor (mm ²)	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	18.1	19.0	20.4	21.8	19.9	21.1	21.5	190	236	288	341	271	308	325
16	20.3	21.4	23.1	24.8	22.4	23.6	24.2	251	318	392	467	366	416	442
25	23.4	24.6	26.7	28.9	25.8	27.3	28.1	346	448	558	670	517	589	629
35	25.6	27.0	29.4	31.9	27.8	29.0	30.5	431	565	709	854	630	699	777
50	28.8	30.5	33.3	36.2	31.6	33.3	34.8	561	747	944	1143	848	954	1048
70	32.2	34.2	37.4	40.8	35.4	37.3	39.0	724	977	1242	1510	1109	1248	1379
95	35.1	37.2	40.8	44.6	38.9	41.3	42.9	901	1230	1573	1919	1416	1609	1764
120	38.6	41.1	45.2	49.5	43.2	46.0	47.8	1098	1509	1936	2367	1763	2024	2196
150	42.7	45.5	50.1	55.0	46.9	49.3	52.1	1339	1854	2387	2923	2101	2358	2640
185	46.5	49.6	54.7	60.0	51.2	53.9	57.0	1610	2243	2897	3554	2636	2943	3227
240	52.0	55.6	61.4	67.6	57.3	60.4	64.0	2011	2821	3653	4491	3224	3641	4066
300	56.2	60.0	66.4	73.2	62.3	65.9	69.5	2420	3417	4439	5465	3926	4449	4957
400	63.2	67.7	74.9	82.7	69.8	73.7	78.2	3116	4430	5773	7121	5054	5694	6408
500	69.8	74.8	82.9	91.6	77.5	82.0	86.8	3813	5447	7113	8785	6248	7067	7926
630	77.7	83.3	92.4	102.2	84.6	89.4	95.3	4705	6751	8833	10923	7598	8478	9697

0.6/1KV YJLHS Ampacity

Nominal C.S.A. Of conductor (mm ²)	Dia.of conductor(mm)	Insulation thickness(mm)	D.C. Resistance at 20°C (Ω/KM)	Resistance of insulation(M Ω/KM)	Current rating
					In the air(A)
10	3.8	0.7	≤3.080	≥5.23×10 ⁴	52
16	4.8	0.7	≤1.910	≥4.31×10 ⁴	70
25	6.0	0.9	≤1.200	≥4.44×10 ⁴	92
35	7.0	0.9	≤0.868	≥3.79×10 ⁴	113
50	8.4	1.0	≤0.641	≥3.55×10 ⁴	143
70	10.0	1.1	≤0.443	≥3.35×10 ⁴	170
95	11.6	1.1	≤0.320	≥2.90×10 ⁴	217
120	13.0	1.2	≤0.253	≥2.82×10 ⁴	254
150	14.6	1.4	≤0.206	≥2.94×10 ⁴	294
185	16.2	1.6	≤0.164	≥3.03×10 ⁴	338
240	18.4	1.7	≤0.125	≥2.83×10 ⁴	399
300	20.6	1.8	≤0.100	≥2.63×10 ⁴	461
400	23.8	2.0	≤0.0778	≥2.59×10 ⁴	563
500	26.5	2.2	≤0.0605	≥2.56×10 ⁴	636
630	30.0	2.4	≤0.0469	≥2.49×10 ⁴	720

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