

Brief Introduction

Jinshui Wire & Cable Group, established in the year of 2001, is located in Zhengzhou, Henan Province. Group consists of 3 subsidiary companies which are Zhengzhou Jinshui Industry & Commerce Co.,Ltd; Zhengzhou Huibang Wire & Cable Co.,Ltd as well as Zhengzhou Baite Cable Factory. Jinshui has passed ISO9001 and CE certification. With strong capability of R&D and aims of providing superior products to our customers.

Our product range is as following:

Bare conductors (AAC, AAAC, ACSR, Galvanized steel wire)

Aerial Bounded Cable (Duplex, Triplex, Quadruplex)

PVC insulated wire (Rated voltage to 450/750V)

PVC insulated Power Cable

XLPE insulated Power Cable

Rubber sheathed Cable

Control Cable

Welding Cable

Cable Accessories

Products above can be manufactured in accordance with the standard of GB, IEC, BS, DIN, ASTM, JIS, NF and AS/NZS, etc. Meanwhile, we are able to produce special products based on customer's requirements.

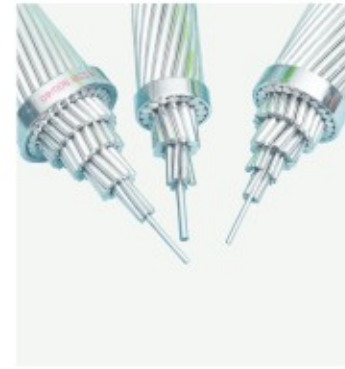
Through more than 10 years' development, our products have been exported to North America, South America, Africa, Middle East, as well as other Asian countries. We have established long-term business relationship with many esteemed companies over the world. As a global company, Jinshui Wire and Cable Group is devoted to introduce international advanced equipments and technology to produce perfect products by applying exquisite technique and strict quality control management.



- Specialized Quality, Green Protection
- Pursuing Brilliance, Creating Future

**People-Oriented
Technological Innovation
Environment-Friendly
Professional Quality**

Round Wire Concentric Lay Aerial Electrical Stranded Conductor



1. Standard and Scope of Application

The products are used for aerial electric power transmission according to the standard GB/T 1179-2008.

2. Specific Property for using

- 1.The permissible long-time operating temperature for aerial conductor is 70°C.
- 2.The circumstance that long distance rare climate and ice coverage rare occurring in heavy ice area, the most biggest stress of cable at the lowest arc downing point should not exceed 60% of the destructive power at a short time.

3.When connecting conductors, the conductor near to the connecting tube can't be prominent, Otherwise, the force on the operating conductors will be unbalanced after connectors are pressed, the connecting tube should be plated by moistureproof paint in order to protect from corrosion.

4. Under installation, the arc downing stress of all the conductors at home distance to the ground and across building can be 10-15% higher than regular tension.

3. Chinese Standard

New Type	Original Type	Name	Range of Section Area
JL	LJ	ALL Aluminum Conductor	10~1500
JL/G1A, JL/G1B, JL/G2A JL/G2B, JL/G3A	LGJ	Aluminum Conductor Steel Reinforced	16~1250
JL/G1AF, JL/G2AF, JL/G3AF	LGJF	Anti-corrosion Aluminum Conductor Steel Reinforced	16~1250
JLHA1, JLHA2	LHAJ	ALL Aluminum Alloy Conductor	16~1250
JLHA1/G1A, JLHA1/G1B, JLHA1/G3A JLHA2/G1A, JLHA2/G1B, JLHA1/G3A	LHAGJ	Aluminum Alloy Conductor Steel Reinforced	16~1120
JL/LHA1, JL/LHA2	LLHAGJ	Aluminum Conductor Aluminum Alloy Reinforced	16~1400
JL/LB1A	LLBGJ	Aluminum Conductor Aluminum Clad Steel Reinforced	16~1250
JLHA2/LB1A, JLHA1/LB1A	LHALBGJ	Aluminum Alloy Conductor Aluminum Clad Steel Reinforced	16~1250
JG1A, JG1B, JG2A, JG3A	GJ	ALL Steel Stranded Conductor	(27.1~427mm ²)
JLB1A, JLB1B, JLB2	LBGJ	Aluminum Clad Steel Conductor	(12~600mm ²)

Round Wire Concentric Lay Aerial Electrical Stranded Conductor

4. British Standard (BS)

1.Zinc coating on galvanized steel wire is in accordance with BS443-69

Dia.(mm) over up to and including	Weight of Zinc Coating (g/m ²)	Uniformity of Coating No. of 1 min. Immersion (n/min.)	Adhesion of Coating Mandrel Dia.
1.55	1.80	200	2
1.80	2.24	215	2
2.24	2.72	230	25
2.72	3.15	240	3
3.15	3.55	250	3
3.55	4.25	260	3
4.25	5.00	275	35

Up to and including 3.8 mm is 4 times Dia.
Over 3.8 mm is 5 times Dia.

2.All aluminum conductor is in accordance with BS215-1

Nominal Area (mm ²)	Stranding Wire No. and Dia. (No./mm)	Calculated Area (mm ²)	Approx. Overall Dia. (mm)	Approx. Weight (kg/kin)	Calculated Min. Breaking Load (KN)	Calculated DC Resistance at 20°C (Ω/km)	Code Name
22	7/2.06	23.33	6.18	63.88	3.99	1.2270	Midge
25	7/2.21	26.85	6.63	73.53	4.59	1.0660	Gnat
35	7/2.59	36.88	7.77	101.00	6.02	0.7762	Mosquito
50	7/3.10	52.83	9.30	144.70	8.28	0.5419	Ant
60	7/3.40	63.55	10.20	174.00	9.90	0.4505	Fly
70	7/3.78	78.54	11.34	215.10	11.97	0.3645	Earwing
100	7/4.39	106.00	13.17	290.20	16.00	0.2702	Wasp
150	19/3.25	157.60	16.25	433.60	25.70	0.1825	Hornet
200	19/3.78	213.20	18.90	586.60	32.40	0.1349	Chafer
250	19/4.22	265.70	21.10	731.20	40.40	0.1083	Cockroach
300	19/4.65	322.70	23.25	887.70	48.75	0.08916	Butterfly
350	37/3.78	327.60	25.06	1021.00	57.29	0.07739	Drone
400	37/4.09	415.20	26.46	1145.00	63.10	0.06944	Centipede
450	37/4.09	486.20	28.63	1341.00	73.82	0.05930	Maybug
500	37/4.27	529.80	27.89	1461.00	80.14	0.05442	Scorpion
600	37/4.65	628.30	32.5	1732.00	94.91	0.04590	Cicada

Round Wire Concentric Lay Aerial Electrical Stranded Conductor

2. Aluminum conductor steel reinforced is in accordance with BS215-2

Nominal Area (mm ²)	Stranding Wire No. and Dia. (No./mm)		Calculated Area (mm ²)			Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Calculated Min. Breaking Load (KN)	Calculated DC Resistance at 20°C (Ω/km)	Code Name
	Al.	St.	Al.	St.	Total.					
20	6/2.11	1/2.11	20.98	3.50	24.48	6.33	84.85	7.90	1.368	Squirrel
25	6/2.36	1/2.36	26.24	4.37	30.62	7.08	106.10	9.61	1.0930	Gopher
30	6/2.59	1/2.59	31.61	5.27	36.88	7.77	127.80	11.45	0.9077	Weasel
40	6/3.00	1/3.00	42.41	7.07	49.48	9.00	171.50	15.20	0.6766	Ferret
50	6/3.35	1/3.35	52.88	8.81	61.70	10.05	213.80	18.35	0.5426	Rabbit
60	6/3.66	1/3.66	63.12	10.52	73.64	10.98	255.30	21.77	0.4546	Mink
60	12/2.59	7/2.59	63.23	36.88	100.10	12.95	463.60	52.94	0.4566	Skunk
70	12/2.79	7/2.79	73.37	42.80	116.20	13.95	538.10	61.20	0.3936	Horse
75	6/4.09	1/4.09	78.84	13.14	91.98	12.27	318.90	27.05	0.3639	Raccoon
100	6/4.72	7/1.57	105.00	13.55	118.50	14.15	394.30	32.70	0.2733	Dog
150	30/2.59	7/2.59	158.10	36.88	194.90	18.13	725.70	69.20	0.1828	Wolf
150	18/3.35	1/3.35	158.70	8.81	167.50	16.75	505.70	35.70	0.1815	Dingo
175	30/2.79	7/2.79	183.40	42.80	226.20	19.53	842.40	79.80	0.1576	Lynx
175	18/3.61	1/3.61	184.30	10.24	194.50	18.05	587.60	41.10	0.1563	Caracal
200	30/3.00	7/3.00	212.10	49.48	261.50	21.00	973.80	92.25	0.1363	Panther
200	18/3.86	1/3.86	210.60	11.70	222.30	19.30	671.40	46.55	0.1367	Jaguar
250	30/3.35	7/3.35	264.40	61.70	326.10	23.45	1241.00	111.40	0.1093	Bear
300	30/3.71	7/3.71	324.30	75.67	400.00	25.97	1489.00	135.70	0.08912	Goat
300	18/4.78	7/1.68	323.10	15.52	338.60	24.16	1012.00	69.64	0.08914	Batang
350	54/3.00	7/3.00	381.70	49.48	431.20	27.00	1443.00	120.70	0.07572	Bison
400	54/3.18	7/3.18	428.90	55.59	484.50	28.62	1022.00	131.90	0.06741	Zebra
450	30/4.50	7/4.50	447.00	111.3	588.30	31.50	2190.00	198.30	0.06057	Elk
450	54/3.35	7/3.35	476.00	61.70	537.30	30.15	1800.00	146.20	0.06074	Camel
10	6/1.50	1/1.50	10.62	1.77	12.39	4.50	43	4.13	2.7060	Mole
35	6/2.79	1/2.79	36.66	6.11	42.77	8.37	149	13.17	0.7822	Fox
70	6/3.99	1/3.99	75.00	12.50	87.50	11.97	304	25.76	0.3825	Beaver
80	6/4.22	1/4.22	83.94	13.99	97.93	12.66	339	28.80	0.3419	Otter
90	6/4.50	1/4.50	95.40	15.90	111.30	13.50	386	32.70	0.3007	Cat
100	6/4.72	1/4.72	14.16	17.50	105.00	14.16	424	35.90	0.2733	Hare
100	7/4.39	7/1.93	105.95	20.48	126.43	14.57	450	41.00	0.2702	Hyena
125	6/5.28	7/1.75	131.37	16.84	148.21	15.81	492	40.80	0.2184	Leopard
125	26/2.54	7/1.91	131.74	20.06	131.74	15.89	520	46.30	0.2191	Coyote
125	18/3.05	1/3.05	131.58	7.31	138.89	15.25	419	30.00	0.2190	Cougar
125	30/2.36	7/2.36	131.22	30.62	161.84	16.52	602	58.00	0.2202	Tiger
225	30/3.18	7/3.18	238.30	55.60	293.90	22.26	1094	100.50	0.1213	Lion
500	54/3.53	7/3.53	528.50	68.50	597.00	31.77	1996	161.00	0.0547	Moose

Round Wire Concentric Lay Aerial Electrical Stranded Conductor

5.American Standard(ASTM)

1.Galvanized steel wire for aluminum conductor steel reinforced is in accordance with ASTM B498

Range of Diameter (in.) (mm)	Tolerance of Dia. Plus Minus (mm)		Min. Stress at 1% Elongation (N/mm ²)	Min. Tensile Strength (N/mm ²)	Min. Elongation in 10 in. (%)	Weight of Zinc Coating (g/m ²)	Ratio of Mandrel Diameter to Wire OD for Adherence Test
0.0500-0.0599	1.270-1.521	0.038 0.025	1310	1450	3.0	183	3
0.0600-0.0749	1.524-1.902	0.038 0.025	1310	1450	3.0	198	3
0.0750-0.0899	1.905-2.283	0.051 0.051	1310	1450	3.0	214	3
0.0900-0.1039	2.286-2.639	0.051 0.051	1280	1410	3.5	229	4
0.1040-0.1199	2.642-3.045	0.051 0.051	1280	1410	3.5	244	4
0.1200-0.1399	3.048-3.553	0.076 0.051	1240	1410	4.0	259	4
0.1400-0.1799	3.556-4.569	0.102 0.076	1170	1380	4.0	274	5
0.1800-0.1899	4.572-4.822	0.102 0.076	1170	1380	4.0	305	5

2.Aluminum wire for aluminum conductor steel reinforced is in accordance with ASTM B230

Range of Diameter (in.) (mm)	Tolerance of Dia. (mm)	Tensile Strength Average Individual (N/mm ²)		Elongation in 10 in. Average Individual (%)		Resistivity at 200C Average Individual (Ωmm ² /m)	
0.2100~0.1801	5.334~4.575	±1%	165 159	2.1 2.0	0.028172	0.028264	
0.1800~0.1501	5.572~3.813	±1%	165 159	2.0 1.9	0.028172	0.028264	
0.1500~0.1401	3.810~3.559	±1%	169 162	1.9 1.8	0.028172	0.028264	
0.1400~0.1201	3.556~3.051	±1%	172 162	1.8 1.7	0.028172	0.028264	
0.1200~0.1101	3.048~2.797	±1%	176 165	1.7 1.6	0.028172	0.028264	
0.1100~0.1001	2.794~2.545	±1%	179 169	1.6 1.5	0.028172	0.028264	
0.1000	2.540	±1%	186 176	1.6 1.5	0.028172	0.028264	
0.0999~0.0901	2.537~2.289	±0.025	186 176	1.6 1.5	0.028172	0.028264	
0.0900~0.0801	2.286~2.035	±0.025	190 179	1.6 1.5	0.028172	0.028264	
0.0800~0.0701	2.032~1.781	±0.025	193 183	1.6 1.4	0.028172	0.028264	
0.0700~0.0601	1.778~1.527	±0.025	197 186	1.5 1.3	0.028172	0.028264	
0.0600~0.0501	1.524~1.273	±0.025	200 186	1.4 1.2	0.028172	0.028264	

Round Wire Concentric Lay Aerial Electrical Stranded Conductor

3.Aluminum conductor steel reinforced is in accordance with ASTM B232

Aluminum Section Area Cir.mils or AWG (mm ²)	Stranding No.and Dia. (No./mm)		Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Calculated Breaking Load (KN)	Calculated DC Resistance at 20°C (Ω/km)	Code Name	
	AL	St.						
6	13.30	6/1.68	1/1.68	5.04	53.75	5,303	2.157	Turkey
4	21.18	6/2.12	1/2.12	6.36	85.57	8,302	2.335	Swan
4	21.12	7/1.96	1/2.61	6.53	99.56	10,642	1.352	Swanate
2	33.59	6/2.67	1/2.67	8.01	135.70	12,653	0.854	Sparrow
2	33.54	7/2.47	1/3.30	8.24	158.60	16,171	0.852	Sparate
1	42.41	6/3.00	1/3.00	9.00	171.40	15,852	0.676	Robin
1/0	53.52	6/3.37	1/3.37	10.10	216.20	19,455	0.536	Raven
2/0	67.32	6/3.78	1/3.78	11.30	272.00	23,529	0.426	Quail
3/0	85.14	6/4.25	1/4.25	12.80	344.00	29,417	0.337	Pigeon
4/0	107.20	6/4.77	1/4.77	14.30	433.40	37,055	0.268	Penguin
266800	135.00	18/3.09	1/3.09	15.50	430.50	30,519	0.213	Waxwing
266800	134.90	26/2.57	7/2.00	16.30	545.40	26,403	0.214	Partridge
300000	152.20	26/2.73	7/2.12	17.30	614.60	56,410	0.190	Ostrich
336400	170.20	18/3.47	1/3.47	17.40	542.90	38,487	0.169	Merlin
336400	170.60	26/2.89	7/2.25	18.30	689.90	62,918	0.169	Linnet
336400	170.50	30/2.69	7/2.69	18.80	784.50	77,267	0.170	Oriole
397500	201.60	24/3.27	7/2.18	19.60	762.50	65,099	0.143	Brant
397500	201.30	26/3.14	7/2.44	19.90	813.50	72,426	0.143	Ibis
397500	200.90	30/2.92	7/2.92	20.40	924.40	90,485	0.144	Lark
477000	242.3	18/4.14	1/4.14	20.70	772.60	52,302	0.119	Pelican
477000	241.7	24/3.58	7/2.39	21.50	914.90	73,243	0.120	Flicker
477000	241.6	26/3.44	7/2.67	21.80	975.50	86,011	0.120	Hawk
477000	241.3	30/3.20	7/3.20	22.40	1,110.00	105,611	0.120	Hen
556500	282.4	18/4.47	1/4.47	22.40	900.70	60,972	0.120	Osprey
556500	282.2	24/3.87	7/2.58	23.2	1,068.00	84,424	0.1030	Parakeet
556500	282.6	26/3.72	7/2.89	23.6	1,142.00	100,838	0.1030	Dove
556500	282.1	30/3.46	7/3.46	24.2	1,298.00	123,470	0.1030	Eagle
605000	306.2	24/4.03	7/2.69	24.2	1,159.00	95,861	0.0948	Peacock
605000	307.2	26/3.87	7/3.01	24.5	1,236.00	108,317	0.0944	Squab
605000	307.2	30/3.61	7/3.61	25.3	1,414.00	128,736	0.0945	WoodDuck
605000	307.2	30/3.61	19/2.16	25.2	1,398.00	133,082	0.0945	Teal
636000	323.1	18/4.78	1/4.78	23.9	1,031.00	69,722	0.0890	Kingbird
636000	323.0	24/4.14	7/2.76	24.8	1,222.00	101,038	0.0894	Rook
636000	322.5	30/3.70	19/2.22	25.9	1,472.00	14,029	0.0897	Egret
666600	337.2	24/4.23	7/2.82	25.4	1,276.00	105,478	0.0856	Flamingo
666600	338.2	26/4.07	7/3.16	25.8	1,366.00	117,258	0.0854	Gannet

Round Wire Concentric Lay Aerial Electrical Stranded Conductor

Aluminum Section Area Cir.mils or AWG (mm ²)	Stranding No.and Dia. (No./mm)		Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Calculated Breaking Load (KN)	Calculated DC Resistance at 20°C (Ω/km)	Code Name	
	AL	St.						
636000	321.9	26/3.97	7/3.09	25.2	1,302.00	111,875	0.0897	Grosbeak
715500	363.4	24/4.39	7/2.92	26.2	1,373.00	113,345	0.0795	Stilt
715500	361.9	26/4.21	7/3.28	26.7	1,465.00	125,948	0.0798	Starling
715500	362.1	30/3.92	19/2.35	27.4	1,651.00	153,659	0.0800	Redwing
795000	402.2	24/4.62	7/3.08	27.7	1,521.00	123,822	0.0718	Cuckoo
795000	402.5	26/4.44	7/3.45	28.1	1,626.00	138,669	0.0717	Drake
795000	401.8	36/3.77	1/3.77	26.4	1,195.00	74,340	0.0715	Coot
795000	403.8	45/3.38	7/2.25	27.0	1,336.00	97,399	0.0715	Tern
795000	402.4	54/3.08	7/3.08	27.7	1,522.00	125,057	0.0718	Condor
795000	403.8	30/4.14	19/2.48	29.0	1,840.00	171,224	0.0717	Mallard
900000	455.4	45/3.59	7/2.40	28.7	1,509.00	108,965	0.0634	Ruddy
900000	456.3	54/3.28	7/3.28	29.5	1,726.00	141,826	0.0633	Canary
954000	484.6	36/4.14	1/4.14	29.0	1,441.00	87,884	0.0593	Catbird
954000	483.8	45/3.70	7/2.47	29.6	1,602.00	115,626	0.0597	Rail
954000	484.5	54/3.38	7/3.38	30.4	1,832.00	150,606	0.0596	Cardinal
1033500	522.7	36/4.3	7/4.3	30.1	1,554.00	94,808	0.0550	Tanger
1033500	532.8	45/3.85	7/2.57	30.8	1,735.00	123,280	0.0551	Ortolan
1033500	522.5	54/3.51	7/3.51	31.6	1,976.00	162,414	0.0553	Curlew
1113000	565.7	45/4.00	7/2.66	32.0	1,871.00	132,708	0.0511	Bluejay
1113000	564.8	54/3.65	19/2.19	32.9	2,132.00	174,089	0.0514	Finch
1192500	605.7	45/4.14	7/2.76	33.1	1,005.00	142,417	0.0477	Bunting
1192500	602.6	54/3.77	19/2.27	34.0	2,280.00	184,238	0.0481	Grackle
1272000	646.2	36/4.78	1/4.78	33.5	1,992.00	117,156	0.0445	Skylark
1272000	644.4	45/4.27	7/2.85	34.2	2,134.00	151,630	0.0448	Bittern
1272000	645.3	54/3.90	19/2.34	35.1	2,437.00	194,126	0.0450	Pheasant
1351500	684.5	45/4.40	7/2.93	35.2	2,265.00	160,735	0.0422	Dipper
1351500	685.3	54/4.02	19/2.41	36.2	2,586.00	206,085	0.0423	Martin
1431000	725.4	45/4.53	7/3.02	36.2	2,402.00	170,514	0.0398	Bobolink
1431000	726.8	54/4.14	19/2.48	37.2	2,742.00	218,401	0.0399	Plover
1510500	764.1	45/4.65	7/3.10	37.2	2,530.00	177,638	0.0378	Nuthatch
1510500	766.3	54/4.25	19/2.55	38.3	2,893.00	230,532	0.0379	Parrot
1590000	807.8	45/4.78	7/3.18	38.2	2,672.00	187,432	0.0358	Lapwing
1590000	806.2	54/4.36	19/2.62	39.3	3,047.00	242,993	0.0360	Falcon
1780000	903.0	84/3.70	19/2.22	40.7	3,090.00	226,972	0.0321	Chukar
2156000	1,093.0	84/4.07	19/2.44	44.8	3,738.00	268,046	0.0266	Bluebird
2167000	1,099.0	72/4.41	7/2.94	44.1	3,452.00	216,690	0.0264	Kiwi
2312000	1,171.0	76/4.43	19/2.07	45.8	3,760.00	251,855	0.0248	Thrasher

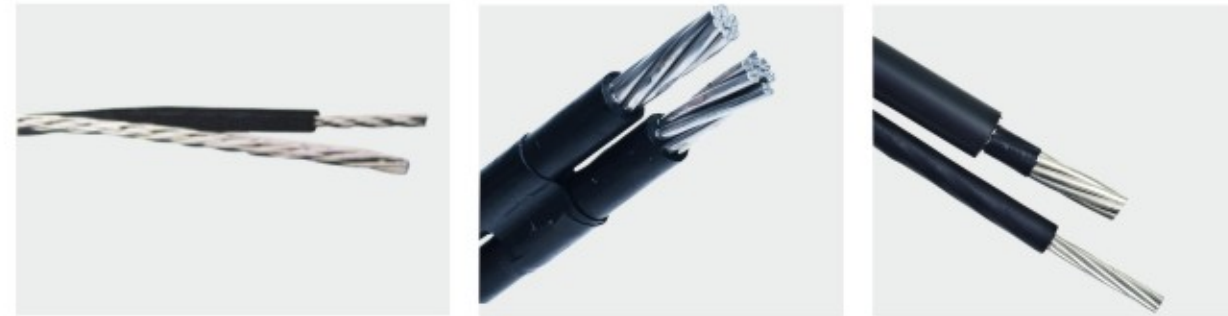
Aerial Bounded Cable up to 1kV

1. Construction

Concentric stranded or compacted AAC conductor, polyethylene or crosslinked polyethylene insulation, concentric stranded AAC, ACSR or AAAC as neutral messenger.

2. Standards

ASTM B-230, B-231, B-232 and B-339 & ICEA S-76-474



Duplex Service Drop

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		AAC		Rated Strength lbs.	AAC		INSUL Thick. mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Pekingese	1*6AWG+1*6AWG	7	1.56	563	1	4.11	1.14	92	85	70
Collie	1*6AWG+1*6AWG	7	1.56	563	7	1.56	1.14	94	85	70
Dachshund	1*4AWG+1*4AWG	7	1.96	881	1	5.19	1.14	139	115	90
Spaniel	1*4AWG+1*4AWG	7	1.96	881	7	1.96	1.14	141	115	90
Doberman	1*2AWG+1*2AWG	7	2.47	1350	7	2.47	1.14	216	150	120
Malemute	1*1/0AWG+1*1/0AWG	7	3.12	1990	19	1.89	1.52	347	205	160

Code Name	AWG or kcmil	Bare Neutral Messenger					Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		ACSR				Rated Strength lbs.	AAC		INSUL Thick. mm		XLPE	PE
		No.	Dia. mm	No.	Dia. mm		No.	Dia. mm				
Setter	1*6AWG+1*6AWG	1	1.68	6	1.68	1190	1	4.11	1.14	111	85	70
Shepherd	1*6AWG+1*6AWG	1	1.68	6	1.68	1190	7	1.56	1.14	113	85	70
Eskimo	1*4AWG+1*4AWG	1	2.12	6	2.12	1860	1	5.19	1.14	171	115	90
Terrier	1*4AWG+1*4AWG	1	2.12	6	2.12	1860	7	1.96	1.14	173	115	90
Chow	1*2AWG+1*2AWG	1	2.67	6	2.67	2850	7	2.47	1.14	266	150	120
Bull	1*1/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	19	1.89	1.52	427	205	160

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		ALLOY		Rated Strength lbs.	AAC		INSUL Thick. mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Chihuahua	1*6AWG+1*30.58	7	1.68	1110	1	4.11	1.14	98	85	70
Vizsla	1*6AWG+1*30.58	7	1.68	1110	7	1.56	1.14	100	85	70
Harrier	1*4AWG+1*48.69	7	2.12	1760	1	5.19	1.14	149	115	90
Whippet	1*4AWG+1*48.69	7	2.12	1760	7	1.96	1.14	151	115	90
Schnauzer	1*2AWG+1*77.47	7	2.67	2800	7	2.47	1.14	231	150	120
Heeler	1*1/0AWG+1*123.3	7	3.37	4460	19	1.89	1.52	372	205	160



1. Construction

Concentric strand or compacted AAC conductor, polyethylene or crosslinked polyethylene insulation, concentric strand AAC, ACSR or AAAC as neutral messenger.

2. Standards

ASTM B-230, B-232 and B-399 & ICEA S-76-474

Triplex Service Drop

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		AAC		Rated Strength lbs.	AAC		INSUL Thick. mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Haiotis	2*6AWG+1*6AWG	7	1.56	563	1	4.11	1.14	146	85	70
Patella	2*6AWG+1*6AWG	7	1.56	563	7	1.56	1.14	150	85	70
Fusus	2*4AWG+1*4AWG	7	1.96	881	1	5.19	1.14	219	115	90
Oyster	2*4AWG+1*4AWG	7	1.96	881	7	1.96	1.14	224	115	90
Clam	2*2AWG+1*2AWG	7	2.47	1350	7	2.47	1.14	338	150	120
Murex	2*1/0AWG+1*1/0AWG	7	3.12	1990	7	3.12	1.52	544	205	160
Purpura	2*1/0AWG+1*1/0AWG	7	3.12	1990	19	1.89	1.52	545	205	160
Nassa	2*2/0AWG+1*2/0AWG	7	3.50	2510	7	3.50	1.52	671	235	185
Melita	2*3/0AWG+1*3/0AWG	19	2.39	3310	19	2.39	1.52	830	275	215
Portunus	2*4/0AWG+1*4/0AWG	19	3.25	4020	19	3.25	1.52	1476	315	245
Nannynose	2*336.4+1*336.4	19	3.38	6146	19	3.38	2.03	1649	420	325

Code Name	AWG or kcmil	Bare Neutral Messenger					Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		ACSR				Rated Strength lbs.	AAC		INSUL Thick. mm		XLPE	PE
		No.	Dia. mm	No.	Dia. mm		No.	Dia. mm				
Paludina	2*6AWG+1*6AWG	1	1.68	6	1.68	1190	1	4.11	1.14	166	85	70
Voluta	2*6AWG+1*6AWG	1	1.68	6	1.68	1190	7	1.56	1.14	170	85	70
Whelk	2*4AWG+1*4AWG	1	2.12	6	2.12	1860	1	5.19	1.14	251	115	90
Periwinkle	2*4AWG+1*4AWG	1	2.12	6	2.12	1860	7	1.96	1.14	255	115	90
Conch	2*2AWG+1*2AWG	1	2.67	6	2.67	2850	7	2.47	1.14	389	150	120
Neritina	2*1/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	7	3.12	1.52	624	205	160
Cenia	2*1/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	19	1.89	1.52	625	205	160
Runcina	2*2/0AWG+1*2/0AWG	1	3.78	6	3.78	5310	7	3.50	1.52	771	235	185
Triton	2*2/0AWG+1*2/0AWG	1	3.78	6	3.78	5310	19	2.13	1.52	772	235	185
Cherrystone	2*3/0AWG+1*3/0AWG	1	4.25	6	4.25	6620	7	3.93	1.52	956	250	200
Mursia	2*3/0AWG+1*3/0AWG	1	4.25	6	4.25	6620	19	2.39	1.52	957	250	200
Razor	2*4/0AWG+1*4/0AWG	1	4.77	6	4.77	8350	7	4.42	1.52	1187	315	245
Zuzara	2*4/0AWG+1*4/0AWG	1	4.77	6	4.77	8350	19	2.68	1.52	1188	315	245
Limpet	2*336.4+1*336.4	1	3.47	18	3.47	8680	19	3.38	2.03	1733	420	325
Scallop	2*4AWG+1*6AWG	1	1.68	6	1.68	1190	1	5.19	1.14	217	115	90
Strombus	2*4AWG+1*4AWG	1	1.68	6	1.68	1190	7	1.96	1.14	222	115	90
Cockle	2*2AWG+1*4AWG	1	2.12	6	2.12	1860	7	2.47	1.14	335	150	120
Janthina	2*1/0AWG+1*2/0AWG	1	2.67	6	2.67	2850	7	3.12	1.52	539	205	160
Ranella	2*1/0AWG+1*2/0AWG	1	2.67	6	2.67	2850	19	1.89	1.52	540	205	160
Cavolinia	2*2/0AWG+1*1AWG	1	3.00	6	3.00	3550	7	3.50	1.52	665	235	185
Clio	2*2/0AWG+1*1AWG	1	3.00	6	3.00	3550	19	2.13	1.52	666	235	185
Sanddollar	2*3/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	7	3.93	1.52	821	275	215
Aega	2*3/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	19	2.39	1.52	823	275	215
Cuttlefish	2*4/0AWG+1*2/0AWG	1	3.78	6	3.78	5310	7	4.42	1.52	1017	315	245
Cerapus	2*4/0AWG+1*2/0AWG	1	3.78	6	3.78	5310	19	2.68	1.52	1018	315	245
Cowry	2*336.4+1*4/0AWG	1	4.77	6	4.77	8350	19	3.38	2.03	1633	420	325

Triplex Service Drop

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		AL-ALLOY		Rated Strength lbs.	AAC		INSUL Thick mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Minex	2*6AWG+1*30.58	7	1.68	1110	1	4.11	1.14	152	85	70
Hippa	2*6AWG+1*30.58	7	1.68	1110	7	1.56	1.14	156	85	70
Prawn	2*4AWG+1*48.69	7	2.12	1760	1	5.19	1.14	229	115	90
Bamacle	2*4AWG+1*48.69	7	2.12	1760	7	1.96	1.14	233	115	90
Shrimp	2*2AWG+1*77.47	7	2.67	2800	7	2.47	1.14	354	150	120
Gammarus	2*1/0AWG+1*123.3	7	3.37	4460	7	3.12	1.52	569	205	160
Leda	2*1/0AWG+1*123.3	7	3.37	4460	19	1.89	1.52	570	205	160
Dungenese	2*2/0AWG+1*155.4	7	3.78	5390	7	3.50	1.52	702	235	185
Cyclops	2*2/0AWG+1*155.4	7	3.78	5390	19	2.13	1.52	703	235	185
Flustra	2*3/0AWG+1*195.7	7	4.25	6790	19	2.39	1.52	869	275	215
Lepas	2*4/0AWG+1*246.9	7	4.77	8560	19	2.68	1.52	1077	315	245
Artemia	2*4/0AWG+1*30.58	7	1.68	1110	1	5.19	1.14	203	115	90
Crab	2*4/0AWG+1*30.58	7	1.68	1110	7	1.96	1.14	208	115	90
Solaster	2*2/0AWG+1*48.69	7	2.12	1760	7	2.47	1.14	313	150	120
Sandcrab	2*1/0AWG+1*77.47	7	2.67	2800	7	3.12	1.52	504	205	160
Echinus	2*1/0AWG+1*77.47	7	2.67	2800	19	1.89	1.52	505	205	160
Crayfish	2*2/0AWG+1*97.65	7	3.00	3530	7	3.50	1.52	621	235	185
Sipho	2*2/0AWG+1*97.65	7	3.00	3530	19	2.13	1.52	622	235	185
Fulgar	2*3/0AWG+1*123.3G	7	3.37	4460	19	2.39	1.52	767	275	215
Arca	2*4/0AWG+1*155.4	7	3.78	5390	19	2.68	1.52	949	315	245

Quadruplex Service Drop



1. Construction

Conductors are concentrically stranded, compacted 1350-H19 aluminium, insulated with polyethylene or XLPE cross polyethylene. Neutral messengers are concentrically stranded AAAC, AAC or ACSR, One conductor is manufactured with an extruded ridge for phase identification.

2. Standards

ASTM B-230, B-231, B-232, B-339 & ICEA S-76-474

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		AAC		Rated Strength lbs.	AAC		INSUL Thick mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Clydesdate	3*4AWG+1*4AWG	7	1.96	881	1	5.19	1.14	299	100	80
Pinto	3*4AWG+1*4AWG	7	1.96	881	7	1.96	1.14	306	100	80
Mustang	3*2AWG+1*2AWG	7	2.47	1350	7	2.47	1.14	461	135	105
Criollo	3*1/0AWG+1*1/0AWG	7	3.12	1990	19	1.89	1.52	744	180	140
Percheron	3*2/0AWG+1*2/0AWG	7	3.50	2510	19	2.13	1.52	914	205	160
Hanoverian	3*3/0AWG+1*3/0AWG	19	2.39	3310	19	2.39	1.52	1127	235	185
Oldenburg	3*4/0AWG+1*4/0AWG	19	3.25	4020	19	3.25	1.52	1995	275	210
Lippizaner	3*336.4+1*336.4	19	3.38	6146	19	3.38	2.03	2236	370	280

Code Name	AWG or kcmil	Bare Neutral Messenger				Phase Conductor			Weight kg/km	Allowable Ampacities(A)		
		ACSR		Rated Strength lbs.	AAC		INSUL Thick mm	XLPE		PE		
		No.	Dia. mm		No.	Dia. mm						
Morochuca	3*6AWG+1*6AWG	1	1.68	6	1.68	1190	1	4.11	1.14	221	75	60
Chola	3*6AWG+1*6AWG	1	1.68	6	1.68	1190	7	1.56	1.14	227	75	60
Morgan	3*4AWG+1*4AWG	1	2.12	6	2.12	1860	1	5.19	1.14	331	100	80
Hackney	3*4AWG+1*4AWG	1	2.12	6	2.12	1860	7	1.96	1.14	338	100	80
Palomino	3*2AWG+1*2AWG	1	2.67	6	2.67	2850	7	2.47	1.14	511	135	105
Costena	3*1/0AWG+1*1/0AWG	1	3.37	6	3.37	4380	19	1.89	1.52	824	180	140
Grullo	3*2/0AWG+1*2/0AWG	1	3.78	6	3.78	5310	19	2.13	1.52	1015	205	160
Suffolk	3*3/0AWG+1*3/0AWG	1	4.25	6	4.25	6620	19	2.39	1.52	1254	235	185
Appaloosa	3*4/0AWG+1*4/0AWG	1	4.77	6	4.77	8350	19	2.68	1.52	1554	275	210
Bronco	3*336.4+1*336.4	1	3.47	18	3.47	8680	19	3.38	2.03	2321	370	280
Gelding	3*336.4+1*4/0AWG	1	4.77	6	4.77	8350	19	3.38	2.03	2221	370	280

Code Name	AWG or kcmil	Bare Neutral Messenger			Phase Conductor			Weight kg/km	Allowable Ampacities(A)	
		Alloy Aluminum		Rated Strength lbs.	AAC		INSUL Thick mm		XLPE	PE
		No.	Dia. mm		No.	Dia. mm				
Bay	3*6AWG+1*30.58	7	1.68	1110	1	4.11	1.14	207	75	60
French Coach	3*6AWG+1*30.58	7	1.68	1110	7	1.56	1.14	213	75	60
German Coach	3*4AWG+1*48.69	7	2.12	1760	1	5.19	1.14	309	100	80
Arabian	3*4AWG+1*48.69	7	2.12	1760	7	1.96	1.14	316	100	80
Belgian	3*2AWG+1*77.47	7	2.67	2800	7	2.47	1.14	476	135	105
Shetland	3*1/0AWG+1*123.3	7	3.37	4460	19	1.89	1.52	768	180	140
Thoroughbred	3*2/0AWG+1*155.4	7	3.78	5390	19	2.13	1.52	945	205	160
Trotter	3*3/0AWG+1*195.7	7	4.25	6790	19	2.39	1.52	1166	235	185
Walking	3*4/0AWG+1*246.9	7	4.77	8560	19	2.68	1.52	1442	275	210

PVC insulation no-sheathed general purpose electric wire



The products can be produced and provided according to standard IEC 60227, BS 6004, BS6500. They are applicable to AC rated voltage up to 450/750v(uo/u) connecting for Various electrical equipment and instrumen, electricity lighting.Partial PVC insulated electrical wires are suitable for equipments of 300/500vand blew.

1.Single core,solid,stranded

H07V-R, H07V-U, 60227 IEC 01

Nominal section (mm ²)	Number/diameter of core (mm)	Maximum outer diameter (mm)	Reference weight (Kg/km)		Conductor resistance at 20°C ≤(Ω/km)	
			Conductor copper	Conductor aluminum	aluminum	copper
1.5(A)	1/1.38	3.3	20.3	-----	-----	12.1
1.5(B)	7/0.52	3.5	21.6	-----	-----	12.1
2.5(A)	1/1.78	3.9	31.6	17	11.80	7.41
2.5(B)	7/0.68	4.2	34.8	-----	-----	7.41
4(A)	1/2.25	4.4	47.1	22	7.39	4.61
4(B)	7/0.85	4.8	50.3	-----	-----	4.61
6(A)	1/2.76	4.9	65	29	4.91	3.08
6(B)	7/1.04	5.4	71.2	----	----	3.08
10	7/1.35	7.0	119	62	3.08	1.83
16	7/1.70	8.0	179	78	1.91	1.15
25	7/2.14	10.0	281	118	1.20	0.727
35	7/2.52	11.5	381	156	0.868	0.524
50	19/1.78	13.0	521	215	0.641	0.387
70	19/2.14	15.0	734	282	0.443	0.268
95	19/2.52	17.5	962	385	0.320	0.193
120	37/2.03	19.0	1180	431	0.253	0.153
150	37/2.25	21.0	1470	539	0.206	0.124
185	37/2.52	23.5	1810	666	0.164	0.0991
240	61/2.52	26.5	2350	857	0.125	0.0754

PVC insulation no-sheathed general purpose electric wire

2.Electric wire, single core, flexible

H07V-K, H05V-K, 60227 IEC 02

Nominal Section (mm ²)	Core Structure No./Dia.(mm)	Max Dia.(mm)	Reference Weight (kg/km)
0.4	23/0.15	2.5	8.1
0.5	16/0.2	2.6	9.1
0.75	24/0.2	2.8	12.2
1.0	32/0.2	3.0	15.1
1.5	30/0.25	3.5	21.4
2.5	49/0.25	4.2	24.5
4	56/0.30	4.8	51.8
6	84/0.30	6.4	74.1
10	84/0.40	8.0	12.4

3.PVC insulation PVC sheathed flexible electric cable

H05VV-F, H03VV-F, 60227 IEC 53

Nominal Section (mm ²)	NO/Dia.(mm)	Max Dia.(mm)	Reference Weight (kg/km)
2×0.75	2×24/0.20	7.6	50.0
2×1.0	2×32/0.20	7.8	57.8
2×1.5	2×30/0.25	8.8	74.7
2×2.5	2×49/0.25	11.0	120.0
3×0.75	3×24/0.20	8.0	63.1
3×1.0	3×32/0.20	8.4	74.0
3×1.5	3×30/0.25	9.6	102.0
3×2.5	3×49/0.25	11.5	162.0
4×0.75	4×24/0.20	8.6	78.5
4×1.0	4×32/0.20	9.2	97.2
4×1.5	4×30/0.25	11.0	133.0
5×0.75	5×24/0.20	9.4	96.9
5×1.0	4×32/0.20	11.0	115.0

PVC Insulated Power Cable



1. Standard and Scope of Application

The products can be produced and supplied according to Chinese standard GB/T12706-2002 (equivalent to IEC 60502). The factory can also manufacture the products that are based on British standard (BS) and other standards. In addition, under customers' requirement, we can design and manufacture the products that have special performance. The products are used in fixed laying on transmission and distribution electrical lines of 50 HZ AC rated voltage up to 6 kV.

2. Specific Property for Using

1. The long-time permissible working temperature of cable conductive core is not more than 70°C.
2. During short circuit (max. Lasting time is not more than 5 seconds), the max. temperature of cable conductor is not more than 165°C.
3. The difference level of laying cable is not restricted. When laying the cable, ambient temperature is not lower than 0°C.
4. They have good chemical stability, and properties of acid resistance, alkali resistance, salt resistance, oil resistance, solvent resistance and flame resistance.
5. Light weight, good bending property and easy installation and maintenance.

3. Technical Requirement

Type and Name

Type	Name
VV(VLV)	Copper(Aluminum) Conductor PVC Insulated, PVC Sheath Power Cable
VY(VLY)	Copper(Aluminum) Conductor PVC Insulated, PE Sheath Power Cable
VV ₂₂ (VLY ₂₂)	Copper(Aluminum) Conductor PVC Insulated, Steel-tape Armoured, PVC Sheath Power Cable
VV ₂₃ (VLY ₂₃)	Copper(Aluminum) Conductor PVC Insulated, Steel-tape Armoured, PE Sheath Power Cable
VV ₃₂ (VLV ₃₂)	Copper(Aluminum) Conductor PVC Insulated, Steel-wire Armoured, PVC Sheath Power Cable
VV ₃₃ (VLV ₃₃)	Copper(Aluminum) Conductor PVC Insulated, Steel-wire Armoured, PE Sheath Power Cable
VV ₄₂ (VLV ₄₂)	Copper(Aluminum) Conductor PVC Insulated, Thick Steel-wire Armoured, PVC Sheath Power Cable
VV ₄₃ (VLV ₄₃)	Copper(Aluminum) Conductor PVC Insulated, Thick Steel-wire Armoured, PE Sheath Power Cable

PVC Insulated Power Cable

Nominal cross section of conductive core

3+1	mastercore	4	6	10	16	25	35	50	70	95	120	150	185	240	300
3+2	neutral core	2.5	4	6	10	16	25	35	50	70	95	120	150		
3+2	neutral core	2.5	4	6	10	16	25	35	50	70	95	120	150		

Nominal thickness of insulation

Insulation Thickness (mm)	Nominal Cross Section (mm ²)	Voltage(kV)																					
		1	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800	1000
0.6/1		0.8	0.8	0.8	1	1	1	1	1.2	1.2	1.4	1.4	1.6	1.6	1.8	2.0	2.2	2.4	2.6	2.8	2.8	2.8	3.0
3.6/6									3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4

DC resistance of conductor

Nominal Cross Section (mm ²)	Max D.C. Resistance at 20°C(Ω/km)		Nominal Cross Section (mm ²)	Max D.C. Resistance at 20°C(Ω/km)		Nominal Cross Section (mm ²)	Max D.C. Resistance at 20°C(Ω/km)	
	Copper Core	Aluminum Core		Copper Core	Aluminum Core		Copper Core	Aluminum Core
15	12.1	18.1	35	0.524	0.868	240	0.0754	0.125
25	7.41	12.1	50	0.387	0.641	300	0.0601	0.100
4	4.61	7.41	70	0.268	0.443	400	0.0470	0.0778
6	3.08	4.61	95	0.193	0.320	500	0.0366	0.0605
10	1.83	3.08	120	0.153	0.253	630	0.0283	0.0469
16	1.15	1.91	150	0.124	0.206	800	0.0221	0.0369
25	0.727	1.20	185	0.0991	0.164	1000	0.0176	0.0291

Insulation Resistance

Test item	PVC Insulated Cable		XLPE Insulated Power Cable
	0.6/1kV	3.6/6kV	
Min. Volume resistivity(ρ.Ω.cm) at 20°C	10 ¹³	10 ¹⁴	---
Min. Volume resistivity at top rated temperature	10 ¹⁰	10 ¹¹	10 ¹²
Min. Insulation resistance (MΩ.km) at 20°C	36.7	367	---
Min. Insulation resistance constant at top rated temperature	0.037	0.37	3.67

Test voltage

U ₀ /U(kV)	U _s (kV)	T(min)
0.6/1	3.5	5
3.6/6	12.5	5

XLPE Insulated Power Cable with Rated Voltage up to 1~35kV

1. Standard and Property for Using

The products can be produced according to our factory specification which is equivalent to the standard IEC60502. The factory can also design and manufacture special XLPE cable according to the other standards required by the customers. They not only have excellent electric, mechanical properties, but also have powerful resistance against chemical corrosion, heataging and environmental stress. Their structures are simple. The permissible maximum operating temperature is 90°C. It is convenient for using, and they can be laid with no restriction of different elevation.

2. The Rated Voltage, No. of Core and Range of Sectional Area

Sectional Area (mm ²) No. of Core	Rate Voltage (kV)	1st class								
		0.6/1	1.8/3	3.6/6	6/10	8.7/15	12/20	18/30	21/35	
1 Core		1.5~800	25/800	25~1200	25~1200	35~1200	50~1200	50~1200	50~1200	
2 Core		1.5~185	25~185							
3 Core		1.5~400	25~400	25~400	25~400	35~400	50~400	50~400	50~400	
4 Core		2.5~400	25~400							
5 Core		2.5~400	25~400							

3. The Type and Main Application

Type		Name	Main Application
Cu	Al		
YJV YJY	YJLV YJLY	XLPE Insulated, PVC or PE Sheathed Power Cable	For laying indoor-tunnel, channel and underground. Unable to bear external mechanical Force, but bear the traction force during laid
YJV ₂₂ YJV ₃₃	YJLV ₂₂ YJLV ₃₃	XLPE Insulated, Steel Tape Armoured, PVC or PE Sheathed Power Cable	For laying indoor-tunnel, channel and underground. Able to bear external mechanical force, but unable to bear, large pulling force
YJV ₂₂ YJV ₃₃	YJLV ₂₂ YJLV ₃₃	XLPE Insulated, Fine Steel Wire Armoured, PVC or PE Sheathed Power Cable	For laying in shaft with large difference of level. Able to bear external machanical force and maderate pulling force
YJV ₄₂ YJV ₄₃	YJLV ₄₂ YJLV ₄₃	XLPE Insulated, Thick Steel Wire Armoured, PVC or PE Sheathed Power Cable	Able to bear positive pressure and pulling force

XLPE Insulated Power Cable with Rated Voltage up to 1~35kV

Note : "ZR-" Includes A B C three kinds of flame retardent cables, which are spectively indicated in "ZRA-" or "ZRB-" "ZRC-" . For example: "ZRB-YJV" , "ZRA-YJV₂₂" .

4. Main Technical Quota

1. DC resistance: conductor resistance(Ω/km) of finished cable at 20°C is not more than the following values.

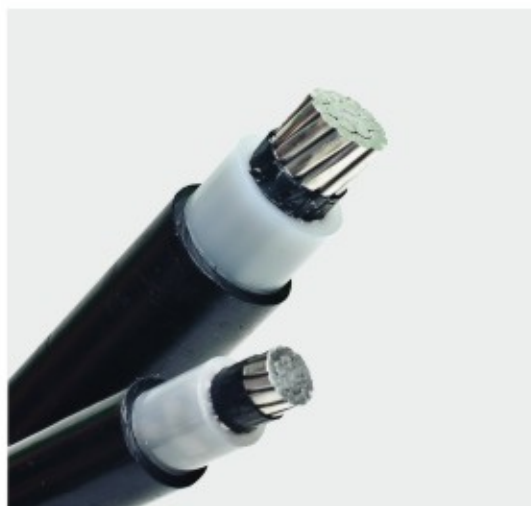
Nominal Sectional Area(mm ²)	15	25	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500	630	800
Copper Core	121	7.41	4.61	3.08	1.83	1.15	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0891	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221
Aluminum Core	181	12.1	7.41	4.61	3.08	1.91	1.20	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367

2. Voltage Test and Partial Discharge Test

Item	Rated Voltage U ₀ /U(kV)	U ₀ /U(kV)								
		0.6/1	1.8/3	3.6/6	6/6 6/10	8.7/10 8.7/15	18/20	18/20 18/30	21/35	26/35
Voltage Test	Test Voltage(kV)	3.5	6.5	12.5	21	30.5	42	63	73.5	91
	Test Time(min.)	5	5	5	5	5	5	5	5	5
Partial Discharge Voltage Test	Test Voltage(kV)	-	-	6.2	10.4	15.1	20.8	31.1	36.3	45
	Discharge Capacity(≤pc)	-	-	10	10	10	10	10	10	10



Aerial Insulated Power Cable up to 10kV and 35kV



1. Standard and Scope of Application

The products adopt IEC 60502 standard, and they are suitable for aerial distribution electrical lines with rated AC voltage U(Um)10(12)kV and 35(42)kV.

2. Specific Property for Using

1. The min. temperature of laying cable is not lower than -20°C.
2. The max. temperature of HDPE insulated cable is 150°C, and that of the XLPE insulated cable is 250°C when short circuit (Less than 5 seconds).

3. The max. long-time working temperature of the HDPE insulation is 75°C and that of the XLPE insulated cable is 90°C.

4. Every fault time of single-phase earthing shall be less than one minute. And that also shall be less than 8 hours per time and be less than 125 hours every year.

5. The permissible curving radius of single-core cable should be not less than $20(D+d) \pm 5\%$ mm, and that of the multi-core cable should be not less than $15(D+d) \pm 5\%$ mm.

3. Type, Name and Main Application

Type	Name	Main Application
JKYJ	Copper Conductor, XLPE Insulated Aerial Cable	
JKTRYJ	Copper Conductor, XLPE Insulated Aerial Flexible Cable	Fixed laid overhead, and the flexible copper core products are suitable for the down-leading wire of transformers.
JKLYJ	Aluminum Conductor, XLPE Insulated Aerial Cable	
JKLHYJ	Aluminum Alloy Conductor, XLPE Insulated Aerial Cable	
JKY	Copper Conductor, PE Insulated Aerial Cable	Certain distance should be kept between the cable and trees when laid, and the cable is permitted to touch with trees for short time when working.
JKTRY	Copper Conductor, PE Insulated Aerial Flexible Cable	
JKLY	Aluminum Conductor, PE Insulated Aerial Cable	

Aerial Insulated Power Cable up to 10kV and 35kV

Type	Name	Main Application
JKLHY	Aluminum Alloy Conductor, PE Insulated Aerial Cable	Fixed laid overhead. Certain distance should be kept between the cable and trees when laid, and the cable is permitted to touch with trees frequently when working
JKLYJ/B	Aluminum Conductor, XLPE Insulated Aerial Cable	
JKLHYJ/B	Aluminum Alloy Conductor, XLPE Insulated Aerial Cable	
JKLYJ/Q	Aluminum Conductor, Light XLPE Insulated Aerial Cable	Fixed laid overhead. Certain distance should be kept between the cable and trees when laid, and the cable is permitted to touch with trees for short time when working
JKLHYJ/Q	Aluminum Alloy Conductor, Light XLPE Insulated Aerial Cable	
JKLY/Q	Aluminum Conductor, Light PE Insulated Aerial Cable	
JKLHY/Q	Aluminum Alloy Conductor, Light PE Insulated Aerial Cable	

4. Specification

Type	Number of Core	Rated Voltage	
		10kV	35kV
		Nominal Sectional Area(mm ²)	
JKYJ	1	10~300	50~300
JKTYJ	3	25~300	—
JKLYJ	3+k(A) or 3+k(B)	25~300	—
JKLHYJ		(There into)K25~120	—
JKY	1	10~300	—
JKTRY			
JKLY			
JKLHY			
JKLYJ/Q			
JKLHYJ/Q			
JKLY/Q			
JKLHY/Q			
JKLYJ/B	3	25~300	—
JKLHYJ/B	3+k(A) or 3+k(B)	25~300	—
		(There into)K25~300	

Note: A-The supporting-core is steel stranded wire. B-The supporting-core is aluminum alloy wire.

General Rubber Sheathed Flexible Cable



1. Standard

Rubber insulated cable with rated voltage up to 450/750V is in accordance with the standard GB5013-1997 (IEC245-1994).

2. Specific Property for Using

The long-time permissible working temperature of conductor is 60°C.

3. The Type, Construction and Application of products

Type	Name	Rated Voltage(V)	Section Area (mm ²)	Number of Core	Main Application
60245 IEC 53 YZ	Common Rubber Sheathed Flexible Cable	300/500	0.75~2.5	2,3,4,5	used for various movable electrical equipments and tools
60245 IEC 57 YZW	Common Chloroprene Rubber Sheathed Flexible Cable	300/500	0.75~2.5 4~6	2,3,4,5	
YZ YZW	Medium Type Rubber Sheathed Flexible Cable	300/500	1.5~6	4 (three and half cores)	
			0.75~6	6	
60245 IEC 66 YCW	Heavy Type Rubber Sheathed Flexible Cable for Outdoor Using	450/750	1.5~400	1	used for various movable electrical equipments and be able to support stronger outer mechanical force
			1.0~25	2	
			1.0~95	3	
			1.0~150	4	
YC	Heavy Type Rubber Sheathed Flexible Cable	450/750	1.0~25	5	
			1.5~400	1	
			1.5~95	2	
			1.5~150	3,4	
YCW	Heavy Type Rubber Sheathed Flexible Cable for Outdoor Using	450/750	1.5~25	5	
			2.5~150	4 (three and half cores)	
			35~95	2	
YCW	Heavy Type Rubber Sheathed Flexible Cable for Outdoor Using	450/750	120~150	3	
			2.5~150	4 (three and half cores)	

Welding Cable



1. Standard

The welding cable can be produced according to the standard GB5013.6-1997 and 60245 IEC 81/82

2. Specific Property for Using

- 1.The cable can be used in the connectors of electric weld and pliers of the electrical welding whose toward earth voltage of the low voltage is not more than A. C. 200 V and the pulsant D.C. peak value is 400V.
2. The long-time permissible working temperature of cable is not more than 65°C.

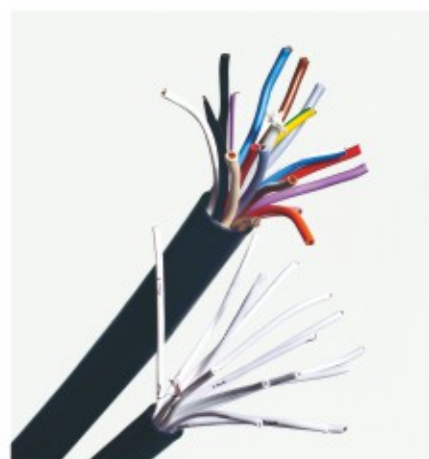
3. Name and IEC Standard

- 1.Rubber Sheathed Welding Cable 60245 IEC 81
- 2.Rubber Sheathed Welding Cable 60245 IEC 82 , which is made of chloroprene or the composite stretchy materials

4. The general data of the cable 60245 IEC 81 and 60245 IEC 82

Nominal Section Area(mm ²)	Copper Wire No./Dia. (mm)	Insulated Sheath Thickness(mm)	Average of the Max-Outer Dia. (mm)	Weight (kg/km)	Conductor Resistance at 20°C (≤Ω / km)
10	322/0.20	1.8	9.7	151.6	1.91
16	513/0.20	2.0	11.5	224.0	1.61
25	798/0.20	2.0	13.0	326.0	0.758
35	1121/0.20	2.0	14.5	430.0	0.536
50	1596/0.20	2.2	17.0	600.0	0.379
70	2214/0.20	2.4	19.5	818.1	0.268
95	2297/0.20	2.6	22.0	1082.7	0.198

Control Cable



1. Standard

The products can be produced according to the standard GB9330-1988 and the factory can also manufacture the cable in accordance with other standards.

2. Scope of Application

The products are suitable for the connection of controlling electrical equipments and instrument meters , monitoring and controlling return circuit , protecting and measuring in power distribution unit under the circumstance that the rated voltage is up to 450 / 750V AC .

3.Type & Specification

Type	Name	Sectional Area(mm ²)	Number of Core	Application Site
KVV	Copper Conductor, PVC Insulated and Sheathed Control Cable	0.75, 1.0, 1.5, 2.5,	2~16	Permanent installation indoors, in cable ditches or pipes
		4,6	2~14	
		10	2~10	
KVVP	Copper Conductor, PVC Insulated and Sheathed, Braiding Shielded Control Cable	0.75, 1.0, 1.5, 2.5,	2~61	Permanent installation indoors, in cable ditches or pipes where shielding is required
		4,6	2~14	
		10	2~10	
KVVP,	Copper Conductor PVC Insulated and Sheathed, Copper-tape Screened Control Cable	0.75, 1.0, 1.5, 2.5,	4~10	Permanent installation indoors, in cable ditches or pipes where shielding is required
		4,6	7~61	
		10	4~10	
KVV22	Copper Conductor, PVC Insulated and Sheathed, Steel-tape Armoured Control Cable	0.75, 1.0, 1.5, 2.5,	7~61	Permanent installation indoors, in cable ditches, pipes or underground Be able to bear stronger outer mechanical force
		4,6	4~14	
		10	4~14	
KVVR	Copper Conductor, PVC Insulated and Sheathed Flexible Control Cable	0.5~2.5	4~61	Installation indoors where flexibility and movability are required
KVVRP	Copper Conductor PVC Insulated and Sheathed, Braiding Shielded Flexible Control Cable	0.5, 0.75, 1.0,	4~61	Installation indoors where flexibility shielding and movability are required
		1.5, 2.5	4~48	

Control Cable

Type	Name	Sectional Area(mm ²)	Number of Core	Application Site
KYJV	Copper Conductor, XLPE Insulated and PVC Sheathed Control Cable	0.75, 1.0, 1.5, 2.5,	2~16	Permanent installation indoors, in cable ditches or pipes
		4,6	2~14	
		10	2~10	
KYJVP	Copper Conductor, XLPE Insulated, Braiding Shielded, PVC Sheathed Control Cable	0.75, 1.0, 1.5, 2.5,	2~61	Permanent installation indoors, in cable ditches or pipes where shielding is required
		4,6	2~14	
		10	2~10	
KYJV22	Copper Conductor, XLPE Insulated, Steel-tape Armoured, PVC Sheathed Control Cable	0.75, 1.0, 1.5, 2.5,	7~61	Permanent installation indoors, in cable ditches ,pipes or underground, Be able to bear stronger outer mechanical force
		4, 6	4~14	
		10	4~10	
KYJVP,	Copper Conductor, XLPE Insulated, Copper-tape Screened , PVC Sheathed Control Cable	0.75, 1.0, 1.5, 2.5,	7~61	Permanent installation indoors, in cable ditches or pipes where shielding is required
		4,6	4~14	
		10	4~10	
KYJVR,	Copper Conductor , XLPE Insulated, PVC Sheathed Flexible Control Cable	0.5~2.5	4~61	Installation indoors where flexibility and movability are required
KYJVRP	Copper Conductor, XLPE Insulated, Braiding Shielded, PVC Sheathed Flexible Control Cable	0.5, 0.75, 1.0	4~61	Installation indoors where flexibility shielding and movability are required
		1.5, 2.5	4~48	

4. The Requirement for Using

1. The long-time working temperature of PVC insulation is 70°C. The long-time working temperature of XLPE insulation is 90°C.

2. The temperature for laying the cables can not be lower than 0°C. Permissible curved radius (r)
 unarmoured cable : $r \geq 6D$; (D : outer diameter of the cable)
 armoured or copper-tape screened cable : $r \geq 12D$;
 shielded flexible cable : $r \geq 6D$

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