



ZHENGZHOU JINHANG HIGH-TECH CO., LTD

NO.82, KEXUE AVENUE, NEW&HIGH-TECH INDUSTRIAL DEVELOPMENT ZONE, ZHENGZHOU CITY, HENAN, CHINA.450001 Tel: +86 371 67849797 Fax: +86 371 67851180 leo@zzjscable.com

All Aluminium Alloy Conductor (AAAC)

Technical Data

AAAC

- Conductor comply with ASTM B398
- **Minimum Bending Radius**
30x cable Ø
- **Permitting long-term operating temperature**
75°C

Application

6201-T81 aluminum alloy wires, concentrically stranded, suitable for overhead transmitting and distributing electric circuit, application for use in the area of mountain hill heavy snow and windstorm and long-stride project.

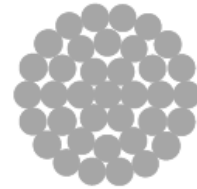
Drawing



7 STRANDS



19 STRANDS



37 STRANDS

Main data

Size mm ²	Conductor		Rated strength	Max.DC. Resistance at 20°C	Overall diameter mm	Approx. weight Kg/km
	Aluminium alloy single wire					
	Nos.	Diameter	KN	Ω/km		
25	7	2.13	7.72	1.3511	6.39	68.4
35	7	2.52	10.81	0.9651	7.56	95.7
50	7	3.02	15.44	0.6755	9.06	137
70	7	3.57	20.95	0.4825	10.71	192
95	19	2.52	29.33	0.3573	12.60	261
120	19	2.84	37.05	0.2828	14.2	330
150	19	3.17	46.31	0.2263	15.85	413
185	19	3.52	57.12	0.1835	17.60	509
240	19	4.01	71.82	0.1414	20.05	660
300	37	3.21	92.63	0.1134	22.47	827



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CABLE CAAI (NA)

Technical Data

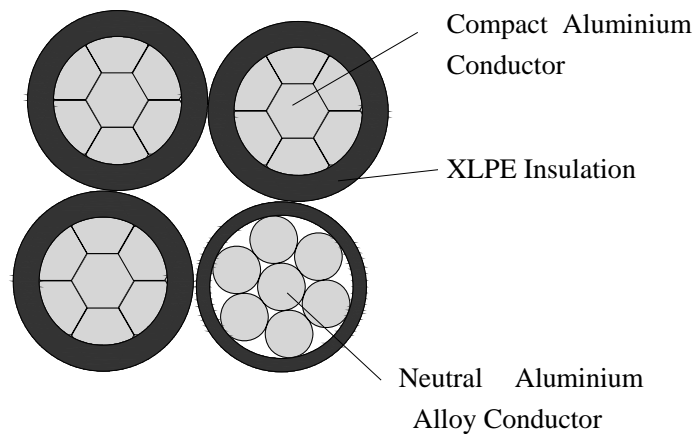
CAAI (NA)

- Cable comply with IEC 60502
- Voltage: U₀/U 0.6/1 kV
- Temperature of laying : no less than - 10 °C recommended 15 °C
- **Minimum Bending Radius**
15 x cable Ø
- **Permitting long-term operating temperature**
90°C

Application

The CAAI cables with cross-linked polyethylene (XLPE) insulation for overhead lines are designed for electrical installations with alternating power networks with nominal voltage U₀/U 0.6/1 kV or in direct power networks with maximum voltage according to land 0.9 kV. The cables with supporting (bearing) zero conductors are used for building networks in city and urban areas

Drawing



Cable structure

Size mm ²	Conductor			XLPE Insulation			Approx. Overall diameter mm	Approx. weight Kg/km	Max.DC. Resistance at 20°C Ω/km		
	single wire			nomial thickness(mm)							
	No/dia.mm			Phase AAC	Lighting AAC	Neutral AAAC			Phase AAC	Lighting AAC	Neutral AAAC
	Phase AAC	Lighting AAC	Neutral AAAC	Phase AAC	Lighting AAC	Neutral AAAC			Phase AAC	Lighting AAC	Neutral AAAC
1X16+NA25	7/1.7	-	7/2.13	1.14	-	1.14	18	160	1.910	-	1.351
2x16+NA25	7/1.7	-	7/2.13	1.14	-	1.14	18	220	1.910	-	1.351
2X25+NA25	7C	-	7/2.13	1.14	-	1.14	21	280	1.200	-	1.351
2X35+NA25	7C	-	7/2.13	1.14	-	1.14	22	340	0.868	-	1.351
2X50+NA35	7C	-	7/2.52	1.52	-	1.14	26	470	0.641	-	0.965
2X70+NA50	7C	-	7/3.02	1.52	-	1.52	30	660	0.443	-	0.676
2X95+NA70	19C	-	7/3.57	1.52	-	1.52	34	860	0.320	-	0.483
2X120+NA70	19C	-	7/3.57	2.03	-	1.52	38	1020	0.253	-	0.483

Note: C standard for compact conductor



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Size mm ²	Conductor			XLPE Insulation			Approx. Overall diameter mm	Approx. weight Kg/km	Max.DC. Resistance at 20 °C Ω/km		
	single wire								Phase AAC	Lighting AAC	Neutral AAAC
	No/dia.mm			nomial thickness(mm)							
	Phase AAC	Lighting AAC	Neutral AAAC	Phase AAC	Lighting AAC	Neutral AAAC					
2x25+16+NA25	7C	7/1.7	7/2.13	1.14	1.14	1.14	21	340	1.200	1.910	1.351
2x35+16+NA25	7C	7/1.7	7/2.13	1.14	1.14	1.14	22	400	1.868	1.910	1.351
2X50+16+NA35	7C	7/1.7	7/2.52	1.52	1.14	1.14	26	530	0.641	1.910	0.965
2X70+16+NA50	7C	7/1.7	7/3.02	1.52	1.14	1.52	30	720	0.443	1.910	0.676
2X95+16+NA70	19C	7/1.7	7/3.57	1.52	1.14	1.52	34	920	0.320	1.910	0.483
2X120+16+NA70	19C	7/1.7	7/3.57	2.03	1.14	1.52	38	1080	0.253	1.910	0.483
3x16+NA25	7C	-	7/2.13	1.14	-	1.14	18	280	1.910	-	1.351
3X25+NA25	7C	-	7/2.13	1.14	-	1.14	21	370	1.200	-	1.351
3X35+NA25	7C	-	7/2.13	1.14	-	1.14	22	450	0.868	-	1.351
3X50+NA35	7C	-	7/2.52	1.52	-	1.14	26	630	0.641	-	0.965
3X70+NA50	7C	-	7/3.02	1.52	-	1.52	30	880	0.443	-	0.676
3X95+NA70	19C	-	7/3.57	1.52	-	1.52	34	1160	0.320	-	0.483
3X120+NA70	19C	-	7/3.57	2.03	-	1.52	38	1410	0.253	-	0.483
3x16+16+NA25	7/1.7	7/1.7	7/2.13	1.14	1.14	1.14	18	340	1.910	1.910	1.351
3x25+16+NA25	7C	7/1.7	7/2.13	1.14	1.14	1.14	21	430	1.200	1.910	1.351
3x35+16+NA25	7C	7/1.7	7/2.13	1.14	1.14	1.14	22	520	0.868	1.910	1.351
3x35+16+NA35	7C	7/1.7	7/2.52	1.14	1.14	1.14	22	560	0.868	1.910	0.965
3x50+16+NA35	7C	7/1.7	7/2.52	1.52	1.14	1.14	26	690	0.641	1.910	0.965
3x50+25+NA35	7C	7C	7/2.52	1.52	1.14	1.14	26	720	0.641	1.200	0.965
3x70+16+NA50	7C	7/1.7	7/3.02	1.52	1.14	1.52	30	950	0.443	1.910	0.676
3x95+16+NA70	19C	7/1.7	7/3.57	1.52	1.14	1.52	34	1230	0.320	1.910	0.483
3x120+16+NA70	19C	7/1.7	7/3.57	2.03	1.14	1.52	38	1470	0.253	1.910	0.483

Note: C standard for compact conductor



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CABLE CAAPI

Technical Data

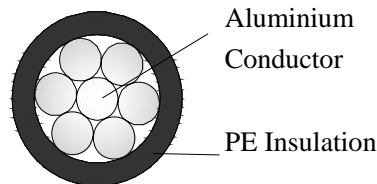
CAAPI

- Cable comply with IEC 60502
- Voltage: Depends on the insulators used
- Temperature of laying : no less than - 10 °C recommended 15 °C
- **Minimum Bending Radius**
15 x cable Ø
- **Permitting long-term operating temperature**
90°C

Application

Used for overhead fixed installation and sevice drop etc

Drawing



Cable structure

Size mm ²	Conductor	PE Insulation nomial thickness(mm)	Approx. Overall diameter mm	Approx. weight Kg/km	Max.DC. Resistance at 20°C Ω/km
	single wire No				
35	7/2.56	1.2	10.08	130	0.868
50	7/3.04	1.6	12.32	190	0.641



HENAN JINSHUI CABLE GROUP CO., LTD

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0.6/1KV Al/XLPE/PVC CONCENTRIC CABLE

Technical Data

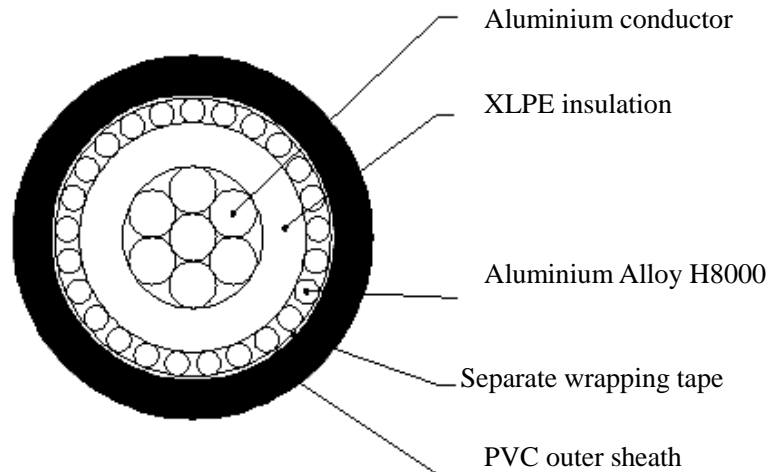
AL/XLPE/PVC 0.6/1KV

- Cable comply with IEC 60502 part 1
- **Temperature Range**
-15°C to 50°C
- **Nominal Voltage**
U₀/U 0.6/1kV
- **Test Voltage** 3.5kV/5min
- **Minimum Bending Radius**
15x cable Ø
- **Permitting long-term operating temperature**
90°C

Application

Concentric cable is a type of cable with a combined neutral and earth wire completely surrounds the core, Suitable for electrical network, are used in service entrances replacing low voltage bundled cables in order to avoid energy robbery.

Cable drawing



Cable structure

Size mm ²	Conductor single wire nos/dia.mm	Insulation Thickness mm	Aluminium Alloy H8000 Concentric layer wire dia. mm	Outer sheath thickness mm	Approx. Overall diameter mm	Approx. weight Kg/km	Max. DC. Resistance at 20°C Ω/km
2X6	7/1.05	0.7	0.5	1.4	8.5	87	4.61