ZHENGZHOU JINHANG HIGH-TECH CO., LTD
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CABLE CAAI (NA)

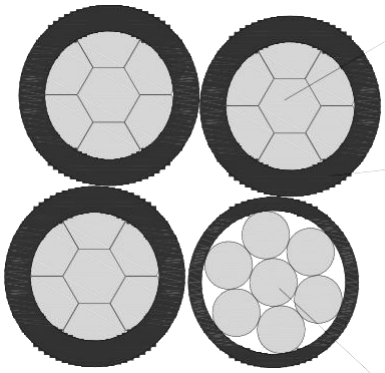
Technical Data **CAAI (NA)**

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

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 Uo/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℃ 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
1X16+NA25	7/1.7	-	7/2.13	1.14	-	1.14	18	160	1.910	-	1.351
3x16+NA25	7C	-	7/2.13	1.14	-	1.14	18	280	1.910	-	1.351
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+NA25	7C	-	7/2.13	1.14	-	1.14	22	450	0.868	-	1.351

Note: C standard for compact conductor

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All Aluminium Alloy Conductor (AAAC）

Technical Data **AAAC**

- Conductor comply with
- BSEN50182, ASTMB398
- **Minimum Bending Radius**
  30x cable Ø
- **Permitting long-term operating temperature**
  75℃

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

Main data

Size mm^2	Conductor		Rated strength	Max.DC. Resistance at 20℃	Overall diameter mm	Approx. weight Kg/km
	Aluminium alloy single wire					
	Nos.	Diameter	KN	Ω/km		
50	7	3.0	13.82	0.6755	9.0	135
120	19	2.8	32.68	0.2854	14.0	322

HENAN JINSHUI CABLE GROUP CO., LTD
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0.6/1KV AI/XLPE/PVC CONCENTRIC CABLE

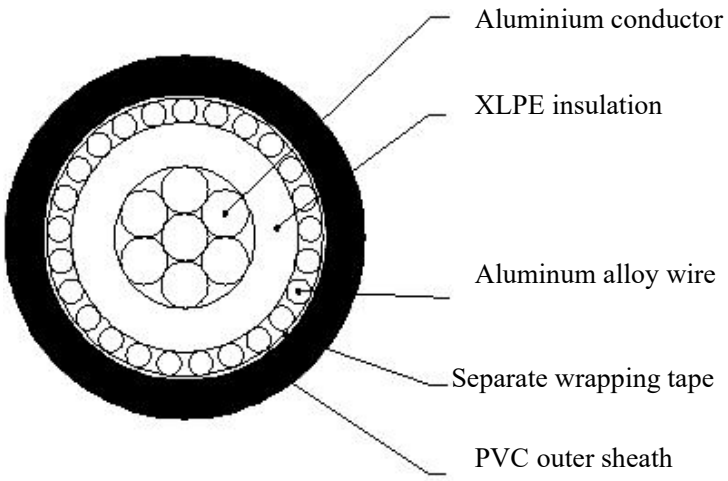
Technical Data **AL/XLPE/PVC 0.6/1KV**

- Cable comply with IEC 60502 part 1
- **Temperature Range**
  -15°C to 50°C
- **Nominal Voltage**
  U_0/U 0.6/1kV
- **Test Voltage** 3.5kV/5min
- **Minimum Bending Radius**
  15x cable Ø
- **Permitting long-term operating temperature**
  90℃

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 mm²	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℃ Ω/km
2X6	7/1.05	0.7	0.5	1.4	8.9	91	4.61