

# NA2XSJ Aluminium Conductor XLPE PVC - 6/10 (12)kV Cable



## APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts.

## CHARACTERISTICS

### Voltage Rating $U_0/U$ (Um)

6/10 (12)kV

### Temperature Rating

Fixed: -20°C to +90°C

### Minimum Bending Radius

15 x overall diameter

## STANDARDS

EN 60228, IEC 60502-2

Flame retardant according to IEC/EN 60332-1-2

## THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

## SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

## CONSTRUCTION

### Conductor

Class 2 stranded aluminium conductor

### Inner Semi-Conductive Layer

Semi-conductive material

### Insulation

XLPE (Cross-Linked Polyethylene)

### Outer Semi-Conductive Layer

Semi-conductive material

### Screen

Copper wires

### Sheath

PVC (Polyvinyl Chloride)

### Sheath Colour

● Black

## DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		NOMINAL OVERALL DIAMETER	NOMINAL WEIGHT
	Conductor	Copper Wire Screen	mm	kg/km
1	35	16	28	700
1	50	16	29	750
1	70	16	31	850
1	95	16	32	950
1	120	16	34	1050
1	150	25	35	1300
1	185	25	37	1400
1	240	25	39	1650
1	300	25	40	1850
1	400	35	45	2300

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
35	16	145	153
50	16	171	183
70	16	208	228
95	16	248	278
120	16	283	321
150	25	315	364
185	25	357	418
240	25	413	494
300	25	466	568
400	35	529	660

Derating factor (ground): 1 (Soil thermal resistivity: 1km/W, Depth 0.8m, Flat formation - touching)

Derating factor (air): 1 (Flat formation - touching)