

# NA2XSY Aluminium Conductor XLPE PVC - 18/30 (36)kV Cable



## APPLICATION

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

## CHARACTERISTICS

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

18/30 (36)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	50	16	41	1190
1	70	16	42	1315
1	95	16	43	1450
1	120	16	45	1580
1	150	25	47	1800
1	185	25	49	1965
1	240	25	51	2230
1	300	25	53	2470
1	400	35	56	2920

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	175	187
70	16	214	232
95	16	256	281
120	16	290	323
150	25	324	365
185	25	366	418
240	25	426	494
300	25	479	564
400	35	545	654

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

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