

NA2XSY Aluminium Conductor XLPE PVC - 12/20 (24)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)

12/20 (24)kV

Temperature Rating

Fixed: -20°C to +70°C

Flexed: -5°C to +70°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 ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
	Conductor	Copper Wire Screen		
1	50	16	33	950
1	70	16	35	1050
1	95	16	36	1150
1	120	16	38	1300
1	150	25	39	1500
1	185	25	41	1650
1	240	25	44	1850
1	300	25	46	2100
1	400	35	49	2550

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	172	185
70	16	210	231
95	16	251	280
120	16	285	323
150	25	319	366
185	25	361	420
240	25	417	496
300	25	471	569
400	35	535	660

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

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