

NA2XSH / NA2XSEH 12/20 (24)kV Cable



APPLICATION

UV resistant Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. LSZH outer sheath allows internal and external installation including directly in ground and in cable ducts.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

12/20 (24)kV

Temperature Rating

Permissible operating temperature of conductor: +90°C

Permissible short-circuit temperature up to 5 sec: +250°C

Minimum Bending Radius

15 x overall diameter

STANDARDS

IEC 60502-2,

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

Low Smoke Zero Halogen according to IEC/EN 61034-1/2,

IEC/EN 60754-1/2

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 Screen

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene)

Insulation Screen

Semi-conductive material

Filler

LSZH (Low Smoke Zero Halogen)

Screen

Copper Wires and copper tape

Outer Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

- Black

DIMENSIONS

NO.OF CORES	NOMINAL CROSS SECTIONAL AREA mm ² Conductor	NOMINAL CROSS SECTIONAL AREA mm ² Copper Wire Screen	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
1	35	16	27.0	800.0
1	50	16	28.0	850.0
1	70	16	30.0	950.0
1	95	16	32.00	1100.0
1	120	16	33.0	1200.0
1	150	25	34.0	1400.0
1	185	25	36.0	1600.0
1	240	25	38.0	1800.0
1	300	25	38.0	2000.0
1	400	35	43.0	2500.0
1	500	35	46.0	2900.0
1	630	35	50.0	3500.0
3	35	16	52.0	2750.0
3	50	16	55.0	3000.0
3	70	16	60.0	3500.0
3	95	16	63.0	4200.0
3	120	16	66.0	4500.0
3	150	25	70.0	5250.0
3	185	25	73.0	5800.0
3	240	25	79.0	6800.0
3	300	25	84.0	7800.0
3	400	25	90.0	9400.0

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR kA	CONDUCTOR DC RESITANCE AT 20°C Ohm/km	CONDUCTOR AC RESISTANCE BY MAX. TEMPERATURE Ohm/km	CURRENT CARRYING CAPACITY In Ground at 20°C	CURRENT CARRYING CAPACITY In Air at 30°C
35	3.29	0.868	1.120	145	154
50	4.70	0.641	0.825	195	217
70	6.58	0.443	0.570	237	270
95	8.93	0.320	0.412	282	328
120	11.28	0.253	0.328	320	378
150	14.10	0.206	0.268	353	425
185	17.39	0.164	0.213	396	485
240	22.56	0.125	0.163	457	573
300	28.20	0.100	0.132	511	652
400	37.60	0.078	0.103	566	740
500	47.00	0.0605	0.081	630	838
630	59.22	0.0469	0.064	701	882

NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR kA	CONDUCTOR DC RESITANCE AT 20°C Ohm/km	CONDUCTOR AC RESISTANCE BY MAX. TEMPERATURE Ohm/km	CURRENT CARRYING CAPACITY (A) In Ground 20°C	CURRENT CARRYING CAPACITY (A) In Air 30°C
35	3.29	0.868	1.12	142	140
50	4.700	0.641	0.825	167.0	167.0
70	6.580	0.443	0.570	205.0	208.0
95	8.930	0.320	0.412	244.0	251.0
120	11.280	0.253	0.328	279.0	291.0
150	14.100	0.206	0.268	312.0	329.0
185	17.3900	0.164	0.213	355.0	379.0
240	22.5600	0.125	0.1630	412.0	446.0
300	28.2000	0.100	0.1320	476.0	513.0
400	37.6000	0.0780	0.1030	552.0	593.0

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.