

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

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

Sheath

LSZH (Low Smoke Zero Halogen) -

UV Resistant

Sheath Colour

● Black

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.

DIMENSIONS

NO. OF CORE	NOMINAL CROSS SECTIONAL AREA		NOMINAL OVERALL DIAMETER	NOMINAL WEIGHT
	Conductor	Copper Wire Screen	mm	KG/KM
1	35	16	27	800
1	50	16	28	850.0
1	70	16	30	950.0
1	95	16	32	1100.0
1	120	16	33	1200.0
1	150	25	34	1400.0
1	185	25	36	1600.0
1	240	25	38	1800.0
1	300	25	38	2000.0
1	400	35	43	2500.0
1	500	35	46	2900.0
1	630	35	50	3500.0
3	35	16	52	2750.0
3	50	16	55	3000
3	70	16	60	3500
3	95	16	63	4200
3	120	16	66	4500
3	150	25	70	5250
3	185	25	73	5800
3	240	25	79	6800
3	300	25	84	7800
3	400	25	90	9400

ELECTRICAL CHARACTERISTICS

Single Core

NOMINAL CROSS SECTIONAL AREA OF CONDUCTOR	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR	CONDUCTOR DC RESISTANCE AT 20°C	CONDUCTOR AC RESISTANCE MAX. TEMPERATUER	CURRENT CARRYING CAPACITY A	
				In ground at 20°C	In Air at 30°C
mm2	KA	ohm/km	ohm/km		
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	270.00
95	8.93	0.32	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	28.200	0.1000	0.132	511	652
400	37.6000	0.0780	0.103	566	740
500	47	0.0605	0.081	630	838
630	59.22	0.0469	0.064	701	882

Multi Core

NOMINAL CROSS SECTIONAL AREA OF CONDUCTOR	NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND OF CONDUCTOR	CONDUCTOR DC RESISTANCE AT 20°C	CONDUCTOR AC RESISTANCE MAX. TEMPERATUER	CURRENT CARRYING CAPACITY A	
				In ground at 20°C	In Air at 30°C
mm2	KA	ohm/km	ohm/km		
35	3.29	0.868	1.120	142	140
50	4.70	0.641	0.825	167	167
70	6.58	0.443	0.570	205	208.00
95	8.93	0.320	0.412	244	251
120	11.28	0.253	0.328	279	291
150	14.10	0.206	0.268	312	329
185	17.39	0.164	0.213	355	379
240	22.56	0.125	0.163	412	446
300	28.20	0.100	0.132	476	513
400	37.60	0.078	0.103	552	593

Air ambient temperature: 30°C

Ground ambient temperature: 20°C

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.