

N2XS(FL)2Y 6/10 (12)kV Cable



APPLICATION

Medium voltage power cables for distribution networks and generation units, suitable for external installation including direct in ground and in buried cable ducts. UV Resistant.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

8.7/15 (17.5)kV

Temperature Rating

Maximum Conductor Operating Temperature: 90°C

Maximum Screen Operating Temperature: 80°C

Maximum Conductor Temperature During S.C.: 250°C

Minimum Bending Radius

20 x Outer diameter

STANDARDS

IIEC 60502-2, IEC 60228

UV Resistant

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 Circular Compacted Copper

Inner Semi Conductor

Extruded Inner Semi Conductor
(Bonded Type)

Insulation

XLPE (Cross-Linked Polyethylene) 90°C

Outer Semi Conductor

Extruded Outer Semi Conductor
(Strippable Type)

Semi Conductive Water Blocking Tape

Screen

Copper Wires and Open Helix Copper Tape

Non-Conductive Water Blocking Tape

Aluminium Tape

Outer Sheath

MDPE (Medium Density Polyethylene)

Sheath Colour

● Black

DIMENSIONS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA	NOMINAL SCREEN CROSS SECTIONAL AREA	NOMINAL INSULATION THICKNESS	NOMINAL SHEATH THICKNESS	NOMINAL OVERALL DIAMTER	NOMINAL WEIGHT
	mm ²	mm ²	mm	mm	mm	kg/km
1	50	16	4.5	1.7	26.6	1008
1	70	16	4.5	1.8	28.6	1243
1	95	16	4.5	1.8	29.9	1505
1	120	16	4.5	1.9	31.5	1768
1	150	25	4.5	2	33.5	2155
1	185	25	4.5	2	35.0	2501
1	240	25	4.5	2.1	37.4	3086
1	300	25	4.5	2.2	40	3675
1	400	35	4.5	2.3	43	4609
1	500	35	4.5	2.4	46.60	5619
1	630	35	4.5	2.5	51.50	7060
1	800	35	4.5	2.6	55.8	8863

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/km	MAXIMUM CONDUCTOR AC RESISTANCE AT OPERATING TEMP. AND 50HZ Ω/km	CAPACITANCE uF/km	CHARGING CURRENT A/km	DIELECTRIC LOSSES W/km	REACTANCE AT 50 HZ ohm/km	CONDUCTOR S.C.C 1SEC kA	COPPER SCREEN S.C.C FOR 1SEC kA	CURRENT RATING A	
									Laid in ground	Lain in free air
50	0.387	0.494	0.214	0.586	20.37	0.135	7.15	1.75	210	221
70	0.268	0.342	0.245	0.67	23.29	0.127	10.01	1.75	254	278
95	0.193	0.247	0.267	0.73	25.39	0.122	13.585	1.75	302	336
120	0.153	0.196	0.29	0.794	27.64	0.118	17.16	1.75	342	389
150	0.124	0.159	0.317	0.868	30.20	0.114	21.45	2.73	383	440
185	0.0991	0.128	0.343	0.937	32.59	0.110	26.455	2.73	432	506
240	0.0754	0.098	0.383	1.047	36.42	0.105	34.32	2.73	497	599
300	0.0601	0.078	0.423	1.156	40.23	0.102	42.9	2.73	558	690
400	0.047	0.062	0.466	1.275	44.35	0.098	57.2	3.82	625	794
500	0.0366	0.049	0.523	1.429	49.74	0.095	71.5	3.82	703	914
630	0.0283	0.039	0.601	1.643	57.17	0.093	90.09	3.82	780	1037
800	0.0221	0.032	0.669	1.829	63.65	0.090	114.4	3.82	850	1166

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.