



N2XSERGBY/NA2XSERGBY (Cu(AL)/XLPE/CTS/PVC/SWA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30KV

CABLE STRUCTURE:

Conductor:

Compact stranded copper conductor,
Cl.2 as per IEC 60228

Conductor Screen: Semi-conductor

Insulation: XLPE rated at 90°C

ID Tape: Red/Yellow/Black

Metallic Screen:

Copper Tape Screen Polyester Tape

Separation Sheath (for armoured cable):

PVC inner Sheath(Fully extruded)

Armoring: Galvanized Steel Round Wire

Armor Galvanized Steel Tape

Sheath: PVC or FR-PVC type ST2/ST8 to
IEC 60502, black

CODE DESIGNATION:

China:

YJ: XLPE insulation

V: PVC sheath

32: Double galvanized steel wire
armoring-3 cores

62: Double stainless steel tape
armoring-1 core

ZR: Flame resistant

European Union:

N2XSERGBY/NA2XSERGBY

TECHNICAL DATA:

Rated voltage:

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Maximum Conductor Temperature:

under normal (90°C), emergency (130°C)
or short circuit no more than 5s(250°C) conditions.

Min.Ambient Temp.-20°C

Installation Temp.0°C

Min.Bending Radius:

15 x cable O.D for single core

12 x cable O.D for multi core

STANDARD:

International:

IEC 60502, IEC 60228,(IEC 60332-3
for ZR-YJV32, ZR-YJV62 only)

China:

GB/T 12706,(GB/T 18380-3 for ZR-YJV32,ZR-YJV62 only)

European standard:

DIN VDE 0276-620, HD 620 S2,
IEC/EN 60228, IEC/EN 60502-2

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

Indonesian Standard:

Conductor: SNI IEC 60228

Insulation: SNI IEC 60502-2

Other standards

such as BS, DIN and ICEA upon request

APPLICATION:

For installation in the ground, indoors, cable
trunking and outdoors if increased mechanical
protection is required or where high-pulling
stresses may occur during installation
or operation.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





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Specifications

N2XSERGby 3.6/6KV

Nom.Cross-section Area	Overall Diameter	Cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacity at 30°C	
				In Air	In Ground
mm²	mm	km/kg	Ω/km	A	
3×25	43	3660	0.727	133	132
3×35	45	4175	0.524	172	170
3×50	49	5260	0.387	205	201
3×70	53	6330	0.268	256	245
3×95	57	7555	0.193	312	294
3×120	60	8640	0.153	359	334
3×150	63	9840	0.124	409	375
3×185	68	11510	0.0991	468	424
3×240	76	14490	0.0754	552	492
3×300	82	17587	0.0601	627	552



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Specifications

N2XSERGbY 6/10KV

Nom.Cross-section Area	Overall Diameter	Cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacity at 30°C	
				In Air	In Ground
mm ²	mm	km/kg	Ω/km	A	
3 × 25	48	4600	0.727	134	133
3 × 35	51	5220	0.524	173	171
3 × 50	54	5925	0.387	206	202
3 × 70	57	6985	0.268	257	246
3 × 95	62	8310	0.193	313	295
3 × 120	65	9415	0.153	360	335
3 × 150	68	10572	0.124	410	376
3 × 185	75	13015	0.0991	469	425
3 × 240	78	15424	0.0754	553	493
3 × 300	85	18210	0.0601	628	553

N2XSERGbY 12/20KV

Nom.Cross-section Area	Overall Diameter	Cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacity at 30°C	
				In Air	In Ground
mm ²	mm	km/kg	Ω/km	A	
3 × 35	61	6748	0.524	173	171
3 × 50	64	7588	0.387	206	202
3 × 70	68	8720	0.268	257	246
3 × 95	72	10075	0.193	313	295
3 × 120	76	12082	0.153	360	335
3 × 150	79	13325	0.124	410	376
3 × 185	84	15310	0.0991	469	425
3 × 240	89	17685	0.0754	553	492
3 × 300	95	20480	0.0601	629	554



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Specifications

N2XSERGbY 8.7/15KV

Nom.Cross-section Area	Overall Diameter	Cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacity at 30°C	
				In Air	In Ground
mm ²	mm	km/kg	Ω/km	A	
3 × 25	54	5432	0.727	134	132
3 × 35	56	5992	0.524	173	171
3 × 50	59	6723	0.387	206	202
3 × 70	63	7922	0.268	257	246
3 × 95	67	9210	0.193	313	295
3 × 120	70	10355	0.153	360	335
3 × 150	73	11530	0.124	410	376
3 × 185	79	14275	0.0991	469	425
3 × 240	84	16650	0.0754	553	492
3 × 300	90	19354	0.0601	629	554

N2XSERGbY 18/30KV

Nom.Cross-section Area	Overall Diameter	Cable Weight	DC Resistance at 20°C Conductor min	Current Carrying Capacity at 30°C	
				In Air	In Ground
mm ²	mm	km/kg	Ω/km	A	
3 × 35	61	6748	0.524	173	171
3 × 50	64	7588	0.387	206	202
3 × 70	68	8720	0.268	257	246
3 × 95	72	10075	0.193	313	295
3 × 120	76	12082	0.153	360	335
3 × 150	79	13325	0.124	410	376
3 × 185	84	15310	0.0991	469	425
3 × 240	89	17685	0.0754	553	492
3 × 300	95	20480	0.0601	629	554