



N2XSEBY/NA2XSEBY (Cu(AI)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

CABLE STRUCTURE:

Conductor:

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

Conductor Screen:Semi-conductor

Insulation:

XLPE(cross-linked polyethylene) rated at 90°C

Insulation Screen: Semi-conductor

Screen: Copper tape

Filler: non hygroscopic filler(PP)

Inner covering: PVC

Armoring:

Double stainless steel tape - 1 core

Double galvanized steel tape - 3 cores

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

CODE DESIGNATION:

China:

YJ: XLPE insulation

V:PVC sheath

22:Double galvanized steel tape armoring-3 cores

62:Double stainless steel tape armoring-1 core

ZR: Flame resistant

European Union: N2XSEBY/NA2XSEBY

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.

TECHNICAL DATA:

Rated voltage:

3.6/6, 6/10, 8.7/15, 12/20, 18/30,
21/35, 26/35 KV

Maximum Conductor Temperature:

under normal (90°C), emergency (130°C)
or short circuit 1 o more than 5s(250°C) conditions.

Min.Ambient Temp.-20°C

Installation Temp.0°C

Min.Bending Radius:

15 × cable O.D for single core

12 × cable O.D for multi core

APPLICATION:

Wiring environment apply to shafts,
water and soil,able to stand the larger
positive pressure.

STANDARD:

International:

IEC 60502, IEC 60228,(IEC 60332-3 for
ZR-YJV22, ZR-YJV62 only)

China:

GB/T 12706,(GB/T 18380-3 for
ZR-YJV22,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





N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 3.6/6 KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20 °C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	2.5	1.0	2×0.2	1.8	15.0	726	0.7270	12.5	140	150
1×35	2.5	1.0	2×0.2	1.8	16.0	845	0.5240	12.5	170	180
1×50	2.5	1.0	2×0.2	1.8	17.0	1000	0.3870	12.5	205	215
1×70	2.5	1.0	2×0.2	1.8	19.0	1221	0.2680	12.5	260	265
1×95	2.5	1.0	2×0.2	1.8	20.0	1468	0.1930	12.5	315	315
1×120	2.5	1.0	2×0.2	1.8	21.0	1719	0.1530	12.5	360	360
1×150	2.5	1.0	2×0.2	1.9	23.0	2022	0.1240	12.5	410	405
1×185	2.5	1.0	2×0.2	1.9	24.0	2358	0.0991	12.5	470	455
1×240	2.6	1.2	2×0.5	2.1	27.0	3169	0.0754	12.5	555	530
1×300	2.8	1.2	2×0.5	2.1	29.0	3770	0.0601	12.5	640	595
1×400	3.0	1.2	2×0.5	2.3	33.0	4786	0.0470	12.5	745	680
1×500	3.2	1.2	2×0.5	2.4	37.0	5875	0.0366	12.5	885	765
3×25	2.5	1.2	2×0.5	2.3	41.0	2816	0.7270	12.5	120	125
3×35	2.5	1.3	2×0.5	2.3	43.0	3254	0.5240	12.5	140	155
3×50	2.5	1.3	2×0.5	2.4	47.0	3842	0.3870	12.5	165	180
3×70	2.5	1.4	2×0.5	2.6	50.0	4706	0.2680	12.5	210	220
3×95	2.5	1.5	2×0.5	2.7	53.0	5646	0.1930	12.5	255	265
3×120	2.5	1.5	2×0.5	2.8	57.0	6580	0.1530	12.5	290	300
3×150	2.5	1.6	2×0.5	2.9	60.0	7659	0.1240	12.5	330	340
3×185	2.5	1.7	2×0.5	3.0	64.0	8946	0.0991	12.5	375	380
3×240	2.6	1.8	2×0.5	3.2	69.0	10972	0.0754	12.5	435	435
3×300	2.8	1.9	2×0.5	3.4	75.0	13194	0.0601	12.5	495	485
3×400	3.0	2.0	2×0.8	3.7	83.0	17489	0.0470	12.5	565	520



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 6/10KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	3.4	1.0	2×0.2	1.8	16	808	0.727	21	140	150
1×35	3.4	1.0	2×0.2	1.8	17	930	0.524	21	170	180
1×50	3.4	1.0	2×0.2	1.8	19	1087	0.387	21	205	215
1×70	3.4	1.0	2×0.2	1.8	20	1314	0.268	21	260	265
1×95	3.4	1.0	2×0.2	1.9	22	1576	0.193	21	315	315
1×120	3.4	1.0	2×0.2	1.9	23	1831	0.153	21	360	360
1×150	3.4	1.0	2×0.2	1.9	24	2126	0.124	21	410	405
1×185	3.4	1.2	2×0.5	2.0	26	2723	0.0991	21	470	455
1×240	3.4	1.2	2×0.5	2.1	28	3284	0.0754	21	555	530
1×300	3.4	1.2	2×0.5	2.2	30	3877	0.0601	21	640	595
1×400	3.4	1.2	2×0.5	2.3	34	4889	0.047	21	745	680
1×500	3.4	1.4	2×0.5	2.5	38	5992	0.0366	21	885	765
3×25	3.4	1.6	2×0.5	2.5	46	3010	0.727	21	120	125
3×35	3.4	1.6	2×0.5	2.6	48	3498	0.524	21	140	155
3×50	3.4	1.8	2×0.5	2.6	51	4135	0.387	21	165	180
3×70	3.4	1.8	2×0.5	2.8	55	4958	0.268	21	210	220
3×95	3.4	2.0	2×0.5	2.9	58	5976	0.193	21	255	265
3×120	3.4	2.0	2×0.5	3.0	61	6969	0.153	21	290	300
3×150	3.4	2.0	2×0.5	3.1	64	8161	0.124	21	330	340
3×185	3.4	2.2	2×0.5	3.2	68	8417	0.0991	21	375	380
3×240	3.4	2.2	2×0.5	3.4	73	11340	0.0754	21	435	435
3×300	3.4	2.2	2×0.5	3.5	78	14247	0.0601	21	495	485
3×400	3.4	2.2	2×0.8	3.8	86	17510	0.047	21	565	520



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 8.7/15KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	4.5	1.0	2×0.2	1.9	19	915	0.727	30.5	140	150
1×35	4.5	1.0	2×0.2	1.9	20	1040	0.524	30.5	170	180
1×50	4.5	1.0	2×0.2	1.9	21	1201	0.387	30.5	205	215
1×70	4.5	1.0	2×0.2	2	23	1445	0.268	30.5	260	265
1×95	4.5	1.0	2×0.2	2	24	1700	0.193	30.5	315	315
1×120	4.5	1.2	2×0.2	2.1	25	2005	0.153	30.5	360	360
1×150	4.5	1.2	2×0.5	2.2	27	2538	0.124	30.5	410	405
1×185	4.5	1.2	2×0.5	2.2	28	2896	0.0991	30.5	470	455
1×240	4.5	1.2	2×0.5	2.3	30	3466	0.0754	30.5	555	530
1×300	4.5	1.2	2×0.5	2.4	32	4067	0.0601	30.5	640	595
1×400	4.5	1.4	2×0.5	2.5	36	5138	0.047	30.5	745	680
1×500	4.5	1.4	2×0.5	2.6	40	6194	0.0366	30.5	885	765
3×25	4.5	1.6	2×0.5	2.6	51	3500	0.727	30.5	120	125
3×35	4.5	1.6	2×0.5	2.7	53	3980	0.524	30.5	140	155
3×50	4.5	1.8	2×0.5	2.8	56	4679	0.387	30.5	165	180
3×70	4.5	1.8	2×0.5	3	58	5410	0.268	30.5	210	220
3×95	4.5	2.0	2×0.5	3.1	63	6567	0.193	30.5	255	265
3×120	4.5	2.0	2×0.5	3.2	66	7541	0.153	30.5	290	300
3×150	4.5	2.0	2×0.5	3.3	70	8674	0.124	30.5	330	340
3×185	4.5	2.2	2×0.5	3.4	73	9991	0.0991	30.5	375	380
3×240	4.5	2.2	2×0.8	3.6	79	11887	0.0754	30.5	435	435
3×300	4.5	2.2	2×0.8	3.7	83	14974	0.0601	30.5	495	485
3×400	4.5	2.2	2×0.8	4	92	18230	0.047	30.5	565	525



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 12/20KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Q/km	kV/5min	In air(A)	In soil(A)
1×35	5.5	1.0	2×0.2	1.9	22.0	1158	0.524	30.5	170	180
1×50	5.5	1.0	2×0.2	1.9	23.0	1323	0.387	30.5	205	215
1×70	5.5	1.0	2×0.2	2.0	25.0	1574	0.268	30.5	260	265
1×95	5.5	1.2	2×0.5	2.0	26.0	2076	0.193	30.5	315	315
1×120	5.5	1.2	2×0.5	2.1	27.0	2368	0.153	30.5	360	360
1×150	5.5	1.2	2×0.5	2.1	29.0	2684	0.124	30.5	410	405
1×185	5.5	1.2	2×0.5	2.3	30.0	3062	0.0991	30.5	470	455
1×240	5.5	1.2	2×0.5	2.4	32.0	3640	0.0754	30.5	555	530
1×300	5.5	1.2	2×0.5	2.4	34.0	4231	0.0601	30.5	640	595
1×400	5.5	1.4	2×0.5	2.6	38.0	5336	0.047	30.5	745	680
1×500	5.5	1.4	2×0.5	2.7	42.0	6405	0.0366	30.5	885	765
3×35	5.5	1.8	2×0.5	2.9	58.0	4840	0.524	30.5	140	155
3×50	5.5	1.8	2×0.5	3.0	61.0	5463	0.387	30.5	165	180
3×70	5.5	2.0	2×0.5	3.1	65.0	6446	0.268	30.5	210	220
3×95	5.5	2.0	2×0.5	3.2	68.0	7457	0.193	30.5	255	265
3×120	5.5	2.0	2×0.5	3.3	71.0	8459	0.153	30.5	290	300
3×150	5.5	2.2	2×0.5	3.4	75.0	10555	0.124	30.5	330	340
3×185	5.5	2.2	2×0.5	3.5	78.0	11925	0.0991	30.5	375	380
3×240	5.5	2.2	2×0.8	3.7	83.0	13959	0.0754	30.5	435	435
3×300	5.5	2.2	2×0.8	3.9	88.0	16314	0.0601	30.5	495	485
3×400	5.5	2.3	2×0.8	4.1	95.0	19032	0.047	30.5	565	520



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 18/30KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductorr (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	8.0	1.2	2×0.5	2.1	29.0	1988	0.387	30.5	210	215
1×70	8.0	1.2	2×0.5	2.2	30.0	2272	0.268	30.5	260	265
1×95	8.0	1.2	2×0.5	2.2	32.0	2573	0.193	30.5	320	315
1×120	8.0	1.4	2×0.5	2.3	33.0	2884	0.153	30.5	370	360
1×150	8.0	1.4	2×0.5	2.3	34.0	3256	0.124	30.5	420	405
1×185	8.0	1.4	2×0.5	2.4	36.0	3635	0.0991	30.5	480	455
1×240	8.0	1.4	2×0.5	2.5	38.0	4240	0.0754	30.5	565	530
1×300	8.0	1.4	2×0.5	2.5	40.0	4874	0.0601	30.5	650	595
1×400	8.0	1.4	2×0.5	2.7	44.0	5934	0.047	30.5	755	680
1×500	8.0	1.6	2×0.5	2.8	47.0	7045	0.0366	30.5	865	765
3×50	8.0	1.8	2×0.5	3.3	75.0	7200	0.387	30.5	165	180
3×70	8.0	1.8	2×0.5	3.5	78.0	8230	0.268	30.5	210	220
3×95	8.0	1.8	2×0.8	3.6	81.0	9410	0.193	30.5	255	265
3×120	8.0	1.8	2×0.8	3.7	85.0	11120	0.153	30.5	290	300
3×150	8.0	1.8	2×0.8	3.8	88.0	12400	0.124	30.5	330	340
3×185	8.0	1.8	2×0.8	4	91.0	13910	0.0991	30.5	375	380
3×240	8.0	2.0	2×0.8	4.1	97.0	16080	0.0754	30.5	435	435
3×300	8.0	2.0	2×0.8	4.3	101.0	18500	0.0601	30.5	495	485
3×400	8.0	2.0	2×0.8	4.5	109.0	21920	0.047	30.5	565	520



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 21/35KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	9.3	1.2	2×0.5	2.2	32.0	2229	0.387	73.5	220	215
1×70	9.3	1.2	2×0.5	2.3	33.0	2523	0.268	73.5	270	265
1×95	9.3	1.3	2×0.5	2.4	35.0	2853	0.193	73.5	330	315
1×120	9.3	1.4	2×0.5	2.4	36.0	3172	0.153	73.5	375	360
1×150	9.3	1.4	2×0.5	2.5	37.0	3531	0.124	73.5	425	400
1×185	9.3	1.4	2×0.5	2.5	39.0	3916	0.0991	73.5	485	455
1×240	9.3	1.4	2×0.5	2.6	41.0	4533	0.0754	73.5	560	525
1×300	9.3	1.4	2×0.5	2.7	43.0	5177	0.0601	73.5	650	595
1×400	9.3	1.6	2×0.5	2.8	46.0	6285	0.047	73.5	760	680
1×500	9.3	1.6	2×0.5	2.9	50.0	7351	0.0366	73.5	875	775
3×50	9.3	1.8	2×0.8	3.6	82.0	8376	0.387	73.5	185	200
3×70	9.3	1.8	2×0.8	3.7	85.0	9442	0.268	73.5	230	250
3×95	9.3	1.8	2×0.8	3.8	88.0	10573	0.193	73.5	280	300
3×120	9.3	1.8	2×0.8	3.9	92.0	11690	0.153	73.5	310	330
3×150	9.3	2.0	2×0.8	4.0	95.0	12957	0.124	73.5	360	380
3×185	9.3	2.0	2×0.8	4.1	99.0	14423	0.0991	73.5	400	425
3×240	9.3	2.0	2×0.8	4.3	104.0	16717	0.0754	73.5	470	490
3×300	9.3	2.0	2×0.8	4.4	108.0	18856	0.0601	73.5	540	555
3×400	9.3	2.0	2×0.8	4.7	116.0	20995	0.047	73.5	610	625



N2XSEBY/NA2XSEBY (Cu(Al)/XLPE/CTS/PVC/DSTA/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35 KV

Specifications

N2XSEBY 26/35KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Steel Tape Thickness	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	10.5	1.2	2×0.5	2.3	34.0	2441	0.387	91	220	215
1×70	10.5	1.4	2×0.5	2.4	36.0	2788	0.268	91	270	265
1×95	10.5	1.4	2×0.5	2.4	37.0	3083	0.193	91	330	315
1×120	10.5	1.4	2×0.5	2.5	38.0	3407	0.153	91	375	360
1×150	10.5	1.4	2×0.5	2.5	40.0	3750	0.124	91	425	400
1×185	10.5	1.4	2×0.5	2.6	41.0	4163	0.0991	91	485	455
1×240	10.5	1.4	2×0.5	2.7	44.0	4790	0.0754	91	560	525
1×300	10.5	1.6	2×0.5	2.8	46.0	5498	0.0601	91	650	595
1×400	10.5	1.6	2×0.5	2.9	49.0	6568	0.047	91	760	680
1×500	10.5	1.6	2×0.5	3.0	52.0	7648	0.0366	91	875	775
3×50	10.5	2.0	2×0.8	3.7	87.0	9975	0.387	91	185	200
3×70	10.5	2.0	2×0.8	3.9	90.0	10927	0.268	91	230	250
3×120	10.5	2.2	2×0.8	4.1	99.0	13451	0.153	91	310	330
3×150	10.5	2.2	2×0.8	4.2	100.0	14907	0.124	91	360	380
3×185	10.5	2.3	2×0.8	4.3	106.0	16501	0.0991	91	400	425
3×240	10.5	2.4	2×0.8	4.5	112.0	18826	0.0754	91	470	490
3×300	10.5	2.6	2×0.8	4.6	115.0	19114	0.0601	91	545	555
3×400	10.5	2.6	2×0.8	4.9	123.0	22818	0.047	91	635	625