



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC) 3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

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)

Sheath:

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

CODE DESIGNATION:

China:

YJ: XLPE insulation

V: PVC sheath

ZR: Flame resistant

European Union:

N2XSEY/NA2XSEY

APPLICATION:

For indoors and outdoors wiring work.
Able to stand certain level traction during
installation, but not external mechanical
forces. single core cable wiring job in
magnetic ducts is forbidden.

TECHNICAL DATA:

Rated voltage:

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

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:

20 x cable O.D for single core

15 x cable O.D for multi core

STANDARD:

International:

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

China:

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

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.





N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 3.6/6KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	KV/5min	In air(A)	In soil(A)
1×25	2.5	1.5	18	619	0.727	12.5	135	150
1×35	2.5	1.5	19	737	0.524	12.5	165	180
1×50	2.5	1.6	20	901	0.387	12.5	200	215
1×70	2.5	1.6	22	1128	0.268	12	250	265
1×95	2.5	1.7	23	1391	0.193	12.5	305	315
1×120	2.5	1.8	25	1655	0.153	12.5	355	360
1×150	2.5	1.8	26	1961	0.124	12.5	405	405
1×185	2.5	1.9	28	2334	0.0991	12.5	465	455
1×240	2.6	1.9	30	2904	0.0754	12.5	550	530
1×300	2.8	2	33	3547	0.0601	12.5	635	595
1×400	3	2.2	37	4572	0.047	12.5	745	680
1×500	3.2	2.3	41	5630	0.0366	12.5	855	765
1×630	3.2	2.4	45	6922	0.0283	12.5	980	860
1×800	3.2	2.5	50	8252	0.0221	12.5	1130	950
1×1000	3.2	2.6	54.8	10548	0.0176	12.5	1240	1040
3×25	2.5	2.1	37	1858	0.727	12.5	120	125
3×35	2.5	2.2	39	2244	0.524	12.5	145	155
3×50	2.5	2.3	40	2767	0.387	12	175	180
3×70	2.5	2.4	45	3494	0.268	12.5	215	220
3×95	2.5	2.5	48	4334	0.193	12.5	265	265
3×120	2.5	2.6	51	5181	0.153	12.5	305	300
3×150	2.5	2.7	54	6154	0.124	12.5	345	340
3×185	2.5	2.9	58	7334	0.0991	12.5	400	380
3×240	2.6	3	63	9146	0.0754	12.5	470	435
3×300	2.8	3.2	69	11176	0.0601	12.5	535	485
3×400	3	3.5	77	14359	0.047	12.5	620	520



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 6/10KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1 × 25	3.4	2	20	598	0.727	21	140	150
1 × 35	3.4	2	22	719	0.524	21	175	180
1 × 50	3.4	2	23	884	0.387	21	205	215
1 × 70	3.4	2	24	1097	0.268	21	260	265
1 × 95	3.4	2	26	1378	0.193	21	315	315
1 × 120	3.4	2	28	1658	0.153	21	365	360
1 × 150	3.4	2	30	1967	0.124	21	415	405
1 × 185	3.4	2	31	2335	0.0991	21	475	455
1 × 240	3.4	2	34	2908	0.0754	21	565	530
1 × 300	3.4	2	36	3507	0.0601	21	645	595
1 × 400	3.4	2.5	39	4503	0.047	21	750	680
1 × 500	3.4	2.5	42	5479	0.0366	21	865	765
1 × 630	3.4	2.5	48	6952	0.0283	21	990	860
1 × 800	3.4	2.6	52	7120	0.0221	21	1140	950
1 × 1000	3.4	2.8	57	10500	0.0176	21	1250	1040
3 × 25	3.4	2.3	41	895	0.727	21	120	125
3 × 35	3.4	2.4	44	2293	0.524	21	145	155
3 × 50	3.4	2.5	46	2812	0.387	21	175	180
3 × 70	3.4	2.6	50	3508	0.268	21	220	220
3 × 95	3.4	2.7	53	4402	0.193	21	265	265
3 × 120	3.4	2.8	56	5319	0.153	21	305	300
3 × 150	3.4	2.9	59	6309	0.124	21	350	340
3 × 185	3.4	3	62	7319	0.0991	21	395	380
3 × 240	3.4	3.2	68	9218	0.0754	21	470	435
3 × 300	3.4	3.4	72	11159	0.0601	21	535	485
3 × 400	3.4	3.6	81	15107	0.047	21	610	520



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 8.7/15KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1 × 25	4.5	1.8	23.0	680	0.7270	30.5	140	150
1 × 35	4.5	1.8	24.0	804	0.5240	30.5	175	180
1 × 50	4.5	1.9	25.0	984	0.3870	30.5	205	215
1 × 70	4.5	1.9	27.0	1201	0.2680	30.5	260	265
1 × 95	4.5	2.0	29.0	1490	0.1930	30.5	315	315
1 × 120	4.5	2.0	30.0	1765	0.1530	30.5	365	360
1 × 150	4.5	2.1	32.0	2091	0.1240	30.5	415	405
1 × 185	4.5	2.1	34.0	2452	0.0991	30.5	475	455
1 × 240	4.5	2.2	36.0	3034	0.0754	30.5	565	530
1 × 300	4.5	2.4	39.0	3672	0.0601	30.5	645	595
1 × 400	4.5	2.4	42.0	4646	0.0470	30.5	750	680
1 × 500	4.5	2.5	45.0	5651	0.0366	30.5	865	765
1 × 630	4.5	2.5	50.0	7154	0.0283	30.5	990	860
1 × 800	4.5	2.7	55.0	8750	0.0221	30.5	1140	950
1 × 1000	4.5	2.9	59.0	10727	0.0176	30.5	1250	1040
3 × 25	4.5	2.4	46.0	2573	0.7270	30.5	120	125
3 × 35	4.5	2.6	48.0	2985	0.5240	30.5	145	155
3 × 50	4.5	2.7	51.0	3529	0.3870	30.5	175	180
3 × 70	4.5	2.8	55.0	4197	0.2680	30.5	220	220
3 × 95	4.5	2.9	58.0	5230	0.1930	30.5	265	265
3 × 120	4.5	3.0	61.0	6120	0.1530	30.5	305	300
3 × 150	4.5	3.1	64.0	7207	0.1240	30.5	350	340
3 × 185	4.5	3.2	68.0	8378	0.0991	30.5	395	380
3 × 240	4.5	3.4	73.0	10177	0.0754	30.5	470	435
3 × 300	4.5	3.5	77.0	12159	0.0601	30.5	535	485
3 × 400	4.5	3.8	86.0	15641	0.0470	30.5	610	520



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 12/20KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1 × 35	5.5	1.9	25	979	0.524	42	170	180
1 × 50	5.5	1.9	27	1155	0.387	42	205	215
1 × 70	5.5	2	28	1393	0.268	42	260	265
1 × 95	5.5	2	30	1681	0.193	42	315	315
1 × 120	5.5	2	32	1979	0.153	42	360	360
1 × 150	5.5	2.1	33	2301	0.124	42	410	405
1 × 185	5.5	2.2	35	2718	0.0991	42	470	455
1 × 240	5.5	2.2	37	3302	0.0754	42	555	530
1 × 300	5.5	2.3	39	3941	0.0601	42	640	595
1 × 400	5.5	2.4	43	4931	0.047	42	745	680
1 × 500	5.5	2.5	47	5956	0.0366	42	885	765
1 × 630	5.5	2.6	51	7769	0.0283	42	980	860
1 × 800	5.5	2.8	55	8945	0.0221	42	1100	950
1 × 1000	5.5	2.9	61	10918	0.0176	42	1230	1040
1 × 1200	5.5	3.1	65	12900	0.0151	42	1320	1100
3 × 35	5.5	2.7	53	3348	0.524	42	140	155
3 × 50	5.5	2.9	55	3904	0.387	42	165	180
3 × 70	5.5	2.9	59	4623	0.268	42	210	220
3 × 95	5.5	3	62	5593	0.193	42	255	265
3 × 120	5.5	3.1	66	6495	0.153	42	290	300
3 × 150	5.5	3.2	69	7637	0.124	42	330	340
3 × 185	5.5	3.4	72	8803	0.0991	42	435	380
3 × 240	5.5	3.5	77	10729	0.0754	42	495	435
3 × 300	5.5	3.7	82	12723	0.0601	42	565	485
3 × 400	5.5	3.9	90	16207	0.047	42	640	520



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 18/30KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1 × 50	8	2	33	1560	0.387	63	210	215
1 × 70	8	2.1	35	1840	0.268	63	260	265
1 × 95	8	2.1	36	2140	0.193	63	320	315
1 × 120	8	2.2	38	2450	0.153	63	370	360
1 × 150	8	2.2	39	2790	0.124	63	420	405
1 × 185	8	2.3	41	3200	0.0991	63	480	455
1 × 240	8	2.3	43	3800	0.0754	63	565	530
1 × 300	8	2.4	45	4460	0.0601	63	650	595
1 × 400	8	2.5	49	5530	0.047	63	755	680
1 × 500	8	2.6	53	6160	0.0366	63	865	765
1 × 630	8	2.7	56	8020	0.0283	63	1000	860
3 × 50	8	2.8	55	5290	0.387	63	175	180
3 × 70	8	2.9	59	6240	0.268	63	220	220
3 × 95	8	3	62	7360	0.193	63	255	265
3 × 120	8	3.1	66	8350	0.153	63	290	300
3 × 150	8	3.2	69	9520	0.124	63	330	340
3 × 185	8	3.4	72	10830	0.0991	63	435	380
3 × 240	8	3.5	77	12810	0.0754	63	495	435
3 × 300	8	3.7	82	14920	0.0601	63	565	485
3 × 400	8	3.9	90	18110	0.047	63	640	520



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 21/35KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	9.3	2	37	1609	0.387	73.5	220	215
1×70	9.3	2.5	38	1850	0.268	73.5	270	265
1×95	9.3	2.5	40	2193	0.193	73.5	330	315
1×120	9.3	2.5	42	2498	0.153	73.5	375	360
1×150	9.3	2.5	44	2830	0.124	73.5	425	400
1×185	9.3	2.5	45	3248	0.0991	73.5	485	455
1×240	9.3	2.5	48	3881	0.0754	73.5	560	525
1×300	9.3	3	50	4529	0.0601	73.5	650	595
1×400	9.3	3	53	5570	0.047	73.5	760	680
1×500	9.3	3	55	6690	0.0366	73.5	875	775
1×630	9.3	3.1	60	8099	0.0283	73.5	1000	875
1×800	9.3	3.1	65	9752	0.0221	73.5	1130	970
1×1000	9.3	3.2	70	11781	0.0176	73.5	1250	1060
1×1200	9.3	3.3	74	13784	0.0151	73.5	1350	1120
3×50	9.3	3.5	76	4817	0.387	73.5	185	200
3×70	9.3	3.6	80	5668	0.268	73.5	230	250
3×95	9.3	3.7	83	6642	0.193	73.5	280	300
3×120	9.3	3.8	86	7603	0.153	73.5	310	330
3×150	9.3	3.9	89	8678	0.124	73.5	360	380
3×185	9.3	4	93	9965	0.0991	73.5	400	425
3×240	9.3	4.2	98	11914	0.0754	73.5	470	490
3×300	9.3	4.3	102	14026	0.0601	73.5	540	555
3×400	9.3	4.6	110	17266	0.047	73.5	610	625



N2XSEY/NA2XSEY (Cu(Al)/XLPE/CTS/PVC)
3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35, 26/35KV

Specifications

N2XSEY 26/35KV

Nom.Cross- section of conductor	Insulation 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	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1 × 50	10.5	2.2	39	1758	0.387	91	220	215
1 × 70	10.5	2.4	41	2038	0.268	91	270	265
1 × 95	10.5	2.4	42	2355	0.193	91	330	315
1 × 120	10.5	2.4	44	2666	0.153	91	375	360
1 × 150	10.5	2.5	45	3031	0.124	91	425	400
1 × 185	10.5	2.5	47	3427	0.0991	91	485	455
1 × 240	10.5	2.6	49	4070	0.0754	91	560	525
1 × 300	10.5	2.7	51	4748	0.0601	91	650	595
1 × 400	10.5	2.8	55	5801	0.047	91	760	680
1 × 500	10.5	2.9	58	6623	0.0366	91	875	775
1 × 630	10.5	3	62	8211	0.0283	91	1000	875
1 × 800	10.5	3.1	68	10014	0.0221	91	1130	970
1 × 1000	10.5	3.3	72	12078	0.0176	91	1250	1060
1 × 1200	10.5	3.4	76	14100	0.0151	91	1350	1120
3 × 50	10.5	3.7	81	6728	0.387	91	185	200
3 × 70	10.5	3.8	84	7581	0.268	91	230	250
3 × 95	10.5	3.9	88	8630	0.193	91	280	300
3 × 120	10.5	4	91	9688	0.153	91	310	330
3 × 150	10.5	4.1	95	11017	0.124	91	360	380
3 × 185	10.5	4.2	98	12390	0.0991	91	400	425
3 × 240	10.5	4.4	103	14427	0.0754	91	470	490
3 × 300	10.5	4.5	108	15940	0.0601	91	540	555
3 × 400	10.5	4.8	116	19346	0.047	91	610	625