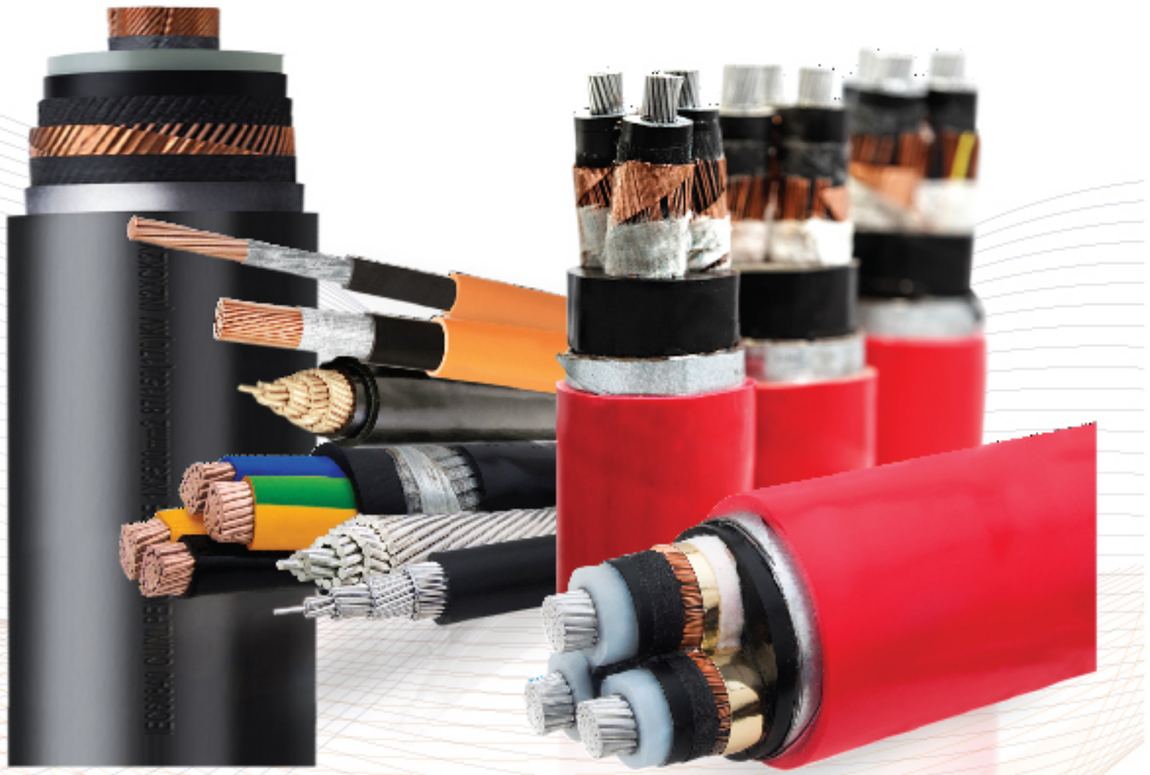


PRODUCT CATALOGUE

EXTRANA® CABLE

Quality Cables, Quality Living

OFFICE / FACTORY:

P.T. PRIMA INDAH LESTARI

Jl. Raya Tegal Alur No. 83, Jakarta Barat 11820, Indonesia
Ph. 021 - 5550 861 - 62 (Hunting); 021 - 5595 3416 - 17 (Hunting)
Fax. 021 - 5550 559; E-mail. info@extranacable.com
www.extranacable.com

OUR HISTORY & COMMITMENT

1995 – Founded PRIMA INDAH LESTARI
Producing only PVC compounds for Indonesia's cable manufacturers

1997 – EXTRANA CABLE brand of cables was formalised
Started cable production, selling only low-voltage power copper cables and wires

2000 – Product expansion to include copper rods
Investments were made to manufacture copper rods

2005 – Product expansion to include aluminium cables and wires
New production lines were set up to manufacture aluminium power cables

2006 – Achieved ISO 9001 certification
Awarded only to organizations that implement the highest standard of management systems

2012 – Product expansion to include medium-voltage power cables
Additional production lines were added for rising demand for EXTRANA cables

2014 – Product expansion to include fire-resistant cables
Engineered for safety, fire resistant cables are manufactured

2017 – Product expansion to include Branch Cables, Control Cables & Instrumentation Cables

2019 – Product expansion to include High-Voltage Cables up to 275kV

With more than 20 years of experience, EXTRANA CABLE or PT. PRIMA INDAH LESTARI has managed to position itself as one of the key cable manufacturers in Indonesia. Placing stringent quality control on all our cables, EXTRANA CABLE has grown to become a reliable partner to small construction projects and even large power plants. Today, EXTRANA CABLE provides trustworthy cable solutions for nation-wide electricity distribution for the needs of industry, construction and underground cabling of electricity supply networks and reliable power cables.

EXTRANA® CABLE
Quality Cables, Quality Living

FIRE RESISTANT INSULATED CABLES

N2XY/N2XH-FRC 0.6/1 (1.2) kV

(Copper Conductor, Mica GlassTape, XLPE Insulated, PVC Flame Retardant Low Smoke or Low Smoke Free Halogen Sheathed Compound)

SPECIFICATION: BS 6387, IEC 61034-2, IEC 60502-1

Fire Resistant Cables are normally used in fire resistant circuit, such as fire alarm system, emergency lighting and power, public address and emergency voice communication system in highrise building, control and instrumentation service in industrial, commercial and residential complexes. The conductors are either solid or stranded and annealed soft copper wires with cross-sectional areas from 1.5 mm² to 630 mm². Its sheath is made of PVC Flame Retardant Low Smoke or Low Smoke Halogen Free Compound

1 CORE

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.4	5.8	12.1	26	33	0.498	0.21
	rm	0.7	1.4	6.0	12.1	26	33	0.498	0.21
2.5	re	0.7	1.4	6.2	7.41	35	43	0.463	0.36
	rm	0.7	1.4	6.5	7.41	35	43	0.463	0.36
4	re	0.7	1.4	7.1	4.61	46	55	0.433	0.57
	rm	0.7	1.4	7.4	4.61	46	55	0.433	0.57
6	re	0.7	1.4	7.6	3.08	58	68	0.410	0.86
	rm	0.7	1.4	8.0	3.08	58	68	0.410	0.86
10	rm	0.7	1.4	9.4	1.83	80	91	0.382	1.43
16	rm	0.7	1.4	9.9	1.15	107	117	0.361	2.29
25	rm	0.9	1.4	11.6	0.727	145	151	0.348	3.58
35	rm	0.9	1.4	12.7	0.524	178	180	0.335	5.01
50	rm	1.0	1.4	14.3	0.387	220	214	0.325	7.15
70	rm	1.1	1.4	16.0	0.268	279	261	0.316	10.01
95	rm	1.1	1.6	18.5	0.193	346	312	0.310	13.59
120	rm	1.2	1.6	20.0	0.153	404	355	0.305	17.16
150	rm	1.4	1.6	22.2	0.124	466	397	0.305	21.45
185	rm	1.6	1.8	24.6	0.0991	543	449	0.304	26.46
240	rm	1.7	1.8	27.7	0.0754	650	519	0.300	34.32
300	rm	1.8	1.8	30.7	0.0601	751	584	0.295	42.90
400	rm	2.0	2.0	34.2	0.0470	875	660	0.295	57.20
500	rm	2.2	2.1	38.1	0.0366	1018	744	0.292	71.50
630	rm	2.4	2.2	42.4	0.0221	1179	834	0.289	90.09

N2XY/N2XH-FRC 0.6/1 (1.2) kV

(Copper Conductor, Mica GlassTape, XLPE Insulated, PVC Flame Retardant Low Smoke or Low Smoke Free Halogen Sheathed Compound)

SPECIFICATION: BS 6387; IEC 61034-2; IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistanc	Current Carrying Capacity at 30ºC		Inductance	Short circuit current
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	11.2	12.1	29	34	0.315	0.21
	rm	0.7	1.8	11.5	12.1	29	34	0.315	0.21
2.5	re	0.7	1.8	12.9	7.41	38	44	0.293	0.36
	rm	0.7	1.8	12.5	7.41	38	44	0.293	0.36
4	re	0.7	1.8	13.0	4.61	50	58	0.275	0.57
	rm	0.7	1.8	13.5	4.61	50	58	0.275	0.57
6	re	0.7	1.8	13.9	3.08	64	73	0.263	0.86
	rm	0.7	1.8	14.7	3.08	64	73	0.263	0.86
10	rm	0.7	1.8	16.4	1.83	88	98	0.248	1.43
16	rm	0.7	1.8	18.5	1.15	116	128	0.238	2.29
25	rm	0.9	1.8	21.8	0.727	154	165	0.240	3.58
35	rm	0.9	1.8	24.1	0.524	190	199	0.233	5.01
50	rm	1.0	1.8	27.1	0.387	230	236	0.232	7.15
70	rm	1.1	1.8	31.2	0.268	292	292	0.229	10.01
95	rm	1.1	2.0	35.5	0.193	356	348	0.224	13.59
120	rm	1.2	2.1	39.3	0.153	414	397	0.223	17.16
150	rm	1.4	2.2	43.4	0.124	474	445	0.224	21.45
185	rm	1.6	2.3	48.2	0.0991	544	502	0.225	26.46
240	rm	1.7	2.5	54.4	0.0754	644	582	0.223	34.32
300	rm	1.8	2.7	59.9	0.0601	737	654	0.221	42.90

N2XY/N2XH-FRC 0.6/1 (1.2) kV

(Copper Conductor, Mica GlassTape, XLPE Insulated, PVC Flame Retardant Low Smoke or Low Smoke Free Halogen Sheathed Compound)

SPECIFICATION: BS 6387; IEC 61034-2; IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	11.6	12.1	21	28	0.315	0.21
	rm	0.7	1.8	12.0	12.1	21	28	0.315	0.21
2.5	re	0.7	1.8	12.5	7.41	32	37	0.293	0.36
	rm	0.7	1.8	13.0	7.41	32	37	0.293	0.36
4	re	0.7	1.8	13.5	4.61	43	49	0.275	0.57
	rm	0.7	1.8	14.1	4.61	43	49	0.275	0.57
6	re	0.7	1.8	14.6	3.08	54	61	0.263	0.86
	rm	0.7	1.8	15.4	3.08	54	61	0.263	0.86
10	rm	0.7	1.8	17.3	1.83	74	83	0.248	1.43
16	rm	0.7	1.8	19.5	1.15	99	107	0.238	2.29
25	rm	0.9	1.8	23.1	0.727	131	139	0.240	3.58
35	rm	0.9	1.8	25.5	0.524	162	167	0.233	5.01
50	sm	1.0	1.8	24.4	0.387	200	203	0.232	7.15
70	sm	1.1	1.9	28.3	0.268	252	248	0.229	10.01
95	sm	1.1	2.0	31.6	0.193	309	298	0.224	13.59
120	sm	1.2	2.1	34.8	0.153	359	339	0.223	17.16
150	sm	1.4	2.3	38.7	0.124	411	379	0.224	21.45
185	sm	1.6	2.4	43.3	0.0991	475	430	0.225	26.46
240	sm	1.7	2.6	48.4	0.0754	562	497	0.223	34.32
300	sm	1.8	2.8	54.0	0.0601	645	560	0.221	42.90

N2XY/N2XH-FRC 0.6/1 (1.2) kV

(Copper Conductor, Mica GlassTape, XLPE Insulated,PVC flame retardant low smoke or Low Smoke Free Halogen Sheathed Compound)

SPECIFICATION: BS 6387; IEC 61034-2; IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	12.3	12.1	27	31	0.315	0.21
	rm	0.7	1.8	12.7	12.1	27	31	0.315	0.21
2.5	re	0.7	1.8	13.3	7.41	35	41	0.293	0.36
	rm	0.7	1.8	13.9	7.41	35	41	0.293	0.36
4	re	0.7	1.8	14.4	4.61	47	53	0.275	0.57
	rm	0.7	1.8	15.2	4.61	47	53	0.275	0.57
6	re	0.7	1.8	15.7	3.08	59	67	0.263	0.86
	rm	0.7	1.8	16.6	3.08	59	67	0.263	0.86
10	rm	0.7	1.8	18.7	1.83	81	89	0.248	1.43
16	rm	0.7	1.8	21.2	1.15	108	116	0.238	2.29
25	rm	0.9	1.8	25.2	0.727	146	151	0.240	3.58
35	rm	0.9	1.8	27.9	0.524	180	181	0.233	5.01
50	sm	1.0	1.9	29.1	0.387	212	208	0.232	7.15
70	sm	1.1	2.0	33.7	0.268	265	254	0.229	10.01
95	sm	1.1	2.1	37.3	0.193	327	305	0.224	13.59
120	sm	1.2	2.3	41.9	0.153	379	347	0.223	17.16
150	sm	1.4	2.4	45.5	0.124	442	392	0.224	21.45
185	sm	1.6	2.6	51.5	0.0991	504	441	0.225	26.46
240	sm	1.7	2.8	57.5	0.0754	597	511	0.223	34.32
300	sm	1.8	3.0	64.0	0.0601	685	576	0.221	42.90

N2XY/N2XH-FRC 0.6/1 (1.2) kV

(Copper Conductor, Mica GlassTape, XLPE Insulated,PVC flame retardant low smoke or Low Smoke Free Halogen Sheathed Compound)

SPECIFICATION: BS 6387; IEC 61034-2; IEC 60502-1

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	13.4	12.1	27	31	0.315	0.21
	rm	0.7	1.8	14.0	12.1	27	31	0.315	0.21
2.5	re	0.7	1.8	14.5	7.41	35	41	0.293	0.36
	rm	0.7	1.8	15.2	7.41	35	41	0.293	0.36
4	re	0.7	1.8	15.8	4.61	47	53	0.275	0.57
	rm	0.7	1.8	16.6	4.61	47	53	0.275	0.57
6	re	0.7	1.8	17.8	3.08	59	67	0.263	0.86
	rm	0.7	1.8	18.1	3.08	59	67	0.263	0.86
10	rm	0.7	1.8	20.5	1.83	81	89	0.248	1.43
16	rm	0.7	1.8	23.4	1.15	108	116	0.238	2.29
25	rm	0.9	1.8	27.9	0.727	146	151	0.240	3.58
35	rm	0.9	1.8	30.9	0.524	180	181	0.233	5.01
50	sm	1.0	2.0	35.9	0.387	212	208	0.232	7.15

BARE CONDUCTORS

BCC-SOFT

(Annealed Bare Copper Conductor)

SPECIFICATION: ASTM B 3; ASTM B 8; TIS 2427

CONSTRUCTION & ELECTRICAL DATA						
Nominal Cross Sectional Area	No. of Wires	Diameter of Wire	Approx. Overall Diameter	Max. DC Resistance at 20ºC	Calculated Break.Load	Approx. Weigth
mm²	-	mm	mm	Ω/km	kN	kg/km
21	7	1.96	5.88	0.8253	4.6	190
27	7	2.20	6.80	0.6547	5.8	239
34	7	2.47	7.41	0.5198	7.3	302
42	7	2.78	8.34	0.4097	9.3	382
54	7	3.12	9.36	0.3287	11.7	486
67	7	3.50	10.50	0.2613	14.7	611
85	7	3.93	11.79	0.2071	18.6	771
107	7	4.42	13.26	0.1637	23.5	975
126	7	2.91	14.55	0.1158	27.6	1,147
152	19	3.19	15.95	0.0990	33.2	1,379
178	19	3.45	17.25	0.0865	38.8	1,612
203	19	3.69	18.45	0.0772	44.4	1,845
228	19	2.80	19.60	0.0695	49.8	2,068
253	37	2.95	20.65	0.0630	55.3	2,296
279	37	3.10	21.70	0.0580	61.0	2,535
303	37	3.23	22.61	0.0535	66.2	2,752
329	37	2.62	23.85	0.0496	71.9	2,985
354	61	2.72	24.48	0.0462	77.4	3,218
381	61	2.82	25.38	0.0433	83.2	3,459
406	61	2.91	26.19	0.0384	88.6	3,683

BCC-1/2 H (6-500) mm2

(Medium Hard Drawn Bare Copper Conductor)

SPECIFICATION: SPLN 41-4

CONSTRUCTION & ELECTRICAL DATA						
Nominal Cross Sectional Area	No. of Wires	Diameter of Wire	Approx. Overall Diameter	Max. DC Resistance at 20ºC	Calculated Break.Load	Approx. Weigth
mm²	-	mm	mm	Ω/km	kN	kg/km
6	1	2.80	2.80	2.8961	2.0	55
10	1	3.50	3.50	1.8545	3.0	86
10	7	1.35	4.05	1.8160	3.3	92
16	7	1.70	5.10	1.1452	5.2	145
25	7	2.10	6.30	0.7504	7.9	222
35	7	2.50	7.50	0.5296	11.1	310
50	19	1.80	9.00	0.3781	15.8	438
70	19	2.10	10.50	0.2778	21.4	596
95	19	2.50	12.50	0.1961	30.0	845
120	19	2.80	14.00	0.1563	37.4	1060
150	37	2.25	15.75	0.1243	47.6	1335
185	37	2.50	17.50	0.1007	58.5	1645
240	61	2.25	20.25	0.0754	78.5	2204
300	61	2.50	22.50	0.0611	96.4	2721
400	61	2.89	26.00	0.0457	127.7	3536
500	61	3.23	29.10	0.0366	158.6	4542

BCC-H (6-500)mm2

(Hard Drawn Bare Copper Conductor)

SPECIFICATION: SPLN 41-5

CONSTRUCTION & ELECTRICAL DATA						
Nominal Cross Sectional Area	No. of Wires	Diameter of Wire	Approx. Overall Diameter	Max. DC Resistance at 20ºC	Calculated Break.Load	Approx. Weigth
mm²	-	mm	mm	Ω/km	kN	kg/km
6	1	2.80	2.80	2.8994	2.5	55
10	1	3.50	3.50	1.8565	3.8	86
10	7	1.35	4.05	1.8181	4.2	92
16	7	1.70	5.10	1.1465	6.6	145
25	7	2.10	6.30	0.7512	9.9	222
35	7	2.50	7.50	0.5302	13.9	310
50	19	1.80	9.00	0.3785	19.8	438
70	19	2.10	10.50	0.2781	27.0	596
95	19	2.50	12.50	0.1963	37.8	845
120	19	2.80	14.00	0.1565	47.4	1060
150	37	2.25	15.75	0.1244	60.3	1335
185	37	2.50	17.50	0.1008	73.6	1645
240	61	2.25	20.25	0.0755	99.4	2204
300	61	2.50	22.50	0.0611	121.3	2721
400	61	2.89	26.00	0.0458	162.1	3536
500	61	3.23	29.10	0.0367	199.7	4542

AAC EC 1350

(All Aluminium Conductor EC 1350)

SPECIFICATION: SPLN 41-6

CONSTRUCTION & ELECTRICAL DATA						
Nominal Cross Sectional Area	No./ Diameter of Wires	Approx. Overall Diameter	Approx. Weight	Max. DC Resistance at 20ºC	Calculated Break.Load	Max. Current Carrying Capacity
mm²	-	mm	kg/km	Ω/km	kgf	A
16	7/1.75	5.25	46	1.700	310	109
25	7/2.25	6.75	76	1.029	490	149
35	7/2.50	7.50	94	0.8332	590	171
50	7/3.00	9.00	135	0.5786	810	215
50	19/1.75	8.75	126	0.6295	835	205
55	7/3.25	9.75	159	0.4930	935	238
70	19/2.25	11.25	208	0.3808	1040	282
95	19/2.50	12.50	256	0.3084	1560	616
100	7/4.25	12.75	272	0.2883	1540	336
120	19/2.75	13.75	310	0.2549	1890	365
150	19/3.25	16.25	433	0.1825	2530	452
150	37/2.25	15.75	405	0.1960	2575	432
185	37/2.50	17.50	500	0.1587	3110	495
200	19/3.75	18.75	577	0.1371	3290	543
240	61/2.25	20.25	669	0.1191	4020	595
240	19/4.00	20.00	656	0.1205	3700	590
300	61/2.50	22.50	826	0.0965	4850	681
400	61/3.00	27.00	1190	0.0670	6675	859
500	61/3.25	29.25	1397	0.0571	7700	950
630	91/3.00	33.00	1780	0.0450	9960	1102
800	91/3.25	35.75	2089	0.0384	11480	1214
1000	91/3.75	41.25	2781	0.0288	14925	1439

AAAC 6201

(All Aluminium Alloy Conductor 6201)

SPECIFICATION: SPLN 41-8

CONSTRUCTION & ELECTRICAL DATA						
Nominal Cross Sectional Area	No./ Diameter of Wires	Approx. Overall Diameter	Approx. Weight	Max. DC Resistance at 20ºC	Calculated Break.Load	Max. Current Carrying Capacity
mm²	No./mm	mm	kg/km	Ω/km	kgf	A
16	7/1.75	5.25	46	1.955	480	101
25	7/2.25	6.75	76	1.183	790	139
35	7/2.50	7.50	94	0.958	980	159
50	7/3.00	9.00	135	0.665	1410	201
50	19/1.75	8.75	126	0.724	1300	191
55	7/3.25	9.75	159	0.567	1655	222
70	19/2.25	11.25	208	0.438	2150	263
95	19/2.50	12.50	256	0.355	2660	301
100	7/4.25	12.75	272	0.332	2830	313
120	19/2.75	13.75	310	0.293	3220	340
150	19/3.25	16.25	433	0.210	4490	421
150	37/2.25	15.75	405	0.225	4190	404
185	37/2.50	17.50	500	0.183	5175	461
240	61/2.25	20.25	669	0.137	6805	555
240	19/4.00	20.00	656	0.139	6910	549
300	61/2.50	22.50	826	0.111	8530	636
400	61/3.00	27.00	1190	0.077	12290	803
500	61/3.25	29.25	1397	0.066	14420	886
630	91/3.00	33.00	1780	0.052	18330	1029
800	91/3.25	35.75	2089	0.044	21515	1140
1000	91/3.75	41.25	2781	0.033	28640	1357

ACSR

(Aluminium Conductor Galvanized Steel Reinforced)

SPECIFICATION: SPLN 41-7

CONSTRUCTION & ELECTRICAL DATA							
Size	No./ Diameter of Wires		Approx. Overall Diameter	Approx. Weight	Max. DC Resistance at 20ºC	Calculated Break.Load	Max. Current Carrying Capacity
	Al	GSW					
mm²	No./mm	No./mm	mm	kg/km	Ω/km	kN	A
16/2.5	6/1.80	1/1.80	5.40	62	1.879	6.0	109
25/4	6/2.25	1/2.25	6.75	96	1.203	9.2	144
35/6	6/2.70	1/2.70	8.10	139	0.8353	12.7	182
44/32	14/2.00	7/2.40	11.20	248	0.6533	43.0	225
50/8	6/3.20	1/3.20	9.60	195	0.5946	17.1	226
50//30	12/2.33	7/2.33	11.65	375	0.5644	43.8	245
70/12	26/1.85	7/1.44	11.72	282	0.4130	26.8	287
95/15	26/2.15	7/1.67	13.61	380	0.3053	35.8	348
95/55	12/3.20	7/3.20	16.00	707	0.2992	79.4	368
105/75	14/3.10	19/2.25	17.45	594	0.2719	108.5	395
120/20	26/2.44	7/1.90	15.46	491	0.2374	45.7	409
120/70	12/3.60	7/3.60	18.00	895	0.2364	100.0	428
125/30	30/2.33	7/2.33	16.31	587	0.2259	57.6	425
150/25	26/2.70	7/2.10	17.10	601	0.1939	55.3	465
170/40	30/2.70	7/2.70	18.90	788	0.1682	76.8	514
185/30	26/3.00	7/2.33	18.99	744	0.1571	66.2	533
210/35	26/3.20	7/2.49	20.27	844	0.1380	74.9	579
210/50	30/3.00	7/3.00	21.00	973	0.1361	93.9	588
230/30	24/3.50	7/2.33	20.99	870	0.1249	73.1	614
240/40	26/3.45	7/2.68	21.84	980	0.1183	86.4	638
265/35	24/3.74	7/2.49	22.43	994	0.1094	83.1	669
300/50	26/3.88	7/3.00	24.52	1236	0.09390	107.0	736
305/40	54/2.68	7/2.68	24.12	1151	0.09490	99.4	733

ACSR

(Aluminium Conductor Galvanized Steel Reinforced)

SPECIFICATION: SPLN 41-7

CONSTRUCTION & ELECTRICAL DATA							
Size	No./ Diameter of Wires		Approx. Overall Diameter	Approx. Weight	Max. DC Resistance at 20ºC	Calculated Break.Load	Max. Current Carrying Capacity
	Al	GSW					
mm²	No./mm	No./mm	mm	kg/km	Ω/km	kN	A
340/30	48/3.00	7/2.33	24.99	1169	0.08539	92.9	780
360/50	54/3.00	7/3.00	27.00	1442	0.07573	123.1	846
385/33	48/3.20	7/2.49	26.67	1331	0.07432	104.8	851
435/55	54/3.20	7/3.20	28.80	1640	0.06656	136.5	918
430/40	43/3.45	7/2.68	28.74	1417	0.07207	120.8	883
490/65	54/3.40	7/3.40	30.60	1852	0.0896	153.1	991
493/35	43/3.74	7/3.48	32.88	1824	0.06133	121.8	994
510/45	43/3.69	7/2.63	30.03	1565	0.06300	136.7	955
550/70	54/3.60	7/3.60	32.40	2076	0.05259	170.6	1065
560/50	48/3.86	7/3.00	32.16	1936	0.05158	149.0	1072
570/40	45/4.82	7/2.68	36.96	2572	0.03528	136.2	1132
650/45	45/4.30	7/2.87	34.41	2156	0.04420	155.5	1172
680/83	64/4.00	19/3.40	41.00	3230	0.03620	206.3	1176
1043/45	72.4.30	7/2.43	41.69	3142	0.02831	217.6	1521

LOW-VOLTAGE OVERHEAD CABLES

NFA2X 0.6/1 kV

(Self Support Aerial Cables)

SPECIFICATION : **SPLN 42-10 : 1993**

NFA2X are twisted cables with stranded aluminium wires as conductors.

CONSTRUCTION & ELECTRICAL DATA									
No. of Cores	Conductors			Thickness of XLPE Insulation	Lay - Length		Max. Current Capacity in Air at 35°C	Calculated Breaking Load	Max. DC Resistance at 30°C
	Nom. Cross Sect.	No. of Wires	Shape		Minimum	Maximum			
	mm^2			mm	cm	cm	Amp.	kg	ohm / km
2	10	7	rm	1.2	21	35	54	322	3.08
2	16	7	rm	1.2	23	38	72	515	1.91
4	10	7	rm	1.2	25	42	54	644	3.08
4	16	7	rm	1.2	28	46	72	1030	1.91
4	25	7	rm	1.4	35	58	102	1610	1.20
4	35	7	rm	1.6	41	67	125	2250	0.868

Other specifications are available upon request

NFA2X-T 0.6/1 kV

(Twisted Aerial Cables)

SPECIFICATION : **SPLN 42-10 : 1993**

NFA2X-T are twisted cables with aluminium alloy conductor as neutral messenger.
Conductors are insulated with Cross-Linked Polyethelene (XLPE).

CONSTRUCTION & ELECTRICAL DATA

No. of Cores Nom. Cross Sect.	Phase Core				Neutral / Messenger			Calculated Breaking Load	Lay - Length	
	Thickness of XLPE Insulation	Approx. Outer Diameter	Max. DC Resistance at 20°C	Max. Current Capacity in Air at 35°C	Thickness of XLPE Insulation	Approx. Outer Diameter	Max. DC Resistance at 20°C		Min.	Max.
mm^2	mm	mm	ohm / km	Amp.	mm	mm	ohm / km	kg	cm	cm
2x25+25 rm	1.4	10.0	1.200	103	1.4	10.0	1.380	712	32	65
2x35+25 rm	1.6	11.2	0.868	125	1.4	10.0	1.380	712	36	73
2x50+35 rm	1.6	12.6	0.641	154	1.6	11.2	0.986	997	41	82
2x70+50 rm	1.8	15.4	0.443	196	1.6	12.6	0.690	1395	50	100
2x95+70 rm	2.0	17.0	0.320	242	1.8	15.4	0.450	1932	55	110
3x25+25 rm	1.4	10.0	1.200	103	1.4	10.0	1.380	712	36	73
3x35+25 rm	1.6	11.2	0.868	125	1.4	10.0	1.380	712	41	81
3x50+35 rm	1.6	12.6	0.641	154	1.6	11.2	0.986	997	46	91
3x70+50 rm	1.8	15.4	0.443	196	1.6	12.6	0.690	1395	56	112
3x95+70 rm	2.0	17.0	0.320	242	1.8	15.4	0.450	1932	63	125

Other specifications are available upon request

AAAC-S

(Overhead XLPE Sheathed Conductor)

SPECIFICATION : **SPLN 41-10 : 1991**

AAAC-S is made of single core aluminium conductor, extruded with Cross-Linked Polyethylene (XLPE) that is capable of continuous operation at maximum cable temperature.

CONSTRUCTION & ELECTRICAL DATA

Nom. Cross Sect.	Conductor			Sheath		Approx Cable Weight	Max. DC Resistance at 20°C	Max. Current capacity	
	No. of Wires	Shape	No. Diameter of Wires	Nominal Thickness	Approx. Outer Diameter			In Air at 30°C	In Air at 40°C
mm^2			mm	mm	mm	kg / km	ohm / km	Amp.	Amp.
35	7	rm	2.50	3	13.5	205	0.9580	167	150
50	19	rm	1.75	3	14.8	246	0.7240	200	180
70	19	rm	2.25	3	17.3	356	0.4380	275	246
95	19	rm	2.50	3	18.5	419	0.3550	315	282
120	19	rm	2.75	3	19.8	487	0.2930	356	319
150	37	rm	2.25	3	21.8	600	0.2250	423	378
185	37	rm	2.50	3	23.5	715	0.1830	484	423
240	61	rm	2.25	3	26.3	910	0.1390	586	523

Other specifications are available upon request

LOW-VOLTAGE BUILDING WIRES

NYA 450/750V

(Copper Conductor, PVC Insulated)

SPECIFICATION: SPLN 42-1, SNI 4-6629.3, IEC 60227-3

NYA Cables are low voltage cables with 450/750 volts. They are normally used as permanent installation for building in conduit or exposed wiring in dry locations, also as building wires and distribution panel connectors. When used as building wires, NYA cables are installed inside PVC pipes, protecting them rough surface.

The conductors are either solid or stranded and annealed soft copper wires with cross-sectional areas of 1.5 mm^2 to 400 mm^2. Its sheath is made of coloured flame retardant PVC (blue, black, red, and yellow-green)

DIMENSION DATA				ELECTRICAL DATA					
Size	Shave	Nominal Insulation Thickness	Overall Diamet	DC Conductor Resistance	DC Insulation Resistance	Current Carrying Capacity		Inductance	Short circuit current
			Approx.	Max.	Min.	in air (Max.)	In pipe (Max).		Max.
mm^2	-	mm	mm	Ω/km	M.Ω.km	A	A	mH/km	kA
1.5	re	0.7	2.8	12.1	0.0100	24	15	0.320	0.1
	rm	0.7	3.0	12.1	0.0100	24	15	0.320	0.17
2.5	re	0.8	3.4	7.41	0.0090	32	19	0.309	0.29
	rm	0.8	3.6	7.41	0.0090	32	19	0.309	0.29
4	re	0.8	3.9	4.61	0.0077	43	25	0.290	0.46
	rm	0.8	4.1	4.61	0.0077	43	25	0.290	0.46
6	re	0.8	4.4	3.08	0.0065	54	33	0.276	0.69
	rm	0.8	4.7	3.08	0.0065	54	33	0.276	0.69
10	re	1.0	5.7	1.83	0.0065	73	45	0.274	1.15
	rm	1.0	6.0	1.83	0.0065	73	45	0.274	1.15
16	rm	1.0	7.0	1.15	0.0050	98	61	0.260	1.84
25	rm	1.2	8.7	0.727	0.0050	129	83	0.257	2.88
35	rm	1.2	9.8	0.524	0.0045	158	103	0.249	4.03
50	rm	1.4	11.2	0.387	0.0040	197	132	0.248	5.75
70	rm	1.4	13.2	0.268	0.0035	245	165	0.240	8.05
95	rm	1.6	15.5	0.193	0.0035	290	207	0.239	10.93
120	rm	1.6	17.1	0.153	0.0032	345	235	0.235	13.80
150	rm	1.8	19.0	0.124	0.0032	390	-	0.235	17.25
185	rm	2.0	21.2	0.0991	0.0032	445	-	0.235	21.28
240	rm	2.2	24.2	0.0754	0.0032	525	-	0.233	27.60
300	rm	2.4	26.9	0.0601	0.0030	605	-	0.232	34.50
400	rm	2.6	30.2	0.0470	0.0028	725	-	0.231	41.20

NYAF 450/750 V

(Copper Conductor, PVC Insulated)

SPECIFICATION: SPLN 42-3, SNI 4-6629.3, IEC 60227-3

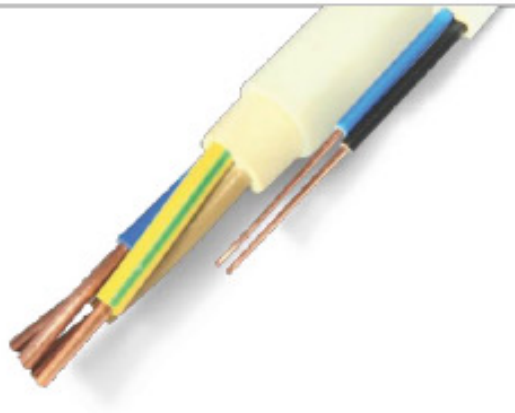
NYA Cables are low voltage cables with 450/750 volts. Power cord or internal wiring with low mechanical stress for electrical equipments, machineries, distribution panels, luminaires and other electrical used in dry indoor premises, substitutes NYA. Permanent installation in conduit, inherently flame retardant in compliance with IEC 60332-1.

The conductors are stranded and annealed soft copper fine wires with cross-sectional areas from 1.5 mm^2 to 400 mm^2. Its sheath is made of coloured flame retardant PVC (blue, black, red, and yellow-green)

DIMENSION DATA			ELECTRICAL DATA					
Size	Nominal Insulation Thickness	Overall Diameter	DC Conductor Resistance	DC Insulation Resistance	Current Carrying Capacity		Inductance	Short circuit current
		Approx.	Max.	Min.	in air (Max.)	In pipe (Max).		Max.
mm^2	mm	mm	Ω/km	M.Ω.km	A	A	mH/km	kA
1.5	0.7	2.8	13.30	0.0100	24	15	0.320	0.1
2.5	0.8	3.4	7.98	0.0090	32	19	0.309	0.29
4	0.8	3.9	4.95	0.0077	43	25	0.290	0.46
6	0.8	4.4	3.30	0.0065	54	33	0.276	0.69
10	1.0	5.7	1.91	0.0065	73	45	0.274	1.15
16	1.0	7.0	1.210	0.0050	98	61	0.260	1.84
25	1.2	8.7	0.780	0.0050	129	83	0.257	2.88
35	1.2	9.8	0.554	0.0045	158	103	0.249	4.03
50	1.4	11.2	0.386	0.0040	197	132	0.248	5.75
70	1.4	13.2	0.272	0.0035	245	165	0.240	8.05
95	1.6	15.5	0.206	0.0035	290	207	0.239	10.93
120	1.6	17.1	0.161	0.0032	345	235	0.235	13.80
150	1.8	19.0	0.129	0.0032	390	-	0.235	17.25
185	2.0	21.2	0.106	0.0032	445	-	0.235	21.28
240	2.2	24.2	0.0801	0.0032	525	-	0.233	27.60
300	2.4	26.9	0.0641	0.0030	605	-	0.232	34.50
400	2.6	30.2	0.0486	0.0028	725	-	0.231	41.20

NYM 300/500V

(Copper Conductor, PVC Insulated, PVC Sheathed)



SPECIFICATION: SPLN 42-2, SNI 04-6629.4, IEC 60277-4

NYM Cables are low voltage cables of 300/500 volt. They are normally used as permanent installation in conduit under plaster or exposed installation in dry location. When used for outdoor installation, it must have UV protection, preventing it from direct sun light. It is not suitable for underground installation.

The conductors are either solid or stranded and annealed soft copper wires with cross-sectional areas from 1.5 mm^2 to 35 mm^2. Its insulation is made of coloured PVC (brown, black,grey, and yellow-green). Its outer sheath in normally made of white -coloured PVC.

2 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current
		Insulation	Sheath	Approx.	Max.	at 30ºC	at 40ºC		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.2	8.6	12.1	19	16	0.329	0.17
	rm	0.7	1.2	9.1	12.1	19	16	0.329	0.17
2.5	re	0.8	1.2	9.7	7.41	25	22	0.318	0.29
	rm	0.8	1.2	10.1	7.41	25	22	0.318	0.29
4	re	0.8	1.2	10.7	4.61	34	30	0.297	0.46
	rm	0.8	1.2	11.9	4.61	34	30	0.297	0.46
6	re	0.8	1.2	11.6	3.08	44	39	0.281	0.69
	rm	0.8	1.2	13.1	3.08	44	39	0.281	0.69
10	rm	1.0	1.4	14.8	1.83	61	53	0.278	1.15
16	rm	1.0	1.4	17.8	1.15	82	71	0.255	1.84
25	rm	1.2	1.4	21.5	0.727	108	94	0.252	2.88
35	rm	1.2	1.6	24.6	0.524	134	117	0.244	4.03

NYM 300/500V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 42-2, SNI 04-6629.4, IEC 60277-4

3 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistanc	Current Carrying Capacity		Inductance	Short circuit current
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.2	9.2	12.1	19	16	0.329	0.17
2.5	re	0.8	1.2	10.1	7.41	25	22	0.318	0.29
4	re	0.8	1.2	11.9	4.61	34	30	0.297	0.46
6	re	0.8	1.4	13.0	3.08	44	39	0.281	0.69
10	rm	1.0	1.4	17.0	1.83	61	53	0.278	1.15
16	rm	1.0	1.4	19.2	1.15	82	71	0.255	1.84
25	rm	1.2	1.6	23.6	0.727	108	94	0.252	2.88
35	rm	1.2	1.6	26.4	0.524	134	117	0.244	4.03

4 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistanc	Current Carrying Capacity		Inductance	Short circuit current
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.2	9.	12.1	19	16	0.329	0.17
2.5	re	0.8	1.2	10.	7.41	25	22	0.318	0.29
4	re	0.8	1.4	12.	4.61	34	30	0.297	0.46
6	re	0.8	1.4	14.	3.08	44	39	0.281	0.69
10	rm	1.0	1.4	18.	1.83	61	53	0.278	1.15
16	rm	1.0	1.4	21.	1.15	82	71	0.255	1.84
25	rm	1.2	1.6	25.	0.727	108	94	0.252	2.88
35	rm	1.2	1.6	28.	0.524	134	117	0.244	4.03

NYMHY 300/500V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 42-6-2, SNI 04-6629.5, IEC 60277-5

The conductors are stranded and annealed soft copper wires with cross-sectional areas from 0.75 mm^2 up to 2.5 mm^2. Its insulation is made of coloured PVC (brown, black, grey, and yellow-green). Its outer sheath is normally made of white-coloured PVC.

2 CORES

DIMENSION DATA				ELECTRICAL DATA				
Size	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
	Insulation	Sheath	Approx.	Max.	at 30ºC	at 40ºC		Max.
mm^2	mm	mm	mm	Ω/km	A	A	mH/km	kA
0.75	0.6	0.8	6.2	26.0	12	11.0	0.353	0.10
1	0.6	0.8	6.5	19.5	15	13.8	0.341	0.13
1.5	0.7	0.8	7.4	13.3	18	16.2	0.329	0.19
2.5	0.8	1.0	9.1	7.98	25	23.0	0.318	0.32

3 CORES

DIMENSION DATA				ELECTRICAL DATA				
Size	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
	Insulation	Sheath	Approx.	Max.	at 30ºC	at 40ºC		Max.
mm^2	mm	mm	mm	Ω/km	A	A	mH/km	kA
0.75	0.6	0.8	6.5	26.0	12	11.0	0.353	0.10
1	0.6	0.8	6.9	19.5	15	13.8	0.341	0.13
1.5	0.7	0.9	8.0	13.3	18	16.2	0.329	0.19
2.5	0.8	1.1	9.8	7.98	25	23.0	0.318	0.32

NYMHY 300/500V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 42-6-2, SNI 04-6629.5, IEC 60277-5

4 CORES

DIMENSION DATA				ELECTRICAL DATA				
Size	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
	Insulation	Sheath	Approx.	Max.	at 30ºC	at 40ºC		Max.
mm²	mm	mm	mm	Ω/km	A	A	mH/km	kA
0.75	0.6	0.8	7.1	26.0	12	11.0	0.353	0.10
1	0.6	0.9	7.5	19.5	15	13.8	0.341	0.13
1.5	0.7	1.0	9.0	13.3	18	16.2	0.329	0.19
2.5	0.8	1.1	10.7	7.98	25	23.0	0.318	0.32

5 CORES

DIMENSION DATA				ELECTRICAL DATA				
Size	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
	Insulation	Sheath	Approx.	Max.	at 30ºC	at 40ºC		Max.
mm²	mm	mm	mm	Ω/km	A	A	mH/km	kA
0.75	0.6	0.9	8.0	26.0	12	11.0	0.353	0.10
1	0.6	0.9	8.5	19.5	15	13.8	0.341	0.13
1.5	0.7	1.1	10.1	13.3	18	16.2	0.329	0.19
2.5	0.8	1.2	12.0	7.98	25	23.0	0.318	0.32

LOW-VOLTAGE POWER CABLE

NYY 0.6/1 kV

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

NYY Cables are low voltage cable of 0.6/1 kv. It can be used for direct burial and underground installation.

The Conductors are solid, stranded or sectoral annealed soft copper wires with cross-sectional areas from 1.5mm2 to 400mm2. Its insulation is made of coloured PVC (Blue,Yellow-Green and Brown).

1 CORE

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity		Inductance	Short circuit current
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.4	5.8	12.1	21	27	0.505	0.17
	rm	0.8	1.4	6.0	12.1	21	27	0.505	0.17
2.5	re	0.8	1.4	6.2	7.41	28	36	0.470	0.29
	rm	0.8	1.4	6.5	7.41	28	36	0.470	0.29
4	re	1.0	1.4	7.1	4.61	38	45	0.450	0.46
	rm	1.0	1.4	7.4	4.61	38	45	0.450	0.46
6	re	1.0	1.4	7.6	3.08	48	57	0.426	0.69
	rm	1.0	1.4	8.0	3.08	48	57	0.426	0.69
10	re	1.0	1.4	8.8	1.83	65	76	0.396	1.15
	rm	1.0	1.4	9.4	1.83	65	76	0.396	1.15
16	rm	1.0	1.4	9.9	1.15	87	97	0.374	1.84
25	rm	1.2	1.4	11.6	0.727	117	125	0.358	2.88
35	rm	1.2	1.4	12.7	0.524	144	150	0.345	4.03
50	rm	1.4	1.4	14.3	0.387	177	178	0.336	5.75
70	rm	1.4	1.4	16.0	0.268	225	218	0.326	8.05
95	rm	1.6	1.5	18.5	0.193	278	260	0.321	10.93
120	rm	1.6	1.6	20.0	0.153	325	296	0.316	13.80
150	rm	1.8	1.7	22.2	0.124	373	331	0.313	17.25
185	rm	2.0	1.7	24.6	0.0991	433	374	0.310	21.28
240	rm	2.2	1.8	27.7	0.0754	518	432	0.307	27.60
300	rm	2.4	1.9	30.7	0.0601	598	486	0.305	34.50
400	rm	2.6	2.1	34.2	0.0470	695	549	0.302	41.20
500	rm	2.8	2.2	38.1	0.0366	806	618	0.299	51.50
630	rm	2.8	2.3	42.4	0.0221	930	692	0.293	64.89

NYY 0.6/1 kV

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	10.8	12.1	23	27	0.328	0.17
	rm	0.8	1.8	11.1	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	11.6	7.41	30	36	0.304	0.29
	rm	0.8	1.8	12.1	7.41	30	36	0.304	0.29
4	re	1.0	1.8	13.3	4.61	40	47	0.303	0.46
	rm	1.0	1.8	13.9	4.61	40	47	0.303	0.46
6	re	1.0	1.8	14.3	3.08	51	59	0.288	0.69
	rm	1.0	1.8	15.1	3.08	51	59	0.288	0.69
10	re	1.0	1.8	16.8	1.83	70	80	0.269	1.15
	rm	1.0	1.8	17.9	1.83	70	80	0.269	1.15
16	rm	1.0	1.8	18.9	1.15	93	104	0.255	1.84
25	rm	1.2	1.8	22.3	0.727	123	134	0.255	2.88
35	rm	1.2	1.8	24.5	0.524	151	162	0.246	4.03
50	rm	1.4	1.9	27.7	0.387	182	191	0.247	5.75
70	rm	1.4	1.9	31.4	0.268	230	236	0.238	8.05
95	rm	1.6	2.0	36.4	0.193	280	281	0.233	10.93
120	rm	1.6	2.1	39.7	0.153	325	321	0.233	13.80
150	rm	1.8	2.2	43.7	0.124	371	361	0.233	17.25
185	rm	2.0	2.4	48.6	0.0991	424	406	0.233	21.28
240	rm	2.2	2.6	55.1	0.0754	501	470	0.232	27.60
300	rm	2.4	2.7	60.8	0.0601	572	528	0.231	34.50

NYY 0.6/1 kV

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	11.2	12.1	19	23	0.328	0.17
	rm	0.8	1.8	11.6	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	12.1	7.41	26	31	0.304	0.29
	rm	0.8	1.8	12.6	7.41	26	31	0.304	0.29
4	re	1.0	1.8	14.0	4.61	34	40	0.303	0.46
	rm	1.0	1.8	14.6	4.61	34	40	0.303	0.46
6	re	1.0	1.8	15.1	3.08	44	50	0.288	0.69
	rm	1.0	1.8	15.9	3.08	44	50	0.288	0.69
10	re	1.0	1.8	17.8	1.83	60	68	0.269	1.15
	rm	1.0	1.8	19.2	1.83	60	68	0.269	1.15
16	rm	1.0	1.8	20.0	1.15	79	88	0.255	1.84
25	rm	1.2	1.8	23.6	0.727	105	114	0.255	2.88
35	rm	1.2	1.8	26.0	0.524	129	137	0.246	4.03
50	sm	1.4	1.8	25.3	0.387	162	168	0.247	5.75
70	sm	1.4	2.0	28.6	0.268	203	206	0.238	8.05
95	sm	1.6	2.1	32.7	0.193	250	247	0.233	10.93
120	sm	1.6	2.2	35.5	0.153	289	281	0.233	13.80
150	sm	1.8	2.3	39.2	0.124	330	315	0.233	17.25
185	sm	2.0	2.5	43.8	0.0991	381	356	0.233	21.28
240	sm	2.2	2.7	49.3	0.0754	451	412	0.232	27.60
300	sm	2.4	3.1	55.0	0.0601	517	464	0.231	34.50

NYY 0.6/1 kV

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	12.0	12.1	22	27	0.328	0.17
	rm	0.8	1.8	12.4	12.1	22	27	0.328	0.17
2.5	re	0.8	1.8	13.0	7.41	29	35	0.304	0.29
	rm	0.8	1.8	13.6	7.41	29	35	0.304	0.29
4	re	1.0	1.8	15.1	4.61	39	46	0.303	0.46
	rm	1.0	1.8	15.8	4.61	39	46	0.303	0.46
6	re	1.0	1.8	16.3	3.08	50	57	0.288	0.69
	rm	1.0	1.8	17.2	3.08	50	57	0.288	0.69
10	re	1.0	1.8	19.4	1.83	68	77	0.269	1.15
	rm	1.0	1.8	20.6	1.83	68	77	0.269	1.15
16	rm	1.0	1.8	21.8	1.15	90	99	0.255	1.84
25	rm	1.2	1.8	25.9	0.727	121	128	0.255	2.88
35	rm	1.2	1.8	28.6	0.524	149	154	0.246	4.03
50	sm	1.4	1.9	30.0	0.387	173	173	0.247	5.75
70	sm	1.4	2.1	34.1	0.268	215	212	0.238	8.05
95	sm	1.6	2.2	38.7	0.193	266	255	0.233	10.93
120	sm	1.6	2.3	42.6	0.153	308	289	0.233	13.80
150	sm	1.8	2.5	46.3	0.124	357	327	0.233	17.25
185	sm	2.0	2.7	52.2	0.0991	405	366	0.233	21.28
240	sm	2.2	2.9	58.5	0.0754	482	425	0.232	27.60
300	sm	2.4	3.1	65.4	0.0601	552	479	0.231	34.50

NYY 0.6/1 kV

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	13.5	12.1	23	27	0.328	0.17
	rm	0.8	1.8	14.1	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	15.2	7.41	30	36	0.304	0.29
	rm	0.8	1.8	15.9	7.41	30	36	0.304	0.29
4	re	1.0	1.8	17.0	4.61	41	47	0.303	0.46
	rm	1.0	1.8	17.8	4.61	41	47	0.303	0.46
6	re	1.0	1.8	18.3	3.08	52	59	0.288	0.69
	rm	1.0	1.8	19.3	3.08	52	59	0.288	0.69
10	re	1.0	1.8	21.2	1.83	71	78	0.269	1.15
	rm	1.0	1.8	22.5	1.83	71	78	0.269	1.15
16	rm	1.0	2.0	25.8	1.15	94	101	0.255	1.84
25	rm	1.2	2.0	30.3	0.727	126	131	0.255	2.88
35	rm	1.2	2.0	33.3	0.524	155	157	0.246	4.03
50	rm	1.4	2.2	39.1	0.387	189	185	0.247	5.75

NAYY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

1 CORE									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	1.0	1.4	8.8	3.08	50	58	0.396	0.76
16	rm	1.0	1.4	9.9	1.91	68	76	0.370	1.22
25	rm	1.2	1.4	11.6	1.20	91	97	0.358	1.90
35	rm	1.2	1.4	12.7	0.868	112	117	0.345	2.66
50	rm	1.4	1.4	14.3	0.641	138	138	0.336	3.80
70	rm	1.4	1.4	16.0	0.443	175	169	0.326	5.32
95	rm	1.6	1.5	18.5	0.320	216	202	0.321	7.22
120	rm	1.6	1.5	20.0	0.253	251	229	0.316	9.12
150	rm	1.8	1.6	22.2	0.206	291	258	0.313	11.40
185	rm	2.0	1.7	24.6	0.164	339	292	0.310	14.06
240	rm	2.2	1.8	27.7	0.125	407	339	0.307	18.24
300	rm	2.4	1.9	30.7	0.100	471	382	0.305	22.80
400	rm	2.6	2.0	34.2	0.0778	565	440	0.302	27.20
500	rm	2.8	2.1	38.1	0.0605	653	499	0.299	34.00
630	rm	2.8	2.3	42.4	0.0469	762	566	0.293	42.84

NAYY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	1.0	1.8	16.8	3.08	54	61	0.269	0.76
16	rm	1.0	1.8	18.9	1.91	73	81	0.253	1.22
25	rm	1.2	1.8	22.3	1.20	94	103	0.257	1.90
35	rm	1.2	1.8	24.5	0.868	116	125	0.247	2.66
50	rm	1.4	1.8	27.7	0.641	141	148	0.247	3.80
70	rm	1.4	1.9	31.4	0.443	178	183	0.238	5.32
95	rm	1.6	2.0	36.4	0.320	218	219	0.238	7.22
120	rm	1.6	2.1	39.7	0.253	253	250	0.233	9.12
150	rm	1.8	2.2	43.7	0.206	285	279	0.235	11.40
185	rm	2.0	2.4	48.6	0.164	331	317	0.233	14.06
240	rm	2.2	2.6	55.1	0.125	390	366	0.232	18.24
300	rm	2.4	2.7	60.8	0.100	447	413	0.231	22.80

NAYY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	1.0	1.8	17.8	3.08	46	52	0.269	0.76
16	rm	1.0	1.8	20.0	1.91	62	69	0.253	1.22
25	rm	1.2	1.8	23.6	1.20	81	88	0.257	1.90
35	rm	1.2	1.8	26.0	0.868	100	106	0.247	2.66
	sm	1.2	1.8	26.5	0.868	100	106	0.247	2.66
50	sm	1.4	1.8	25.3	0.641	126	131	0.247	3.80
70	sm	1.4	2.0	28.6	0.443	158	160	0.238	5.32
95	sm	1.6	2.1	32.7	0.320	194	192	0.238	7.22
120	sm	1.6	2.1	35.5	0.253	225	219	0.233	9.12
150	sm	1.8	2.3	39.2	0.206	257	245	0.235	11.40
185	sm	2.0	2.5	43.8	0.164	297	278	0.233	14.06
240	sm	2.2	2.7	49.3	0.125	352	322	0.232	18.24
300	sm	2.4	2.9	55.0	0.100	405	364	0.231	22.80

NAYY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

4 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	1.0	1.8	19.4	3.08	53	59	0.269	0.76
16	rm	1.0	1.8	21.8	1.91	71	77	0.253	1.22
25	rm	1.2	1.8	25.9	1.20	93	99	0.257	1.90
35	rm	1.2	1.8	28.6	0.868	115	119	0.247	2.66
50	sm	1.4	1.9	30.0	0.641	134	135	0.247	3.80
70	sm	1.4	2.1	34.1	0.443	167	165	0.238	5.32
95	sm	1.6	2.2	38.7	0.320	207	198	0.238	7.22
120	sm	1.6	2.3	42.6	0.253	240	225	0.233	9.12
150	sm	1.8	2.5	46.3	0.206	277	254	0.235	11.40
185	sm	2.0	2.7	52.2	0.164	316	286	0.233	14.06
240	sm	2.2	2.9	58.5	0.125	377	332	0.232	18.24
300	sm	2.4	3.1	65.4	0.100	433	376	0.231	22.80

5 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	1.0	1.8	22.5	3.08	54	60	0.269	0.76
16	rm	1.0	2.0	25.8	1.91	73	78	0.253	1.22
25	rm	1.2	2.0	30.3	1.20	97	101	0.257	1.90
35	rm	1.2	2.0	33.3	0.868	120	121	0.247	2.66
50	rm	1.4	2.2	39.1	0.641	147	144	0.247	3.80

N2XY 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

1 CORE

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.4	5.8	12.1	26	33	0.498	0.21
	rm	0.7	1.4	6.0	12.1	26	33	0.498	0.21
2.5	re	0.7	1.4	6.2	7.41	35	43	0.463	0.36
	rm	0.7	1.4	6.5	7.41	35	43	0.463	0.36
4	re	0.7	1.4	7.1	4.61	46	55	0.433	0.57
	rm	0.7	1.4	7.4	4.61	46	55	0.433	0.57
6	re	0.7	1.4	7.6	3.08	58	68	0.410	0.86
	rm	0.7	1.4	8.0	3.08	58	68	0.410	0.86
10	rm	0.7	1.4	9.4	1.83	80	91	0.382	1.43
16	rm	0.7	1.4	9.9	1.15	107	117	0.361	2.29
25	rm	0.9	1.4	11.6	0.727	145	151	0.348	3.58
35	rm	0.9	1.4	12.7	0.524	178	180	0.335	5.01
50	rm	1.0	1.4	14.3	0.387	220	214	0.325	7.15
70	rm	1.1	1.4	16.0	0.268	279	261	0.316	10.01
95	rm	1.1	1.6	18.5	0.193	346	312	0.310	13.59
120	rm	1.2	1.6	20.0	0.153	404	355	0.305	17.16
150	rm	1.4	1.6	22.2	0.124	466	397	0.305	21.45
185	rm	1.6	1.8	24.6	0.0991	543	449	0.304	26.46
240	rm	1.7	1.8	27.7	0.0754	650	519	0.300	34.32
300	rm	1.8	1.8	30.7	0.0601	751	584	0.295	42.90
400	rm	2.0	2.0	34.2	0.0470	875	660	0.295	57.20
500	rm	2.2	2.1	38.1	0.0366	1018	744	0.292	71.50
630	rm	2.4	2.2	42.4	0.0221	1179	834	0.289	90.09

NYYHY 450/750 V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION : **FACTORY SPECIFICATION, IEC 60228, SN 60502, SPLN 43-1**

2 CORES

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	No. of Wire	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity in Air	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	30°C	40°C
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
0,75	24	0.6	0.8	6.3	26.0	50	10	9
1	32	0.6	0.8	6.6	19.5	50	15	14
1,5	31	0.7	0.8	7.6	13.3	50	21	18
2,5	51	0.8	1.0	9.3	7.98	50	29	25
4	57	1.0	1.8	12.8	4.95	50	38	33
6	85	1.0	1.8	14.0	3.30	50	48	42
10	80	1.0	1.8	15.9	1.91	50	66	57
16	128	1.0	1.8	18.1	1.21	40	90	78
25	199	1.2	2.0	21.8	0.78	40	120	104
35	279	1.2	2.0	24.2	0.55	40	150	130
50	398	1.4	2.0	28.0	0.38	30	180	157
70	357	1.4	2.2	31.8	0.27	30	230	200
95	484	1.6	2.2	36.2	0.20	30	275	239
120	612	1.6	2.2	39.4	0.16	30	320	278

NYYHY 450/750 V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION : **FACTORY SPECIFICATION, IEC 60228, SNI 60502, SPLN 43-1**

3 CORES

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	No. of Wire	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity in Air	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	30°C	40°C
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
0.75	24	0.6	0.8	6.6	26.0	50	9	8
1	32	0.6	0.8	7.0	19.5	50	13	12
1.5	31	0.7	0.9	8.3	13.3	50	18	16
2.5	51	0.8	1.1	10.1	7.98	50	25	22
4	57	1.0	1.8	13.6	4.95	50	34	30
6	85	1.0	1.8	14.8	3.30	50	44	38
10	80	1.0	1.8	16.8	1.91	50	60	52
16	128	1.0	1.8	19.2	1.21	40	80	70
25	199	1.2	2.0	23.2	0.78	40	105	91
35	279	1.2	2.0	25.8	0.554	40	130	113
50	398	1.4	2.0	29.9	0.386	30	160	139
70	357	1.4	2.2	34.0	0.272	30	200	174
95	484	1.6	2.2	38.7	0.206	30	245	215
120	612	1.6	2.2	42.1	0.161	30	285	250

NYYHY 450/750 V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION : **FACTORY SPECIFICATION, IEC 60228, SNI 60502, SPLN 43-1**

4 CORES

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	No. of Wire	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity in Air	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	30°C	40°C
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
0.75	24	0.6	0.8	7.2	26,0	50	9	8
1	32	0.6	0.9	7.9	19,5	50	13	12
1.5	31	0.7	1.0	9.3	13,3	50	18	16
2.5	51	0.8	1.1	11.0	7,98	50	25	22
4	57	1.0	1.8	14.7	4,95	50	34	30
6	85	1.0	1.8	16.1	3,30	50	44	38
10	80	1.0	1.8	18.4	1,91	50	60	52
16	128	1.0	1.8	21.1	1,21	40	80	70
25	199	1.2	2.0	25.5	0,78	40	105	91
35	279	1.2	2.0	28.4	0,554	40	130	113
50	398	1.4	2.0	33.0	0,386	30	160	139
70	357	1.4	2.2	37.5	0,272	30	200	174
95	484	1.6	2.2	42.8	0,206	30	245	215
120	612	1.6	2.2	46.6	0,161	30	285	250

NYYHY 450/750 V

(Copper Conductor, PVC Insulated, PVC Sheathed)

SPECIFICATION : **FACTORY SPECIFICATION, IEC 60228, SN 60502, SPLN 43-1**

5 CORES

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	No. of Wire	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity in Air	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	30°C	40°C
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
1.5	31	0.8	1.1	10.9	13.3	50	18	16
2.5	51	0.8	1.2	12.3	7.98	50	25	22
4	57	1.0	1.8	16.1	4.95	50	34	30
6	85	1.0	1.8	17.6	3.30	50	44	38
10	80	1.0	1.8	20.2	1.91	50	60	52
16	128	1.0	2.0	23.5	1.21	40	80	70
25	199	1.2	2.0	28.1	0.78	40	105	91
35	279	1.2	2.0	31.3	0.554	40	130	113
50	398	1.4	2.0	36.9	0.386	30	160	139

N2XY 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20°C	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	11.2	12.1	29	34	0.315	0.21
	rm	0.7	1.8	11.5	12.1	29	34	0.315	0.21
2.5	re	0.7	1.8	12.9	7.41	38	44	0.293	0.36
	rm	0.7	1.8	12.5	7.41	38	44	0.293	0.36
4	re	0.7	1.8	13.0	4.61	50	58	0.275	0.57
	rm	0.7	1.8	13.5	4.61	50	58	0.275	0.57
6	re	0.7	1.8	13.9	3.08	64	73	0.263	0.86
	rm	0.7	1.8	14.7	3.08	64	73	0.263	0.86
10	rm	0.7	1.8	16.4	1.83	88	98	0.248	1.43
16	rm	0.7	1.8	18.5	1.15	116	128	0.238	2.29
25	rm	0.9	1.8	21.8	0.727	154	165	0.240	3.58
35	rm	0.9	1.8	24.1	0.524	190	199	0.233	5.01
50	rm	1.0	1.8	27.1	0.387	230	236	0.232	7.15
70	rm	1.1	1.8	31.2	0.268	292	292	0.229	10.01
95	rm	1.1	2.0	35.5	0.193	356	348	0.224	13.59
120	rm	1.2	2.1	39.3	0.153	414	397	0.223	17.16
150	rm	1.4	2.2	43.4	0.124	474	445	0.224	21.45
185	rm	1.6	2.3	48.2	0.0991	544	502	0.225	26.46
240	rm	1.7	2.5	54.4	0.0754	644	582	0.223	34.32
300	rm	1.8	2.7	59.9	0.0601	737	654	0.221	42.90

N2XY 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20°C	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	11.6	12.1	21	28	0.315	0.21
	rm	0.7	1.8	12.0	12.1	21	28	0.315	0.21
2.5	re	0.7	1.8	12.5	7.41	32	37	0.293	0.36
	rm	0.7	1.8	13.0	7.41	32	37	0.293	0.36
4	re	0.7	1.8	13.5	4.61	43	49	0.275	0.57
	rm	0.7	1.8	14.1	4.61	43	49	0.275	0.57
6	re	0.7	1.8	14.6	3.08	54	61	0.263	0.86
	rm	0.7	1.8	15.4	3.08	54	61	0.263	0.86
10	rm	0.7	1.8	17.3	1.83	74	83	0.248	1.43
16	rm	0.7	1.8	19.5	1.15	99	107	0.238	2.29
25	rm	0.9	1.8	23.1	0.727	131	139	0.240	3.58
35	rm	0.9	1.8	25.5	0.524	162	167	0.233	5.01
50	sm	1.0	1.8	24.4	0.387	200	203	0.232	7.15
70	sm	1.1	1.9	28.3	0.268	252	248	0.229	10.01
95	sm	1.1	2.0	31.6	0.193	309	298	0.224	13.59
120	sm	1.2	2.1	34.8	0.153	359	339	0.223	17.16
150	sm	1.4	2.3	38.7	0.124	411	379	0.224	21.45
185	sm	1.6	2.4	43.3	0.0991	475	430	0.225	26.46
240	sm	1.7	2.6	48.4	0.0754	562	497	0.223	34.32
300	sm	1.8	2.8	54.0	0.0601	645	560	0.221	42.90

N2XY 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20°C	Current Carrying Capacity		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	12.3	12.1	27	31	0.315	0.21
	rm	0.7	1.8	12.7	12.1	27	31	0.315	0.21
2.5	re	0.7	1.8	13.3	7.41	35	41	0.293	0.36
	rm	0.7	1.8	13.9	7.41	35	41	0.293	0.36
4	re	0.7	1.8	14.4	4.61	47	53	0.275	0.57
	rm	0.7	1.8	15.2	4.61	47	53	0.275	0.57
6	re	0.7	1.8	15.7	3.08	59	67	0.263	0.86
	rm	0.7	1.8	16.6	3.08	59	67	0.263	0.86
10	rm	0.7	1.8	18.7	1.83	81	89	0.248	1.43
16	rm	0.7	1.8	21.2	1.15	108	116	0.238	2.29
25	rm	0.9	1.8	25.2	0.727	146	151	0.240	3.58
35	rm	0.9	1.8	27.9	0.524	180	181	0.233	5.01
50	sm	1.0	1.9	29.1	0.387	212	208	0.232	7.15
70	sm	1.1	2.0	33.7	0.268	265	254	0.229	10.01
95	sm	1.1	2.1	37.3	0.193	327	305	0.224	13.59
120	sm	1.2	2.3	41.9	0.153	379	347	0.223	17.16
150	sm	1.4	2.4	45.5	0.124	442	392	0.224	21.45
185	sm	1.6	2.6	51.5	0.0991	504	441	0.225	26.46
240	sm	1.7	2.8	57.5	0.0754	597	511	0.223	34.32
300	sm	1.8	3.0	64.0	0.0601	685	576	0.221	42.90

N2XY 0.6/1 kV

(Copper Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.7	1.8	13.4	12.1	27	31	0.315	0.21
	rm	0.7	1.8	14.0	12.1	27	31	0.315	0.21
2.5	re	0.7	1.8	14.5	7.41	35	41	0.293	0.36
	rm	0.7	1.8	15.2	7.41	35	41	0.293	0.36
4	re	0.7	1.8	15.8	4.61	47	53	0.275	0.57
	rm	0.7	1.8	16.6	4.61	47	53	0.275	0.57
6	re	0.7	1.8	17.8	3.08	59	67	0.263	0.86
	rm	0.7	1.8	18.1	3.08	59	67	0.263	0.86
10	rm	0.7	1.8	20.5	1.83	81	89	0.248	1.43
16	rm	0.7	1.8	23.4	1.15	108	116	0.238	2.29
25	rm	0.9	1.8	27.9	0.727	146	151	0.240	3.58
35	rm	0.9	1.8	30.9	0.524	180	181	0.233	5.01
50	sm	1.0	2.0	35.9	0.387	212	208	0.232	7.15

NA2XY 0.6/1 kV

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

NA2XY Cables are low voltage cables with 0.6/1 kV. They are normally used as indoor, cable trunking, outdoor and buried in the ground, for power station, industry and switchgear as well as for urban supply networks, if mechanical damage is unikely.

The conductors are either solid or stranded and annealed soft copper wires with cross-sectional areas from 10 mm² to 630 mm². Its XLPE insulation and sheath is made of PVC.

1 CORE									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
25	rm	0.9	1.4	11.6	1.20	112	117	0.348	2.35
35	rm	0.9	1.4	12.7	0.868	138	140	0.335	3.29
50	rm	1.0	1.4	14.3	0.641	170	166	0.325	4.70
70	rm	1.1	1.4	16.0	0.443	218	203	0.316	6.58
95	rm	1.1	1.6	18.5	0.320	269	242	0.310	8.93
120	rm	1.2	1.6	20.0	0.253	312	275	0.305	11.28
150	rm	1.4	1.6	22.2	0.206	364	309	0.304	14.10
185	rm	1.6	1.8	24.6	0.164	424	350	0.304	17.39
240	rm	1.7	1.8	27.7	0.125	510	406	0.300	22.56
300	rm	1.8	1.8	30.7	0.100	590	458	0.295	28.20
400	rm	2.0	2.0	34.2	0.0778	711	528	0.292	37.60
500	rm	2.2	2.1	38.1	0.0605	823	599	0.291	47.00
630	rm	2.4	2.2	42.4	0.0469	963	680	0.289	59.22

NA2XY 0.6/1 kV

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

2 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
25	rm	0.9	1.8	21.8	1.20	119	128	0.242	2.35
35	rm	0.9	1.8	24.1	0.868	147	154	0.234	3.29
50	rm	1.0	1.8	27.1	0.641	179	183	0.232	4.70
70	rm	1.1	1.8	31.2	0.443	227	226	0.229	6.58
95	rm	1.1	2.0	35.5	0.320	277	270	0.224	8.93
120	rm	1.2	2.1	39.3	0.253	322	308	0.223	11.28
150	rm	1.4	2.2	43.4	0.206	364	344	0.225	14.10
185	rm	1.6	2.3	48.2	0.164	425	391	0.225	17.39
240	rm	1.7	2.5	54.4	0.125	501	454	0.223	22.56
300	rm	1.8	2.7	59.9	0.100	574	511	0.222	28.20

3 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
25	rm	0.9	1.8	23.1	1.20	101	107	0.248	2.35
35	rm	0.9	1.8	25.5	0.868	125	129	0.236	3.29
50	sm	1.0	1.8	24.4	0.641	155	157	0.232	4.70
70	sm	1.1	1.9	28.3	0.443	195	193	0.229	6.58
95	sm	1.1	2.0	31.6	0.320	240	231	0.224	8.93
120	sm	1.2	2.1	34.8	0.253	279	263	0.223	11.28
150	sm	1.4	2.3	38.7	0.206	319	294	0.225	14.10
185	sm	1.6	2.4	43.3	0.164	370	335	0.225	17.39
240	sm	1.7	2.6	48.4	0.125	439	388	0.223	22.56
300	sm	1.8	2.8	54.0	0.100	506	439	0.222	28.20

NA2XY 0.6/1 kV

(Aluminium Conductor, XLPE Insulated, PVC Sheathed)

SPECIFICATION: SPLN 43-6, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
25	rm	0.9	1.8	25.2	1.20	112	116	0.248	2.35
35	rm	0.9	1.8	27.9	0.868	139	140	0.236	3.29
50	sm	1.0	1.9	29.1	0.641	164	162	0.232	4.70
70	sm	1.1	2.0	33.7	0.443	206	197	0.229	6.58
95	sm	1.1	2.1	37.3	0.320	253	237	0.224	8.93
120	sm	1.2	2.3	41.9	0.253	295	269	0.223	11.28
150	sm	1.4	2.4	45.5	0.206	343	305	0.225	14.10
185	sm	1.6	2.6	51.5	0.164	393	344	0.225	17.39
240	sm	1.7	2.8	57.5	0.125	466	399	0.223	22.56
300	sm	1.8	3.0	64.0	0.100	537	451	0.222	28.20

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
10	rm	0.7	1.8	20.5	3.08	65	70	0.248	2.35
16	rm	0.7	1.8	23.4	1.91	88	92	0.248	2.35
25	rm	0.9	1.8	27.9	1.20	117	118	0.248	2.35
35	rm	0.9	1.8	30.9	0.868	144	129	0.236	3.29
50	rm	1.0	2.0	35.9	0.641	176	168	0.232	4.70

NYFGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

2 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	16.0	12.1	23	27	0.328	0.17
	rm	0.8	1.8	16.1	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	16.2	7.41	30	36	0.304	0.29
	rm	0.8	1.8	16.3	7.41	30	36	0.304	0.29
4	re	1.0	1.8	15.9	4.61	40	47	0.303	0.46
	rm	1.0	1.8	16.5	4.61	40	47	0.303	0.46
6	re	1.0	1.8	16.9	3.08	51	59	0.288	0.69
	rm	1.0	1.8	17.7	3.08	51	59	0.288	0.69
10	rm	1.0	1.8	19.4	1.83	70	80	0.269	1.15
16	rm	1.0	1.8	21.5	1.15	93	104	0.255	1.84
25	rm	1.2	1.8	24.9	0.727	123	134	0.255	2.88
35	rm	1.2	1.8	27.1	0.524	151	162	0.246	4.03
50	rm	1.4	1.9	30.5	0.387	182	191	0.247	5.75
70	rm	1.4	2.0	34.5	0.268	230	236	0.238	8.05
95	rm	1.6	2.1	39.2	0.193	280	281	0.233	10.93
120	rm	1.6	2.2	42.5	0.153	325	321	0.233	13.80
150	rm	1.8	2.3	46.9	0.124	371	361	0.233	17.25
185	rm	2.0	2.5	51.8	0.0991	424	406	0.233	21.28
240	rm	2.2	2.7	58.0	0.0754	501	470	0.232	27.60
300	rm	2.4	2.8	64.1	0.0601	572	528	0.231	34.50

NYFGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	16.2	12.1	19	23	0.328	0.17
	rm	0.8	1.8	16.2	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	16.7	7.41	26	31	0.304	0.29
	rm	0.8	1.8	16.4	7.41	26	31	0.304	0.29
4	re	1.0	1.8	16.6	4.61	34	40	0.303	0.46
	rm	1.0	1.8	17.2	4.61	34	40	0.303	0.46
6	re	1.0	1.8	17.7	3.08	44	50	0.288	0.69
	rm	1.0	1.8	18.5	3.08	44	50	0.288	0.69
10	rm	1.0	1.8	22.6	1.83	60	68	0.269	1.15
16	rm	1.0	1.8	22.6	1.15	79	88	0.255	1.84
25	rm	1.2	1.8	26.2	0.727	105	114	0.255	2.88
35	rm	1.2	1.8	28.6	0.524	129	137	0.246	4.03
50	sm	1.4	1.9	28.1	0.387	162	168	0.247	5.75
70	sm	1.4	2.0	31.3	0.268	203	206	0.238	8.05
95	sm	1.6	2.2	35.6	0.193	250	247	0.233	10.93
120	sm	1.6	2.3	38.4	0.153	289	281	0.233	13.80
150	sm	1.8	2.4	42.2	0.124	330	315	0.233	17.25
185	sm	2.0	2.6	46.8	0.0991	381	356	0.233	21.28
240	sm	2.2	2.8	52.3	0.0754	451	412	0.232	27.60
300	sm	2.4	3.0	57.4	0.0601	517	464	0.231	34.50

NYFGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	16.:	12.1	19	23	0.328	0.17
	rm	0.8	1.8	16.2	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	13.0	7.41	29	35	0.304	0.29
	rm	0.8	1.8	13.6	7.41	29	35	0.304	0.29
4	re	1.0	1.8	15.1	4.61	39	46	0.303	0.46
	rm	1.0	1.8	15.8	4.61	39	46	0.303	0.46
6	re	1.0	1.8	16.3	3.08	50	57	0.288	0.69
	rm	1.0	1.8	17.2	3.08	50	57	0.288	0.69
10	rm	1.0	1.8	19.4	1.83	68	77	0.269	1.15
16	rm	1.0	1.8	21.8	1.15	90	99	0.255	1.84
25	rm	1.2	1.8	25.9	0.727	121	128	0.255	2.88
35	rm	1.2	1.9	28.6	0.524	149	154	0.246	4.03
50	sm	1.4	2.0	30.0	0.387	173	173	0.247	5.75
70	sm	1.4	2.1	34.1	0.268	215	212	0.238	8.05
95	sm	1.6	2.3	38.7	0.193	266	255	0.233	10.93
120	sm	1.6	2.4	42.6	0.153	308	289	0.233	13.80
150	sm	1.8	2.6	46.3	0.124	357	327	0.233	17.25
185	sm	2.0	2.8	52.2	0.0991	405	366	0.233	21.28
240	sm	2.2	3.0	58.5	0.0754	482	425	0.232	27.60
300	sm	2.4	3.2	65.4	0.0601	552	479	0.231	34.50

NYFGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Flat Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	18.2	12.1	23	27	0.328	0.17
	rm	0.8	1.8	18.8	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	19.9	7.41	30	36	0.304	0.29
	rm	0.8	1.8	20.6	7.41	30	36	0.304	0.29
4	re	1.0	1.8	21.7	4.61	41	47	0.303	0.46
	rm	1.0	1.8	22.5	4.61	41	47	0.303	0.46
6	re	1.0	1.8	23.0	3.08	52	59	0.288	0.69
	rm	1.0	1.8	24.0	3.08	52	59	0.288	0.69
10	re	1.0	1.8	25.1	1.83	71	78	0.269	1.15
	rm	1.0	1.8	26.4	1.83	71	78	0.269	1.15
16	rm	1.0	1.9	29.5	1.15	94	101	0.255	1.84
25	rm	1.2	1.9	34.0	0.727	126	131	0.255	2.88
35	rm	1.2	2.0	38.2	0.524	155	157	0.246	4.03
50	rm	1.4	2.2	45.8	0.387	189	185	0.247	5.75

NAYFGbY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, SWA, PVC Sheathed)

SPECIFICATION : **SPLN 43-2 : 1994,**
SNI IEC 60502-1 : 1997

2 CORES

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Construction	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²		mm	mm	mm	ohm / km	M.ohm.km	A	A
16	rm	1.0	1.8	20.6	1.91	40	69	62
25	rm	1.2	1.8	24.9	1.20	40	102	94
35	rm	1.2	1.8	27.1	0.868	40	125	115
50	rm	1.4	1.9	30.5	0.641	30	147	140
70	rm	1.4	2	34.5	0.443	30	178	180
95	rm	1.6	2.1	39.2	0.320	30	220	215
120	rm	1.6	2.2	42.5	0.253	30	245	250
150	rm	1.8	2.3	46.9	0.206	20	280	290
185	rm	2	2.5	51.8	0.164	20	315	335
240	rm	2.2	2.7	58.0	0.125	20	370	395
300	rm	2.4	2.8	64.1	0.100	20	415	460

NAYFGbY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, SWA, PVC Sheathed)

SPECIFICATION : **SPLN 43-2 : 1994,**
SNI IEC 60502-1 : 1997

3 CORES								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Construction	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²		mm	mm	mm	ohm / km	M.ohm.km	A	A
16	rm	1.0	1.8	21.6	1.91	40	69	62
25	rm	1.0	1.8	26.2	1.20	40	89	82
35	rm	1.0	1.8	28.1	0.868	40	107	100
50	sm	1.4	1.9	28.6	0.641	30	129	125
70	sm	1.4	2	31.3	0.443	30	156	155
95	sm	1.6	2.2	35.6	0.320	30	191	190
120	sm	1.6	2.3	38.4	0.253	30	220	220
150	sm	1.8	2.4	42.2	0.206	20	245	250
185	sm	2	2.6	46.8	0.164	20	275	285
240	sm	2.2	2.8	52.3	0.125	20	320	340
300	sm	2.4	3.0	57.4	0.100	20	365	390

NAYFGbY 0.6/1 kV

(Aluminium Conductor, PVC Insulated, SWA, PVC Sheathed)

SPECIFICATION : **SPLN 43-2 : 1994,**
SNI IEC 60502-1 : 1997

4 CORES								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Construction	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2		mm	mm	mm	ohm / km	M.ohm.km	A	A
16	rm	1.0	1.8	24.7	1.91	40	69	62
25	rm	1.2	1.9	29	1.20	40	89	82
35	rm	1.2	1.9	31.7	0.868	40	107	100
50	sm	1.4	2	32.9	0.641	30	129	125
70	sm	1.4	2.1	37.2	0.443	30	156	155
95	sm	1.6	2.3	42	0.320	30	191	190
120	sm	1.6	2.4	45.7	0.253	30	220	220
150	sm	1.8	2.6	49.7	0.206	20	245	250
185	sm	2	2.8	55.7	0.164	20	275	285
240	sm	2.2	3	62.1	0.125	20	320	340
300	sm	2.4	3.2	69.5	0.100	20	365	390

NYRGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Round Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

2 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	13.4	12.1	23	27	0.328	0.17
	rm	0.8	1.8	13.7	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	14.2	7.41	30	36	0.304	0.29
	rm	0.8	1.8	14.7	7.41	30	36	0.304	0.29
4	re	1.0	1.8	15.9	4.61	40	47	0.303	0.46
	rm	1.0	1.8	16.5	4.61	40	47	0.303	0.46
6	re	1.0	1.8	16.9	3.08	51	59	0.288	0.69
	rm	1.0	1.8	17.7	3.08	51	59	0.288	0.69
10	rm	1.0	1.8	19.4	1.83	70	80	0.269	1.15
16	rm	1.0	1.8	21.9	1.15	93	104	0.255	1.84
25	rm	1.2	1.8	26.5	0.727	123	134	0.255	2.88
35	rm	1.2	1.8	28.7	0.524	151	162	0.246	4.03
50	rm	1.4	1.8	31.9	0.387	182	191	0.247	5.75
70	rm	1.4	1.9	36.4	0.268	230	236	0.238	8.05
95	rm	1.6	2.2	41.8	0.193	280	281	0.233	10.93
120	rm	1.6	2.3	46.1	0.153	325	321	0.233	13.80
150	rm	1.8	2.4	50.2	0.124	371	361	0.233	17.25
185	rm	2.0	2.6	55.4	0.0991	424	406	0.233	21.28
240	rm	2.2	2.8	62.9	0.0754	501	470	0.232	27.60
300	rm	2.4	2.8	64.1	0.0601	572	528	0.231	34.50

NYRGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Round Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	13.8	12.1	19	23	0.328	0.17
	rm	0.8	1.8	14.2	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	14.7	7.41	26	31	0.304	0.29
	rm	0.8	1.8	15.2	7.41	26	31	0.304	0.29
4	re	1.0	1.8	16.6	4.61	34	40	0.303	0.46
	rm	1.0	1.8	17.2	4.61	34	40	0.303	0.46
6	re	1.0	1.8	17.7	3.08	44	50	0.288	0.69
	rm	1.0	1.8	18.5	3.08	44	50	0.288	0.69
10	rm	1.0	1.8	20.8	1.83	60	68	0.269	1.15
16	rm	1.0	1.8	23.0	1.15	79	88	0.255	1.84
25	rm	1.2	1.8	27.8	0.727	105	114	0.255	2.88
35	rm	1.2	1.8	30.2	0.524	129	137	0.246	4.03
50	sm	1.4	2.0	29.9	0.387	162	168	0.247	5.75
70	sm	1.4	2.0	33.7	0.268	203	206	0.238	8.05
95	sm	1.6	2.3	38.2	0.193	250	247	0.233	10.93
120	sm	1.6	2.4	41.0	0.153	289	281	0.233	13.80
150	sm	1.8	2.5	45.8	0.124	330	315	0.233	17.25
185	sm	2.0	2.7	50.4	0.0991	381	356	0.233	21.28
240	sm	2.2	2.9	55.9	0.0754	451	412	0.232	27.60
300	sm	2.4	3.0	57.4	0.0601	517	464	0.231	34.50

NYRGbY 0.6/1 kV

(Copper Conductor, PVC Insulated, Galvanized Steel Round Wire, Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-2, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm^2	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	14.6	12.1	19	23	0.328	0.17
	rm	0.8	1.8	15.0	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	15.6	7.41	29	35	0.304	0.29
	rm	0.8	1.8	16.2	7.41	29	35	0.304	0.29
4	re	1.0	1.8	17.7	4.61	39	46	0.303	0.46
	rm	1.0	1.8	18.4	4.61	39	46	0.303	0.46
6	re	1.0	1.8	18.9	3.08	50	57	0.288	0.69
	rm	1.0	1.8	19.8	3.08	50	57	0.288	0.69
10	rm	1.0	1.8	22.4	1.83	68	77	0.269	1.15
16	rm	1.0	1.8	25.2	1.15	90	99	0.255	1.84
25	rm	1.2	1.8	30.1	0.727	121	128	0.255	2.88
35	rm	1.2	1.9	33.0	0.524	149	154	0.246	4.03
50	sm	1.4	2.1	34.3	0.387	173	173	0.247	5.75
70	sm	1.4	2.2	39.4	0.268	215	212	0.238	8.05
95	sm	1.6	2.4	44.1	0.193	266	255	0.233	10.93
120	sm	1.6	2.5	48.8	0.153	308	289	0.233	13.80
150	sm	1.8	2.7	52.8	0.124	357	327	0.233	17.25
185	sm	2.0	2.9	60.1	0.0991	405	366	0.233	21.28
240	sm	2.2	3.1	66.4	0.0754	482	425	0.232	27.60
300	sm	2.4	3.2	65.4	0.0601	552	479	0.231	34.50

NYCY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

1 CORE									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5/1.5	re	0.8	1.4	5.8	12.1	24	28	0.601	0.17
	rm	0.8	1.4	6	12.1	24	28	0.601	0.17
2.5/2.5	re	0.8	1.4	6.2	7.41	32	36	0.561	0.29
	rm	0.8	1.4	6.5	7.41	32	36	0.561	0.29
04-Apr	re	1	1.4	7.1	4.61	42	47	0.531	0.46
	rm	1	1.4	7.4	4.61	42	47	0.531	0.46
06-Jun	re	1	1.4	7.6	3.08	53	59	0.503	0.69
	rm	1	1.4	8	3.08	53	59	0.503	0.69
10-Okt	re	1	1.4	8.8	1.83	72	78	0.446	1.15
	rm	1	1.4	9.4	1.83	72	78	0.446	1.15
16/16	rm	1	1.4	9.9	1.15	96	101	0.445	1.84
25/16	rm	1.2	1.4	11.6	0.727	127	130	0.419	2.88
35/16	rm	1.2	1.4	12.7	0.524	155	156	0.401	4.03
5025	rm	1.4	1.4	14.3	0.387	190	185	0.391	5.75
70/35	rm	1.4	1.4	16	0.268	237	226	0.375	8.05
95/50	rm	1.6	1.5	18.5	0.193	290	267	0.368	10.93
120/70	rm	1.6	1.6	20	0.153	334	300	0.363	13.8
150/70	rm	1.8	1.7	22.2	0.124	378	333	0.357	17.25
185/95	rm	2	1.7	24.6	0.0991	429	368	0.351	21.28
240/120	rm	2.2	1.8	27.7	0.0754	495	412	0.344	27.6
300/150	rm	2.4	1.9	30.7	0.0601	550	447	0.34	34.5
400/120	rm	2.6	2.1	34.2	0.047	615	485	0.339	41.2
500/240	rm	2.8	2.2	38.1	0.0366	684	523	0.335	51.5
630/300	rm	2.8	2.3	42.4	0.0221	761	565	0.328	64.89

NYCY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5/1.5	re	0.8	1.8	10.8	12.1	23	27	0.328	0.17
	rm	0.8	1.8	11.1	12.1	23	27	0.328	0.17
2.5/2.5	re	0.8	1.8	11.6	7.41	30	36	0.304	0.29
	rm	0.8	1.8	12.1	7.41	30	36	0.304	0.29
04-Apr	re	1	1.8	13.3	4.61	40	47	0.303	0.46
	rm	1	1.8	13.9	4.61	40	47	0.303	0.46
06-Jun	re	1	1.8	14.3	3.08	51	59	0.288	0.69
	rm	1	1.8	15.1	3.08	51	59	0.288	0.69
10-Okt	re	1	1.8	16.8	1.83	70	80	0.269	1.15
	rm	1	1.8	17.9	1.83	70	80	0.269	1.15
16/16	rm	1	1.8	18.9	1.15	93	104	0.255	1.84
25/16	rm	1.2	1.8	22.3	0.727	123	134	0.255	2.88
35/16	rm	1.2	1.8	24.5	0.524	151	162	0.246	4.03
5025	rm	1.4	1.9	27.7	0.387	182	191	0.247	5.75
70/35	rm	1.4	1.9	31.4	0.268	230	236	0.238	8.05
95/50	rm	1.6	2	36.4	0.193	280	281	0.233	10.93
120/70	rm	1.6	2.1	39.7	0.153	325	321	0.233	13.8
150/70	rm	1.8	2.2	43.7	0.124	371	361	0.233	17.25
185/95	rm	2	2.4	48.6	0.0991	424	406	0.233	21.28
240/120	rm	2.2	2.6	55.1	0.0754	501	470	0.232	27.6
300/150	rm	2.4	2.7	60.8	0.0601	572	528	0.231	34.5

NYCY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5/1.5	re	0.8	1.8	11.2	12.1	19	23	0.328	0.17
	rm	0.8	1.8	11.6	12.1	19	23	0.328	0.17
2.5/2.5	re	0.8	1.8	12.1	7.41	26	31	0.304	0.29
	rm	0.8	1.8	12.6	7.41	26	31	0.304	0.29
04-Apr	re	1	1.8	14	4.61	34	40	0.303	0.46
	rm	1	1.8	14.6	4.61	34	40	0.303	0.46
06-Jun	re	1	1.8	15.1	3.08	44	50	0.288	0.69
	rm	1	1.8	15.9	3.08	44	50	0.288	0.69
10-Okt	re	1	1.8	17.8	1.83	60	68	0.269	1.15
	rm	1	1.8	19.2	1.83	60	68	0.269	1.15
16/16	rm	1	1.8	20	1.15	79	88	0.255	1.84
25/16	rm	1.2	1.8	23.6	0.727	105	114	0.255	2.88
35/16	rm	1.2	1.8	26	0.524	129	137	0.246	4.03
5025	sm	1.4	1.8	25.3	0.387	162	168	0.247	5.75
70/35	sm	1.4	2	28.6	0.268	203	206	0.238	8.05
95/50	sm	1.6	2.1	32.7	0.193	250	247	0.233	10.93
120/70	sm	1.6	2.2	35.5	0.153	289	281	0.233	13.8
150/70	sm	1.8	2.3	39.2	0.124	330	315	0.233	17.25
185/95	sm	2	2.5	43.8	0.0991	381	356	0.233	21.28
240/120	sm	2.2	2.7	49.3	0.0754	451	412	0.232	27.6
300/150	sm	2.4	3.1	55	0.0601	517	464	0.231	34.5

NYCY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5/1.5	re	0.8	1.8	12	12.1	22	27	0.328	0.17
	rm	0.8	1.8	12.4	12.1	22	27	0.328	0.17
2.5/2.5	re	0.8	1.8	13	7.41	29	35	0.304	0.29
	rm	0.8	1.8	13.6	7.41	29	35	0.304	0.29
04-Apr	re	1	1.8	15.1	4.61	39	46	0.303	0.46
	rm	1	1.8	15.8	4.61	39	46	0.303	0.46
06-Jun	re	1	1.8	16.3	3.08	50	57	0.288	0.69
	rm	1	1.8	17.2	3.08	50	57	0.288	0.69
10-Okt	re	1	1.8	19.4	1.83	68	77	0.269	1.15
	rm	1	1.8	20.6	1.83	68	77	0.269	1.15
16/16	rm	1	1.8	21.8	1.15	90	99	0.255	1.84
25/16	rm	1.2	1.8	25.9	0.727	121	128	0.255	2.88
35/16	rm	1.2	1.8	28.6	0.524	149	154	0.246	4.03
5025	sm	1.4	1.9	30	0.387	173	173	0.247	5.75
70/35	sm	1.4	2.1	34.1	0.268	215	212	0.238	8.05
95/50	sm	1.6	2.2	38.7	0.193	266	255	0.233	10.93
120/70	sm	1.6	2.3	42.6	0.153	308	289	0.233	13.8
150/70	sm	1.8	2.5	46.3	0.124	357	327	0.233	17.25
185/95	sm	2	2.7	52.2	0.0991	405	366	0.233	21.28
240/120	sm	2.2	2.9	58.5	0.0754	482	425	0.232	27.6
300/150	sm	2.4	3.1	65.4	0.0601	552	479	0.231	34.5

NYCY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Wire Screen, PVC Sheathed)

SPECIFICATION: SPLN 43-1, SNI IEC 60502-1

5 CORES

DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5/1.5	re	0.8	1.8	13.5	12.1	23	27	0.328	0.17
	rm	0.8	1.8	14.1	12.1	23	27	0.328	0.17
2.5/2.5	re	0.8	1.8	15.2	7.41	30	36	0.304	0.29
	rm	0.8	1.8	15.9	7.41	30	36	0.304	0.29
04-Apr	re	1	1.8	17	4.61	41	47	0.303	0.46
	rm	1	1.8	17.8	4.61	41	47	0.303	0.46
06-Jun	re	1	1.8	18.3	3.08	52	59	0.288	0.69
	rm	1	1.8	19.3	3.08	52	59	0.288	0.69
10-Okt	re	1	1.8	21.2	1.83	71	78	0.269	1.15
	rm	1	1.8	22.5	1.83	71	78	0.269	1.15
16/16	rm	1	2	25.8	1.15	94	101	0.255	1.84
25/16	rm	1.2	2	30.3	0.727	126	131	0.255	2.88
35/16	rm	1.2	2	33.3	0.524	155	157	0.246	4.03
5025	rm	1.4	2.2	39.1	0.387	189	185	0.247	5.75

NYSY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Tape Screen, PVC Sheathed)

SPECIFICATION: SNI IEC 60502-1

1 CORE									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.4	5.8	12.1	24	28	0.601	0.17
	rm	0.8	1.4	6	12.1	24	28	0.601	0.17
2.5	re	0.8	1.4	6.2	7.41	32	36	0.561	0.29
	rm	0.8	1.4	6.5	7.41	32	36	0.561	0.29
4	re	1	1.4	7.1	4.61	42	47	0.531	0.46
	rm	1	1.4	7.4	4.61	42	47	0.531	0.46
6	re	1	1.4	7.6	3.08	53	59	0.503	0.69
	rm	1	1.4	8	3.08	53	59	0.503	0.69
10	re	1	1.4	8.8	1.83	72	78	0.446	1.15
16	rm	1	1.4	9.4	1.83	72	78	0.446	1.15
25	rm	1	1.4	9.9	1.15	96	101	0.445	1.84
35	rm	1.2	1.4	11.6	0.727	127	130	0.419	2.88
50	rm	1.2	1.4	12.7	0.524	155	156	0.401	4.03
70	rm	1.4	1.4	14.3	0.387	190	185	0.391	5.75
95	rm	1.4	1.4	16	0.268	237	226	0.375	8.05
120	rm	1.6	1.5	18.5	0.193	290	267	0.368	10.93
150	rm	1.6	1.6	20	0.153	334	300	0.363	13.8
185	rm	1.8	1.7	22.2	0.124	378	333	0.357	17.25
240	rm	2	1.7	24.6	0.0991	429	368	0.351	21.28
300	rm	2.2	1.8	27.7	0.0754	495	412	0.344	27.6
400	rm	2.4	1.9	30.7	0.0601	550	447	0.34	34.5
500	rm	2.6	2.1	34.2	0.047	615	485	0.339	41.2
630	rm	2.8	2.2	38.1	0.0366	684	523	0.335	51.5

NYSY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Tape Screen, PVC Sheathed)

SPECIFICATION: SNI IEC 60502-1

2 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	10.8	12.1	23	27	0.328	0.17
	rm	0.8	1.8	11.1	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	11.6	7.41	30	36	0.304	0.29
	rm	0.8	1.8	12.1	7.41	30	36	0.304	0.29
4	re	1	1.8	13.3	4.61	40	47	0.303	0.46
	rm	1	1.8	13.9	4.61	40	47	0.303	0.46
6	re	1	1.8	14.3	3.08	51	59	0.288	0.69
	rm	1	1.8	15.1	3.08	51	59	0.288	0.69
10	re	1	1.8	16.8	1.83	70	80	0.269	1.15
	rm	1	1.8	17.9	1.83	70	80	0.269	1.15
16	rm	1	1.8	18.9	1.15	93	104	0.255	1.84
25	rm	1.2	1.8	22.3	0.727	123	134	0.255	2.88
35	rm	1.2	1.8	24.5	0.524	151	162	0.246	4.03
50	rm	1.4	1.9	27.7	0.387	182	191	0.247	5.75
70	rm	1.4	1.9	31.4	0.268	230	236	0.238	8.05
95	rm	1.6	2	36.4	0.193	280	281	0.233	10.93
120	rm	1.6	2.1	39.7	0.153	325	321	0.233	13.8
150	rm	1.8	2.2	43.7	0.124	371	361	0.233	17.25
185	rm	2	2.4	48.6	0.0991	424	406	0.233	21.28
240	rm	2.2	2.6	55.1	0.0754	501	470	0.232	27.6
300	rm	2.4	2.7	60.8	0.0601	572	528	0.231	34.5

NYSY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Tape Screen, PVC Sheathed)

SPECIFICATION: SNI IEC 60502-1

3 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	11.2	12.1	19	23	0.328	0.17
	rm	0.8	1.8	11.6	12.1	19	23	0.328	0.17
2.5	re	0.8	1.8	12.1	7.41	26	31	0.304	0.29
	rm	0.8	1.8	12.6	7.41	26	31	0.304	0.29
4	re	1	1.8	14	4.61	34	40	0.303	0.46
	rm	1	1.8	14.6	4.61	34	40	0.303	0.46
6	re	1	1.8	15.1	3.08	44	50	0.288	0.69
	rm	1	1.8	15.9	3.08	44	50	0.288	0.69
10	re	1	1.8	17.8	1.83	60	68	0.269	1.15
	rm	1	1.8	19.2	1.83	60	68	0.269	1.15
16	rm	1	1.8	20	1.15	79	88	0.255	1.84
25	rm	1.2	1.8	23.6	0.727	105	114	0.255	2.88
35	rm	1.2	1.8	26	0.524	129	137	0.246	4.03
50	sm	1.4	1.8	25.3	0.387	162	168	0.247	5.75
70	sm	1.4	2	28.6	0.268	203	206	0.238	8.05
95	sm	1.6	2.1	32.7	0.193	250	247	0.233	10.93
120	sm	1.6	2.2	35.5	0.153	289	281	0.233	13.8
150	sm	1.8	2.3	39.2	0.124	330	315	0.233	17.25
185	sm	2	2.5	43.8	0.0991	381	356	0.233	21.28
240	sm	2.2	2.7	49.3	0.0754	451	412	0.232	27.6
300	sm	2.4	3.1	55	0.0601	517	464	0.231	34.5

NYSY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Tape Screen, PVC Sheathed)

SPECIFICATION: SNI IEC 60502-1

4 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	12	12.1	22	27	0.328	0.17
	rm	0.8	1.8	12.4	12.1	22	27	0.328	0.17
2.5	re	0.8	1.8	13	7.41	29	35	0.304	0.29
	rm	0.8	1.8	13.6	7.41	29	35	0.304	0.29
4	re	1	1.8	15.1	4.61	39	46	0.303	0.46
	rm	1	1.8	15.8	4.61	39	46	0.303	0.46
6	re	1	1.8	16.3	3.08	50	57	0.288	0.69
	rm	1	1.8	17.2	3.08	50	57	0.288	0.69
10	re	1	1.8	19.4	1.83	68	77	0.269	1.15
	rm	1	1.8	20.6	1.83	68	77	0.269	1.15
16	rm	1	1.8	21.8	1.15	90	99	0.255	1.84
25	rm	1.2	1.8	25.9	0.727	121	128	0.255	2.88
35	rm	1.2	1.8	28.6	0.524	149	154	0.246	4.03
50	sm	1.4	1.9	30	0.387	173	173	0.247	5.75
70	sm	1.4	2.1	34.1	0.268	215	212	0.238	8.05
95	sm	1.6	2.2	38.7	0.193	266	255	0.233	10.93
120	sm	1.6	2.3	42.6	0.153	308	289	0.233	13.8
150	sm	1.8	2.5	46.3	0.124	357	327	0.233	17.25
185	sm	2	2.7	52.2	0.0991	405	366	0.233	21.28
240	sm	2.2	2.9	58.5	0.0754	482	425	0.232	27.6
300	sm	2.4	3.1	65.4	0.0601	552	479	0.231	34.5

NYSY 0.6/1 kV

(Copper Conductor, PVC Insulated, Copper Tape Screen, PVC Sheathed)

SPECIFICATION: SNI IEC 60502-1

5 CORES									
DIMENSION DATA					ELECTRICAL DATA				
Size	Shave	Nominal Thickness		Overall Diameter	Conductor Resistance at 20ºC	Current Carrying Capacity at 30ºC		Inductance	Short circuit current at 1 sec.
		Insulation	Sheath	Approx.	Max.	in air (Max.)	In ground (Max).		Max.
mm²	-	mm	mm	mm	Ω/km	A	A	mH/km	kA
1.5	re	0.8	1.8	13.5	12.1	23	27	0.328	0.17
	rm	0.8	1.8	14.1	12.1	23	27	0.328	0.17
2.5	re	0.8	1.8	15.2	7.41	30	36	0.304	0.29
	rm	0.8	1.8	15.9	7.41	30	36	0.304	0.29
4	re	1	1.8	17	4.61	41	47	0.303	0.46
	rm	1	1.8	17.8	4.61	41	47	0.303	0.46
6	re	1	1.8	18.3	3.08	52	59	0.288	0.69
	rm	1	1.8	19.3	3.08	52	59	0.288	0.69
10	re	1	1.8	21.2	1.83	71	78	0.269	1.15
	rm	1	1.8	22.5	1.83	71	78	0.269	1.15
16	rm	1	2	25.8	1.15	94	101	0.255	1.84
25	rm	1.2	2	30.3	0.727	126	131	0.255	2.88
35	rm	1.2	2	33.3	0.524	155	157	0.246	4.03
50	rm	1.4	2.2	39.1	0.387	189	185	0.247	5.75

MEDIUM-VOLTAGE CABLES

N2XSY / NA2XSY

1.8/3 (3.6) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502-1, SN 60502-2**

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630	800
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30	34.20
Nominal insulation thickness		mm	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.20	2.40	2.60
Insulation diameter (approx.)		mm	10.30	11.30	12.50	14.10	15.90	17.30	18.50	20.50	22.90	25.10	27.90	31.20	35.30	39.60
Nominal jacket thickness		mm	1.40	1.40	1.40	1.50	1.50	1.60	1.60	1.70	1.80	1.80	1.90	2.00	2.20	2.30
Overall cable diameter (approx.)		mm	13	14	15	17	19	21	22	24	27	29	32	35	40	44
Cable Net. weight (approx.)	Kg/km	Cu	370	470	590	800	1070	1310	1580	1960	2520	3120	3930	4990	6430	8160
		Al	210	250	300	380	480	570	660	820	1020	1230	1520	1910	2430	3050
Standard length per-reel		m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	500	500	500	500
Minimum bending radius		mm	190	210	240	270	310	340	360	400	450	500	560	620	700	780
Min. DC insulation resistance at 20°C		M.Ohm km	850	740	660	560	490	440	410	370	320	290	260	250	240	230
Max. DC conductor resistance at 20°C	Ohm/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367
Capacitance per-phase		µF/km	0.261	0.99	0.334	0.393	0.453	0.499	0.539	0.606	0.685	0.758	0.851	0.871	0.909	0.947
Inductance per-phase		mH/km	0.345	0.327	0.313	0.300	0.287	0.280	0.274	0.267	0.260	0.253	0.248	0.245	0.243	0.239
			0.529	0.512	0.498	0.485	0.471	0.465	0.459	0.452	0.445	0.438	0.433	0.430	0.428	0.424
Max. short circuit current of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83	115.23
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90	75.96
Max. current carrying capacity at 30°C In Air	A	Cu	162	195	234	292	354	407	461	528	622	730	816	922	1008	1120
		Al	125	151	181	217	275	317	360	413	490	560	652	745	805	895
		Cu	191	231	277	345	418	481	538	613	717	812	902	1007	1089	1210
		Al	147	178	215	268	327	377	425	486	574	653	742	839	871	968
Max. current carrying capacity at 30°C In Ground	A	Cu	151	180	211	258	308	349	390	440	508	570	639	719	781	832
		Al	116	138	164	201	239	272	304	345	400	451	512	575	624	665
		Cu	172	204	239	291	344	388	424	474	541	602	650	775	820	873
		Al	132	157	186	227	270	305	337	378	435	488	538	616	656	698

AC Test voltage	kV/5 min	6.5

MEDIUM-VOLTAGE CABLES

N2XSY / NA2XSY

1.8/3 (3.6) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502-1, SN 60502-2**

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630	800
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30	34.20
Nominal insulation thickness		mm	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.20	2.40	2.60
Insulation diameter (approx.)		mm	10.30	11.30	12.50	14.10	15.90	17.30	18.50	20.50	22.90	25.10	27.90	31.20	35.30	39.60
Nominal jacket thickness		mm	1.40	1.40	1.40	1.50	1.50	1.60	1.60	1.70	1.80	1.80	1.90	2.00	2.20	2.30
Overall cable diameter (approx.)		mm	13	14	15	17	19	21	22	24	27	29	32	35	40	44
Cable Net. weight (approx.)	Kg/km	Cu	370	470	590	800	1070	1310	1580	1960	2520	3120	3930	4990	6430	8160
		Al	210	250	300	380	480	570	660	820	1020	1230	1520	1910	2430	3050
Standard length per-reel		m	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	500	500	500	500
Minimum bending radius		mm	190	210	240	270	310	340	360	400	450	500	560	620	700	780
Min. DC insulation resistance at 20°C		M.Ohm km	850	740	660	560	490	440	410	370	320	290	260	250	240	230
Max. DC conductor resistance at 20°C	Ohm/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283	0.0221
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469	0.0367
Capacitance per-phase		µF/km	0.261	0.99	0.334	0.393	0.453	0.499	0.539	0.606	0.685	0.758	0.851	0.871	0.909	0.947
Inductance per-phase		mH/km	0.345	0.327	0.313	0.300	0.287	0.280	0.274	0.267	0.260	0.253	0.248	0.245	0.243	0.239
			0.529	0.512	0.498	0.485	0.471	0.465	0.459	0.452	0.445	0.438	0.433	0.430	0.428	0.424
Max. short circuit current of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83	115.23
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90	75.96
Max. current carrying capacity at 30°C In Air	A	Cu	162	195	234	292	354	407	461	528	622	730	816	922	1008	1120
		Al	125	151	181	217	275	317	360	413	490	560	652	745	805	895
		Cu	191	231	277	345	418	481	538	613	717	812	902	1007	1089	1210
		Al	147	178	215	268	327	377	425	486	574	653	742	839	871	968
In Ground	A	Cu	151	180	211	258	308	349	390	440	508	570	639	719	781	832
		Al	116	138	164	201	239	272	304	345	400	451	512	575	624	665
		Cu	172	204	239	291	344	388	424	474	541	602	650	775	820	873
		Al	132	157	186	227	270	305	337	378	435	488	538	616	656	698

MEDIUM VOLTAGE POWER CABLE

N2XSY/NA2XSY

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

N2XSY/NA2XSY 1.8/3 (3.6)Kv are normally used for power stations and switchgear as well as stations because of small bending radius in confined spaces indoors. As underground because of light weight where installation conditions are difficult.

The conductors in compacted circular stranded (cm) conductor shape with cross-sectional areas from 25 mm² to 630 mm². Its XLPE insulation and sheath is made of PVC.

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8	3.0	3.2	3.2
Insulation diameter (approx.)		mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9	31.1	34.4	39.3
Nominal Sheath Thickness		mm	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.3	2.4
Overall cable diameter (approx.)		mm	18	20	21	23	24	26	27	29	32	35	36	42	48
Cable Net. Weigth (approx.)		kg/km	Cu 610	730	880	1120	1380	1650	1970	2380	2980	3630	4520	5660	7320
			Al 450	520	580	690	790	910	1050	1230	1460	1740	2120	2580	3320
Max. DC Conductor Resistance at 20°C		kg/km	Cu 0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
			Al 1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C		kg/km	Cu 0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
			Al 1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase		µF/km	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481	0.511	0.540	0.534
Inductance per-phase	⁂	mH/km	0.394	0.374	0.359	0.339	0.325	0.313	0.302	0.295	0.288	0.282	0.276	0.271	0.265
	●●●		0.441	0.420	0.405	0.385	0.371	0.359	0.348	0.341	0.334	0.329	0.323	0.318	0.311
Max. Short Circuit current of of conductor		kA/sec	Cu 3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
			Al 2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen		kA/sec	2.26	2.43	2.63	2.90	2.56	2.75	3.63	3.96	4.39	4.82	5.35	5.90	6.84
Max. Current Carrying Capacity at 30°C			Cu 156	190	227	285	348	43	459	528	627	721	842	974	1118
In Air	⁂	A	Al 120	147	176	222	271	313	355	412	489	563	665	774	914
	●●●		Cu 160	195	233	293	357	414	472	543	644	741	864	999	1146
			Al 123	151	181	228	278	322	365	423	502	579	684	796	939
In Ground	⁂	A	Cu 152	182	214	263	314	358	401	452	523	590	669	755	846
			Al 117	141	166	204	244	278	311	353	409	461	529	603	690
	●●●		Cu 156	187	220	270	322	367	411	463	536	603	684	772	864
			Al 121	145	171	210	251	285	319	362	419	473	542	618	706

N2XSY/NA2XSY

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	34.8	39.7
Nominal Sheath Thickness		mm	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4
Overall cable diameter (approx.)		mm	20	21	23	24	26	28	29	31	34	36	39	42	48
Cable Net. Weigth (approx.)	kg/km	Cu	690	810	960	1170	1470	1740	2080	2480	3080	3670	4590	5690	7280
		Al	530	590	670	750	880	990	1160	1330	1570	1780	2180	2610	3280
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase	µF/km		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420	0.467	0.517	0.514
Inductance per-phase ♣	mH/km		0.415	0.393	0.377	0.355	0.340	0.327	0.318	0.308	0.298	0.290	0.281	0.273	0.267
Inductance per-phase ●●●	mH/km		0.461	0.440	0.423	0.402	0.387	0.373	0.364	0.354	0.344	0.336	0.327	0.320	0.313
Max. Short Circuit current of of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen	kA/sec		2.56	2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air ♣	A	Cu	159	193	231	290	353	407	465	534	632	724	844	975	1119
		Al	123	150	179	225	273	316	360	416	492	565	667	775	915
Max. Current Carrying Capacity at 30°C In Air ●●●	A	Cu	163	198	237	297	362	418	477	548	649	744	867	1001	1148
		Al	126	153	183	231	281	325	369	427	506	581	686	797	940
Max. Current Carrying Capacity at 30°C In Ground ♣	A	Cu	152	182	215	263	314	357	401	453	524	590	670	756	847
		Al	118	141	166	204	244	278	311	353	409	461	530	603	690
Max. Current Carrying Capacity at 30°C In Ground ●●●	A	Cu	156	187	220	270	322	366	410	463	536	603	685	772	865
		Al	121	144	170	209	250	285	318	361	419	472	542	618	706

N2XSY/NA2XSY

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area	mm²		25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)	mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness	mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)	mm		16.1	17.1	18.3	19.9	21.7	23.1	24.3	26.3	28.7	32.9	33.7	36.6	40.3
Nominal Sheath Thickness	mm		1.7	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4	2.4
Overall cable diameter (approx.)	mm		21.5	22.5	23.5	25.0	27.0	28.5	30.0	32.0	34.0	36.5	40.0	43.5	47.0
Cable Net. Weigth (approx.)	kg/km	Cu	678	799	936	1134	1423	1673	1974	2345	2875	3475	4317	5384	6775
		Al	520	584	651	722	853	961	1081	1231	1406	1640	1977	2368	2910
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase	µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	0.372	0.384	0.423
Inductance per-phase (trefoil)	mH/km		0.437	0.415	0.398	0.373	0.358	0.345	0.335	0.325	0.312	0.304	0.294	0.285	0.277
Inductance per-phase (flat)	mH/km		0.484	0.461	0.444	0.419	0.405	0.391	0.381	0.371	0.359	0.350	0.340	0.331	0.324
Max. Short Circuit current of of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen	kA/sec		2.56	2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C — In Air (trefoil)	A	Cu	162	197	235	293	357	412	470	539	637	730	850	982	1127
		Al	125	152	182	228	277	321	364	420	496	569	671	779	919
In Air (flat)	A	Cu	166	202	241	301	366	423	482	553	653	749	872	1007	1155
		Al	128	156	186	234	285	329	373	431	509	584	689	800	943
In Ground (trefoil)	A	Cu	152	182	215	263	314	357	400	452	524	590	670	757	850
		Al	118	141	166	204	244	277	310	352	408	461	530	603	691
In Ground (flat)	A	Cu	156	186	220	269	321	365	410	463	536	603	685	774	868
		Al	120	144	170	209	250	284	318	361	418	472	542	618	707

N2XSY/NA2XSY

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area	mm²		35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)	mm		7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness	mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)	mm		20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9	36.7	39.6	43.3
Nominal Sheath Thickness	mm		1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5
Overall cable diameter (approx.)	mm		26.1	27.3	29.1	30.9	32.5	33.7	35.9	38.3	40.7	44.5	47.4	53.1
Cable Net. Weigth (approx.)	kg/km	Cu	1000	1150	1410	1710	2000	2340	2720	3320	3980	4930	6050	7680
		Al	780	860	990	1120	1250	1420	1570	1810	2090	2510	2960	3680
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase	µF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326	0.358	0.370
Inductance per-phase ⁂	mH/km		0.432	0.413	0.390	0.373	0.360	0.348	0.337	0.325	0.315	0.304	0.294	0.286
●●●			0.478	0.459	0.437	0.419	0.407	0.394	0.384	0.371	0.361	0.350	0.341	0.332
Max. Short Circuit current of of conductor	kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen	kA/sec		2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air ⁂	A	Cu	200	238	297	361	416	474	542	641	735	855	987	1133
		Al	154	184	230	280	324	367	422	499	572	674	782	921
●●●		Cu	204	243	304	369	427	486	556	657	753	876	1011	1160
		Al	158	188	236	287	332	376	433	512	587	692	802	945
In Ground ⁂	A	Cu	182	214	262	314	357	401	452	524	590	672	759	853
		Al	141	166	204	244	277	310	352	406	461	530	604	692
●●●		Cu	186	219	269	321	365	410	462	536	604	686	775	871
		Al	144	170	209	249	284	318	360	418	472	542	618	708

N2XSY/NA2XSY

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area			mm²	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)			mm	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness			mm	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)			mm	26.2	27.9	29.7	31.1	32.3	34.3	36.7	38.9	41.7	44.6	48.3
Nominal Sheath Thickness			mm	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.7
Overall cable diameter (approx.)			mm	31.0	33.0	34.5	36.0	37.5	39.5	42.0	44.0	47.5	51.0	54.5
Cable Net. Weigth (approx.)		Cu	kg/km	1249	1517	1756	2036	2337	2741	3334	3961	4841	5945	7378
		Al		963	1105	1187	1324	1443	1628	1863	2123	2500	2923	3520
Max. DC Conductor Resistance at 20°C		Cu	kg/km	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al		0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C		Cu	kg/km	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al		0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase			µF/km	0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250	0.274	0.288
Inductance per-phase	⁂		mH/km	0.455	0.428	0.406	0.393	0.381	0.368	0.354	0.344	0.329	0.320	0.306
	●●●			0.501	0.474	0.453	0.439	0.427	0.414	0.400	0.390	0.375	0.366	0.352
Max. Short Circuit current of of conductor		Cu	kA/sec	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al		4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen			kA/sec	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air	⁂	Cu	A	243	303	367	423	481	550	649	742	863	995	1143
		Al		188	235	285	328	372	428	504	577	679	787	925
	●●●	Cu		249	310	375	433	492	563	664	760	883	1018	1168
		Al		192	241	292	336	381	438	516	592	695	806	948
In Ground	⁂	Cu	A	214	262	313	356	400	451	524	591	673	762	858
		Al		166	203	243	277	310	351	408	460	530	604	693
	●●●	Cu		219	268	320	364	409	462	535	603	687	777	875
		Al		169	208	249	283	317	360	417	471	542	618	708

N2XSEYBY / NA2XSEYBY

3.6/6 (7.2) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SN 60502-2**

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		5.9	7	8.4	9.9	11.6	13.1	14.6	16.1	18.4	20.5
Nominal insulation thickness		mm		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8
Insulation diameter (approx.)		mm		13.9	15.4	14.70	16.9	18.6	20.1	21.6	23.1	25.6	28.9
Nominal armour thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal sheath thickness		mm		2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.1	3.3
Overall cable diameter (approx.)		mm		39	42	45	49	53	56	59	64	70	76
Cable Net.weight (approx.)		Kg/km	Cu	2800	3200	3800	4700	5800	6800	7900	9400	11700	14100
			Al	2300	2600	2900	3400	4000	4600	5100	5900	7000	8300
Standard length per-reel		m		500	500	500	500	500	500	500	500	350	350
Minimum bending radius		mm		702	756	810	882	954	1008	1062	1152	1260	1368
Min. DC insulation resistance at 20°C		M.Ohm km		900	800	700	600	500	500	500	400	400	400
Max. DC conductor resistance at 20°C		Ohm/ km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Capacitance per-phase		µF/km		0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481
Inductance per-phase		mH/km		0.322	0.308	0.298	0.284	0.273	0.266	0.261	0.254	0.249	0.246
Max. short circuit current of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. short circuit current of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. current carrying capacity at 30°C	In Air	A	Cu	133	172	205	256	312	359	409	468	552	627
			Al	102	132	159	198	239	277	314	360	420	479
	In Ground	A	Cu	132	170	201	245	294	334	375	424	492	552
			Al	101	130	155	190	228	259	291	330	384	412

N2XSEYBY / NA2XSEYBY

6/10 (12) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SNI 60502-2**

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area			mm²	25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)			mm	5.9	7	8.4	9.9	11.6	13.1	14.6	16.1	18.4	20.5
Nominal insulation thickness			mm	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)			mm	15.7	15.8	17.2	18.7	20.4	21.9	23.4	24.9	27.2	29.3
Nominal armour thickness			mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal sheath thickness			mm	2.3	2.4	2.5	2.6	2.8	2.9	3	3.1	3.3	3.4
Overall cable diameter (approx.)			mm	44	46	49	53	57	61	64	68	74	79
Cable Net.weight (approx.)		Cu	Kg/km	3200	3700	4300	5200	6400	7400	8500	10000	12300	14600
		Al		2700	3000	3400	3900	4600	5200	5700	6500	7600	8800
Standard length per-reel			m	500	500	500	500	500	500	500	500	350	350
Minimum bending radius			mm	792	828	882	954	1026	1098	1152	1224	1332	1422
Min. DC insulation resistance at 20°C			M.Ohm km	1.100	1.000	900	800	700	600	600	500	500	400
Max. DC conductor resistance at 20°C		Cu	Ohm/km	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
		Al		1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Capacitance per-phase			µF/km	0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420
Inductance per-phase			mH/km	0.346	0.331	0.319	0.303	0.291	0.283	0.277	0.269	0.260	0.254
Max. short circuit current of conductor		Cu	kA/sec	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
		Al		2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. short circuit current of screen			kA/sec	1.9	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.7	4.06
Max. current carrying capacity at 30°C	In Air	Cu	A	134	173	206	257	313	360	410	469	553	628
		Al		103	133	160	199	240	278	315	361	421	480
	In Ground	Cu	A	133	171	202	246	295	335	376	425	493	553
		Al		102	131	156	191	229	260	292	331	385	413

N2XSEYBY / NA2XSEYBY

8.7/15 (17.5) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SNI 60502-2**

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		5.9	7	8.4	9.9	11.6	13.1	14.6	16.1	18.4	20.5
Nominal insulation thickness		mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm		17.9	18	19.4	20.9	22.6	24.1	25.6	27.1	29.4	31.5
Nominal armour thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal sheath thickness		mm		2.5	2.6	2.7	2.8	2.9	3	3.1	3.3	3.4	3.6
Overall cable diameter (approx.)		mm		49	51	54	58	62	66	69	74	79	86
Cable Net.weight (approx.)		Kg/km	Cu	3800	4300	4900	5900	7100	8100	8200	10900	13100	16400
			Al	3300	3600	4000	4600	5300	5900	6400	7400	8500	10600
Standard length per-reel		m		500	500	500	500	500	500	350	350	350	350
Minimum bending radius		mm		882	918	972	1044	1116	1188	1242	1332	1422	1548
Min. DC insulation resistance at 20°C		M.Ohm km		1300	1200	1100	1000	900	800	700	700	600	600
Max. DC conductor resistance at 20°C		Ohm/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Capacitance per-phase		µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344
Inductance per-phase		mH/km		0.372	0.355	0.341	0.324	0.310	0.301	0.294	0.285	0.275	0.268
Max. short circuit current of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. short circuit current of screen		kA/sec		2.61	2.77	3	3.25	3.44	3.61	3.89	4.23	4.53	4.92
Max. current carrying capacity at 30°C	In Air	A	Cu	134	173	206	257	313	360	410	469	553	628
			Al	103	133	160	199	240	278	315	361	421	480
	In Ground	A	Cu	132	171	202	246	295	335	376	425	493	553
			Al	102	131	156	191	229	260	292	331	385	413

N2XSEYBY / NA2XSEYBY

12/20 (24) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SNI 60502-2**

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		5.9	7	8.4	9.9	11.6	13.1	14.6	16.1	18.4	20.5
Nominal insulation thickness		mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm		19.9	20	21.4	22.9	24.6	26.1	27.6	29.1	31.4	33.5
Nominal armour thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8
Nominal sheath thickness		mm		3.4	3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.6
Overall cable diameter (approx.)		mm		63.61	63.61	66.6	71.09	75.18	78.17	82.8	86.88	91.8	97.37
Cable Net.weight (approx.)		Kg/km	Cu	5491	5746	6561	7562	8732	9915	12329	13712	15786	19456
			Al	4679	4721	5174	5857	6525	7098	8702	9514	10629	11937
Standard length per-reel		m		500	500	500	500	500	400	300	300	250	250
Minimum bending radius		mm		1145	1145	1199	1280	1353	1407	1490	1564	1652	1753
Min. DC insulation resistance at 20°C		M.Ohm km		1400	1400	1300	1100	1000	900	900	800	700	700
Max. DC conductor resistance at 20°C		Ohm/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Capacitance per-phase		μF/km		0.138	0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294
Inductance per-phase		mH/km		0.372	0.377	0.362	0.344	0.328	0.318	0.310	0.300	0.289	0.281
Max. short circuit current of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.51	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. short circuit current of screen		kA/sec		2.81	2.92	3.08	3.31	3.56	3.75	3.92	4.2	4.53	4.84
Max. current carrying capacity at 30°C	In Air	A	Cu	151	173	206	257	313	360	410	469	553	629
			Al	124	139	161	204	242	282	319	365	425	481
	In Ground	A	Cu	150	164	194	236	283	322	362	409	474	533
			Al	117	127	148	179	24	246	272	308	358	398

N2XSEYBY / NA2XSEYBY

18/30 (36) kV

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SN 60502-2**

DIMENSIONAL & ELECTRICAL DATA

3 CORES

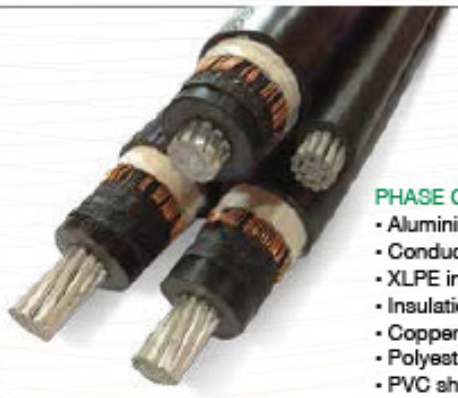
Nominal cross sectional area		mm²		50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		8.4	9.9	11.6	13.1	14.6	16.1	18.4	20.5
Nominal insulation thickness		mm		8	8	8	8	8	8	8	8
Insulation diameter (approx.)		mm		26.4	27.9	29.6	31.1	32.6	34.1	36.4	38.5
Nominal armour thickness		mm		0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8
Nominal sheath thickness		mm		3.2	3.3	3.5	3.6	3.7	3.9	4	4.2
Overall cable diameter (approx.)		mm		72	75	80	84	87	92	96	103
Cable Net.weight (approx.)		Kg/km	Cu	7300	8400	9700	11700	12900	14800	17300	20000
			Al	6400	7100	7900	9400	10100	11300	12600	14100
Standard length per-reel		m		500	500	500	350	350	350	300	300
Minimum bending radius		mm		1296	1350	1440	1512	1566	1655	1764	1854
Min. DC insulation resistance at 20°C		M.Ohm km		1600	1500	1300	1200	1200	1100	1000	900
Max. DC conductor resistance at 20°C		Ohm/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Capacitance per-phase		µF/km		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227
Inductance per-phase		mH/km		0.402	0.381	0.363	0.352	0.343	0.330	0.317	0.308
Max. short circuit current of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.96	28.67
Max. short circuit current of screen		kA/sec		3.77	4	4.25	4.45	4.62	4.9	5.25	5.54
Max. current carrying capacity at 30°C	In Air	A	Cu	207	258	314	361	411	470	554	630
			Al	162	205	246	283	320	365	426	482
	In Ground	A	Cu	203	247	296	336	377	426	493	555
			Al	155	187	224	256	284	322	373	415

NFA2XSY – T
12/20 (24) kV

OVERHEAD TWISTED

(Copper / Aluminium Conductor, XLPE Insulated, Copper Wire / Wire Tape Screened, Polyester Tape, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5, SNI 60502-2**



PHASE CONDUCTOR :
- Aluminium conductor
- Conductor shielding
- XLPE insulation
- Insulation shielding
- Copper tape
- Polyester tape
- PVC sheath

MESSENGER CONDUCTOR :
- Zinc coated round steel wire
- PVC insulation

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area	mm²	3x35+50	3x50+50	3x70+50	3x95+50	3x120+50	3x150+50	3x150+95	3x185+50	3x240+50	3x300+50
Conductor diameter (approx.)	mm	7.00	8.20	9.80	11.50	12.90	14.10	14.10	16.10	18.20	20.60
Nominal insulation thickness	mm	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.50
Insulation diameter (approx.)	mm	19.60	20.80	22.40	24.10	25.50	26.70	26.70	28.70	30.80	33.20
Nominal jacket thickness	mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Overall cable diameter (approx.)	mm	59	61	65	69	73	76	76	80	86	91
Cable Net.weight (approx.)	Kg/km	2870	3090	3500	3920	4310	4830	5140	5270	6050	6840
Standard length per-reel	m	500	500	500	500	350	350	350	350	350	350
Minimum bending radius	mm	470	500	540	580	620	650	650	700	760	820
Min. DC insulation resistance at 20°C	M.Ohm km	1370	1260	1120	1000	920	870	870	790	700	650
Max. DC conductor resistance at 20°C	Ohm/km Al	0.868	0.641	0.443	0.320	0.253	0.206	0.206	0.164	0.125	0.100
Capacitance per-phase	µF/km	0.106	0.116	0.128	0.141	0.152	0.160	0.160	0.175	0.189	0.206
Inductance per-phase	mH/km	0.418	0.400	0.382	0.365	0.354	0.346	0.346	0.333	0.323	0.312
Max. short circuit current of conductor	kA/sec Al	3.45	4.89	6.81	9.19	11.58	14.43	14.43	17.76	22.98	28.67
Max. short circuit current of screen	kA/sec	2.77	2.92	3.14	3.38	3.57	4.00	4.66	3.99	4.31	4.60
Max. current carrying capacity at 30°C In Air	A	142	165	204	247	287	326	326	373	435	481

N2XSYRGbY
3.6/6 (7.2) kV
(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	2.5	1.8	26.6	0.727	8500	148	159
35	7.0	2.5	1.8	27.8	0.524	7600	177	192
50	8.4	2.5	1.9	29.3	0.387	6700	208	231
70	9.9	2.5	1.9	30.9	0.268	5900	254	288
95	11.6	2.5	2.0	33.6	0.193	5200	304	249
120	13.1	2.5	2.1	35.2	0.153	4800	344	402
150	14.6	2.5	2.2	37.2	0.124	4400	384	454
185	16.1	2.5	2.2	38.8	0.0991	4000	433	521
240	18.4	2.5	2.3	41.5	0.0754	3700	501	614
300	20.5	2.5	2.4	45.2	0.0601	3700	562	721
400	24.0	2.5	2.6	49.8	0.047	3400	630	806
500	26.7	2.5	2.7	53.1	0.0366	3300	710	911
630	29.9	2.5	2.8	56.5	0.0283	3000	771	996

N2XSYRGbY
6/10 (12) kV
(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	1.9	28.5	0.727	10700	149	160
35	7.0	3.4	1.9	29.7	0.524	9600	178	193
50	8.4	3.4	2.0	31.2	0.387	8500	209	231
70	9.9	3.4	2.0	33.7	0.268	7600	255	289
95	11.6	3.4	2.1	35.5	0.193	6800	305	350
120	13.1	3.4	2.2	37.5	0.153	6200	345	403
150	14.6	3.4	2.2	39.1	0.124	5700	385	455
185	16.1	3.4	2.3	40.7	0.0991	5300	434	522
240	18.4	3.4	2.3	43.2	0.0754	4700	502	615
300	20.5	3.4	2.5	46.5	0.0601	4300	563	722
400	24.0	3.4	2.6	50.7	0.047	3800	631	807
500	26.7	3.4	2.7	53.5	0.0366	3500	711	912
630	29.9	3.4	2.8	57.0	0.0283	3200	772	997

N2XSYRGbY

8.7/15 (17.5) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	1.9	30.9	0.727	13000	149	160
35	7.0	4.5	2.0	32.1	0.524	11800	179	197
50	8.4	4.5	2.1	34.4	0.387	10500	212	235
70	9.9	4.5	2.1	36.5	0.268	9500	259	293
95	11.6	4.5	2.2	38.3	0.193	8500	309	354
120	13.1	4.5	2.2	39.9	0.153	7800	349	408
150	14.6	4.5	2.3	41.5	0.124	7200	390	461
185	16.1	4.5	2.3	43.1	0.0991	6700	440	427
240	18.4	4.5	2.5	46.6	0.0754	6000	508	621
300	20.5	4.5	2.5	49.3	0.0601	5500	571	708
400	24.0	4.5	2.7	53.0	0.047	4900	640	811
500	26.7	4.5	2.8	55.9	0.0366	4500	713	918
630	29.9	4.5	2.9	59.7	0.0283	4000	774	999

N2XSYRGbY
12/20 (24) kV
(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	2.0	33.9	0.727	14900	149	160
35	7.0	5.5	2.1	35.1	0.524	13500	179	197
50	8.4	5.5	2.1	37.0	0.387	12200	212	235
70	9.9	5.5	2.2	38.6	0.268	11000	259	293
95	11.6	5.5	2.3	40.4	0.193	9900	309	354
120	13.1	5.5	2.3	42.0	0.153	9100	349	408
150	14.6	5.5	2.4	43.6	0.124	8400	390	461
185	16.1	5.5	2.4	46.3	0.0991	7800	440	427
240	18.4	5.5	2.5	49.2	0.0754	7100	508	621
300	20.5	5.5	2.6	51.4	0.0601	6500	571	708
400	24.0	5.5	2.7	55.2	0.047	5800	640	811
500	26.7	5.5	2.8	58.0	0.0366	5300	713	918
630	29.9	5.5	3.0	61.9	0.0283	4800	774	999

N2XSYRGbY
18/30 (36) kV
(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
50	8.4	8.0	2.3	42.3	0.387	15600	215	238
70	9.9	8.0	2.4	43.9	0.268	14200	262	296
95	11.6	8.0	2.5	46.8	0.193	12900	313	358
120	13.1	8.0	2.5	48.9	0.153	12000	354	412
150	14.6	8.0	2.6	50.5	0.124	11100	394	464
185	16.1	8.0	2.6	52.1	0.0991	10400	444	530
240	18.4	8.0	2.7	54.5	0.0754	9500	514	624
300	20.5	8.0	2.8	56.8	0.0601	8800	579	710
400	24.0	8.0	2.9	61.0	0.047	7800	641	815
500	26.7	8.0	3.0	63.8	0.0366	7200	714	920
630	29.9	8.0	3.1	67.2	0.0283	6600	775	1000

NA2XSYRGbY

3.6/6 (7.2) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	2.5	1.8	26.6	1.200	8500	114	123
35	7.0	2.5	1.8	27.8	0.868	7600	135	148
50	8.4	2.5	1.9	29.3	0.641	6700	161	178
70	9.9	2.5	1.9	30.9	0.443	5900	198	214
95	11.6	2.5	2.0	33.6	0.32	5200	235	271
120	13.1	2.5	2.1	35.2	0.253	4800	268	313
150	14.6	2.5	2.2	37.2	0.206	4400	299	354
185	16.1	2.5	2.2	38.8	0.164	4000	339	407
240	18.4	2.5	2.3	41.5	0.125	3700	394	483
300	20.5	2.5	2.4	45.2	0.100	3700	444	552
400	24.0	2.5	2.6	49.8	0.0778	3400	505	643
500	26.7	2.5	2.7	53.1	0.0605	3300	568	735
630	29.9	2.5	2.8	56.5	0.0469	3000	616	795

NA2XSYRGbY

6/10 (12) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	1.9	28.5	1.200	10700	115	124
35	7.0	3.4	1.9	29.7	0.868	9600	136	149
50	8.4	3.4	2.0	31.2	0.641	8500	162	179
70	9.9	3.4	2.0	33.7	0.443	7600	199	215
95	11.6	3.4	2.1	35.5	0.32	6800	236	272
120	13.1	3.4	2.2	37.5	0.253	6200	269	314
150	14.6	3.4	2.2	39.1	0.206	5700	300	355
185	16.1	3.4	2.3	40.7	0.164	5300	340	408
240	18.4	3.4	2.3	43.2	0.125	4700	395	484
300	20.5	3.4	2.5	46.5	0.100	4300	445	553
400	24.0	3.4	2.6	50.7	0.0778	3800	506	644
500	26.7	3.4	2.7	53.5	0.0605	3500	568	736
630	29.9	3.4	2.8	57.0	0.0469	3200	617	796

NA2XSYRGbY

8.7/15 (17.5) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	1.9	30.9	1.200	13000	115	124
35	7.0	4.5	2.0	32.1	0.868	11800	137	153
50	8.4	4.5	2.1	34.4	0.641	10500	164	182
70	9.9	4.5	2.1	36.5	0.443	9500	201	227
95	11.6	4.5	2.2	38.3	0.32	8500	239	275
120	13.1	4.5	2.2	39.9	0.253	7800	273	317
150	14.6	4.5	2.3	41.5	0.206	7200	304	359
185	16.1	4.5	2.3	43.1	0.164	6700	344	411
240	18.4	4.5	2.5	46.6	0.125	6000	400	488
300	20.5	4.5	2.5	49.3	0.100	5500	450	557
400	24.0	4.5	2.7	53.0	0.0778	4900	512	645
500	26.7	4.5	2.8	55.9	0.0605	4500	570	738
630	29.9	4.5	2.9	59.7	0.0469	4000	619	798

NA2XSYRGbY

12/20 (24) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	2.0	33.9	1.200	14900	115	124
35	7.0	5.5	2.1	35.1	0.868	13500	137	153
50	8.4	5.5	2.1	37.0	0.641	12200	164	182
70	9.9	5.5	2.2	38.6	0.443	11000	201	227
95	11.6	5.5	2.3	40.4	0.32	9900	239	275
120	13.1	5.5	2.3	42.0	0.253	9100	273	317
150	14.6	5.5	2.4	43.6	0.206	8400	304	359
185	16.1	5.5	2.4	46.3	0.164	7800	344	411
240	18.4	5.5	2.5	49.2	0.125	7100	400	488
300	20.5	5.5	2.6	51.4	0.100	6500	450	557
400	24.0	5.5	2.7	55.2	0.0778	5800	512	645
500	26.7	5.5	2.8	58.0	0.0605	5300	570	738
630	29.9	5.5	3.0	61.9	0.0469	4800	619	798

NA2XSYRGbY

18/30 (36) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE								
DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
50	8.4	8.0	2.3	42.3	0.641	15600	166	185
70	9.9	8.0	2.4	43.9	0.443	14200	203	230
95	11.6	8.0	2.5	46.8	0.32	12900	243	278
120	13.1	8.0	2.5	48.9	0.253	12000	275	320
150	14.6	8.0	2.6	50.5	0.206	11100	308	361
185	16.1	8.0	2.6	52.1	0.164	10400	347	414
240	18.4	8.0	2.7	54.5	0.125	9500	405	489
300	20.5	8.0	2.8	56.8	0.100	8800	455	558
400	24.0	8.0	2.9	61.0	0.0778	7800	513	647
500	26.7	8.0	3.0	63.8	0.0605	7200	571	739
630	29.9	8.0	3.1	67.2	0.0469	6600	620	799

N2XSEYFGbY

6/10 (12) kV

(Copper Conductor, XLPE Insulated,
Copper Wire / Tape Screening, Zinc-coated
flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	3.1	53.6	0.727	14500	133	134
35	7	3.4	3.1	53.8	0.524	11900	171	173
50	8.5	3.4	3.2	57.2	0.387	10500	202	206
70	9.9	3.4	3.4	61.1	0.268	9200	246	257
95	11.6	3.4	3.5	65.1	0.193	8200	295	313
120	13.1	3.4	3.6	68.6	0.153	7400	335	360
150	14.6	3.4	3.7	72.2	0.124	6800	376	410
185	16.1	3.4	3.8	75.9	0.0991	6300	425	469
240	18.4	3.4	4.0	82.0	0.0754	5600	493	553
300	20.5	3.4	4.2	87.2	0.0601	5100	553	628

N2XSEYFGbY

8.7/15 (17.5) kV

(Copper Conductor, XLPE Insulated,
Copper Wire / Tape Screening, Zinc-coated
flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	3.2	58.7	0.727	16700	132	134
35	7	4.5	3.3	59.4	0.524	14100	171	173
50	8.5	4.5	3.4	62.6	0.387	12500	202	206
70	9.9	4.5	3.5	66.2	0.268	11100	246	257
95	11.6	4.5	3.7	70.3	0.193	9900	295	313
120	13.1	4.5	3.8	73.9	0.153	9000	335	360
150	14.6	4.5	3.9	77.6	0.124	8300	376	410
185	16.1	4.5	4.0	81.8	0.0991	7700	425	469
240	18.4	4.5	4.2	87.4	0.0754	6900	492	553
300	20.5	4.5	4.4	92.5	0.0601	6300	554	628

N2XSEYFGbY

12/20 (24) kV

(Copper Conductor, XLPE Insulated, Copper Wire / Tape Screening, Zinc-coated flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	3.4	63.5	0.727	18500	152	153
35	7	5.5	3.5	64.0	0.524	15900	171	173
50	8.5	5.5	3.6	67.5	0.387	14100	202	206
70	9.9	5.5	3.7	71.1	0.268	12600	246	257
95	11.6	5.5	3.8	75.0	0.193	11300	295	313
120	13.1	5.5	3.9	78.6	0.153	10300	335	360
150	14.6	5.5	4.1	83.1	0.124	9500	376	410
185	16.1	5.5	4.2	86.5	0.0991	8900	425	469
240	18.4	5.5	4.4	92.1	0.0754	8000	492	553
300	20.5	5.5	4.5	97.3	0.0601	7300	554	629

NA2XSEYFGbY

6/10 (12) kV

(Aluminium Conductor, XLPE Insulated, Copper Wire / Tape Screening, Zinc-coated flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	3.1	53.6	1.200	14500	102	103
35	7	3.4	3.1	53.8	0.868	11900	131	133
50	8.5	3.4	3.2	57.2	0.641	10500	156	160
70	9.9	3.4	3.4	61.1	0.443	9200	191	199
95	11.6	3.4	3.5	65.1	0.320	8200	229	240
120	13.1	3.4	3.6	68.6	0.253	7400	260	278
150	14.6	3.4	3.7	72.2	0.206	6800	292	315
185	16.1	3.4	3.8	75.9	0.164	6300	331	361
240	18.4	3.4	4.0	82.0	0.125	5600	385	421
300	20.5	3.4	4.2	87.2	0.100	5100	413	480

NA2XSEYFGbY

8.7/15 (17.5) kV

(Aluminium Conductor, XLPE Insulated, Copper Wire / Tape Screening, Zinc-coated flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	3.2	58.7	1.200	16700	102	103
35	7	4.5	3.3	59.4	0.868	14100	132	133
50	8.5	4.5	3.4	62.6	0.641	12500	154	160
70	9.9	4.5	3.5	66.2	0.443	11100	186	199
95	11.6	4.5	3.7	70.3	0.320	9900	223	240
120	13.1	4.5	3.8	73.9	0.253	9000	255	278
150	14.6	4.5	3.9	77.6	0.206	8300	283	315
185	16.1	4.5	4.0	81.8	0.164	7700	321	361
240	18.4	4.5	4.2	87.4	0.125	6900	372	421
300	20.5	4.5	4.4	92.5	0.100	6300	414	480

NA2XSEYFGbY

12/20 (24) kV

(Aluminium Conductor, XLPE Insulated, Copper Wire / Tape Screening, Zinc-coated flat steel wire armoured, PVC Sheathed Cable)

SPECIFICATION : **IEC 60502, SPLN 43-5**

3 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	3.4	63.5	1.200	18500	118	125
35	7	5.5	3.5	64.0	0.868	15900	132	139
50	8.5	5.5	3.6	67.5	0.641	14100	154	161
70	9.9	5.5	3.7	71.1	0.443	12600	191	204
95	11.6	5.5	3.8	75.0	0.320	11300	228	242
120	13.1	5.5	3.9	78.6	0.253	10300	260	282
150	14.6	5.5	4.1	83.1	0.206	9500	292	319
185	16.1	5.5	4.2	86.5	0.164	8900	331	365
240	18.4	5.5	4.4	92.1	0.125	8000	358	425
300	20.5	5.5	4.5	97.3	0.100	7300	437	481

N2XSYRGbY

3.6/6 (7.2) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	2.5	1.8	26.6	0.727	8500	148	159
35	7.0	2.5	1.8	27.8	0.524	7600	177	192
50	8.4	2.5	1.9	29.3	0.387	6700	208	231
70	9.9	2.5	1.9	30.9	0.268	5900	254	288
95	11.6	2.5	2.0	33.6	0.193	5200	304	249
120	13.1	2.5	2.1	35.2	0.153	4800	344	402
150	14.6	2.5	2.2	37.2	0.124	4400	384	454
185	16.1	2.5	2.2	38.8	0.0991	4000	433	521
240	18.4	2.5	2.3	41.5	0.0754	3700	501	614
300	20.5	2.5	2.4	45.2	0.0601	3700	562	721
400	24.0	2.5	2.6	49.8	0.047	3400	630	806
500	26.7	2.5	2.7	53.1	0.0366	3300	710	911
630	29.9	2.5	2.8	56.5	0.0283	3000	771	996

N2XSYRGbY

6/10 (12) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	1.9	28.5	0.727	10700	149	160
35	7.0	3.4	1.9	29.7	0.524	9600	178	193
50	8.4	3.4	2.0	31.2	0.387	8500	209	231
70	9.9	3.4	2.0	33.7	0.268	7600	255	289
95	11.6	3.4	2.1	35.5	0.193	6800	305	350
120	13.1	3.4	2.2	37.5	0.153	6200	345	403
150	14.6	3.4	2.2	39.1	0.124	5700	385	455
185	16.1	3.4	2.3	40.7	0.0991	5300	434	522
240	18.4	3.4	2.3	43.2	0.0754	4700	502	615
300	20.5	3.4	2.5	46.5	0.0601	4300	563	722
400	24.0	3.4	2.6	50.7	0.047	3800	631	807
500	26.7	3.4	2.7	53.5	0.0366	3500	711	912
630	29.9	3.4	2.8	57.0	0.0283	3200	772	997

N2XSYRGbY

8.7/15 (17.5) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	1.9	30.9	0.727	13000	149	160
35	7.0	4.5	2.0	32.1	0.524	11800	179	197
50	8.4	4.5	2.1	34.4	0.387	10500	212	235
70	9.9	4.5	2.1	36.5	0.268	9500	259	293
95	11.6	4.5	2.2	38.3	0.193	8500	309	354
120	13.1	4.5	2.2	39.9	0.153	7800	349	408
150	14.6	4.5	2.3	41.5	0.124	7200	390	461
185	16.1	4.5	2.3	43.1	0.0991	6700	440	427
240	18.4	4.5	2.5	46.6	0.0754	6000	508	621
300	20.5	4.5	2.5	49.3	0.0601	5500	571	708
400	24.0	4.5	2.7	53.0	0.047	4900	640	811
500	26.7	4.5	2.8	55.9	0.0366	4500	713	918
630	29.9	4.5	2.9	59.7	0.0283	4000	774	999

N2XSYRGbY

12/20 (24) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	2.0	33.9	0.727	14900	149	160
35	7.0	5.5	2.1	35.1	0.524	13500	179	197
50	8.4	5.5	2.1	37.0	0.387	12200	212	235
70	9.9	5.5	2.2	38.6	0.268	11000	259	293
95	11.6	5.5	2.3	40.4	0.193	9900	309	354
120	13.1	5.5	2.3	42.0	0.153	9100	349	408
150	14.6	5.5	2.4	43.6	0.124	8400	390	461
185	16.1	5.5	2.4	46.3	0.0991	7800	440	427
240	18.4	5.5	2.5	49.2	0.0754	7100	508	621
300	20.5	5.5	2.6	51.4	0.0601	6500	571	708
400	24.0	5.5	2.7	55.2	0.047	5800	640	811
500	26.7	5.5	2.8	58.0	0.0366	5300	713	918
630	29.9	5.5	3.0	61.9	0.0283	4800	774	999

N2XSYRGbY

18/30 (36) kV

(Copper Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
50	8.4	8.0	2.3	42.3	0.387	15600	215	238
70	9.9	8.0	2.4	43.9	0.268	14200	262	296
95	11.6	8.0	2.5	46.8	0.193	12900	313	358
120	13.1	8.0	2.5	48.9	0.153	12000	354	412
150	14.6	8.0	2.6	50.5	0.124	11100	394	464
185	16.1	8.0	2.6	52.1	0.0991	10400	444	530
240	18.4	8.0	2.7	54.5	0.0754	9500	514	624
300	20.5	8.0	2.8	56.8	0.0601	8800	579	710
400	24.0	8.0	2.9	61.0	0.047	7800	641	815
500	26.7	8.0	3.0	63.8	0.0366	7200	714	920
630	29.9	8.0	3.1	67.2	0.0283	6600	775	1000

NA2XSYRGBY

6/10 (12) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	3.4	1.9	28.5	1.200	10700	115	124
35	7.0	3.4	1.9	29.7	0.868	9600	136	149
50	8.4	3.4	2.0	31.2	0.641	8500	162	179
70	9.9	3.4	2.0	33.7	0.443	7600	199	215
95	11.6	3.4	2.1	35.5	0.32	6800	236	272
120	13.1	3.4	2.2	37.5	0.253	6200	269	314
150	14.6	3.4	2.2	39.1	0.206	5700	300	355
185	16.1	3.4	2.3	40.7	0.164	5300	340	408
240	18.4	3.4	2.3	43.2	0.125	4700	395	484
300	20.5	3.4	2.5	46.5	0.100	4300	445	553
400	24.0	3.4	2.6	50.7	0.0778	3800	506	644
500	26.7	3.4	2.7	53.5	0.0605	3500	568	736
630	29.9	3.4	2.8	57.0	0.0469	3200	617	796

NA2XSYRGBY

8.7/15 (17.5) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	4.5	1.9	30.9	1.200	13000	115	124
35	7.0	4.5	2.0	32.1	0.868	11800	137	153
50	8.4	4.5	2.1	34.4	0.641	10500	164	182
70	9.9	4.5	2.1	36.5	0.443	9500	201	227
95	11.6	4.5	2.2	38.3	0.32	8500	239	275
120	13.1	4.5	2.2	39.9	0.253	7800	273	317
150	14.6	4.5	2.3	41.5	0.206	7200	304	359
185	16.1	4.5	2.3	43.1	0.164	6700	344	411
240	18.4	4.5	2.5	46.6	0.125	6000	400	488
300	20.5	4.5	2.5	49.3	0.100	5500	450	557
400	24.0	4.5	2.7	53.0	0.0778	4900	512	645
500	26.7	4.5	2.8	55.9	0.0605	4500	570	738
630	29.9	4.5	2.9	59.7	0.0469	4000	619	798

NA2XSYRGbY

3.6/6 (7.2) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	2.5	1.8	26.6	1.200	8500	114	123
35	7.0	2.5	1.8	27.8	0.868	7600	135	148
50	8.4	2.5	1.9	29.3	0.641	6700	161	178
70	9.9	2.5	1.9	30.9	0.443	5900	198	214
95	11.6	2.5	2.0	33.6	0.32	5200	235	271
120	13.1	2.5	2.1	35.2	0.253	4800	268	313
150	14.6	2.5	2.2	37.2	0.206	4400	299	354
185	16.1	2.5	2.2	38.8	0.164	4000	339	407
240	18.4	2.5	2.3	41.5	0.125	3700	394	483
300	20.5	2.5	2.4	45.2	0.100	3700	444	552
400	24.0	2.5	2.6	49.8	0.0778	3400	505	643
500	26.7	2.5	2.7	53.1	0.0605	3300	568	735
630	29.9	2.5	2.8	56.5	0.0469	3000	616	795

NA2XSYRGBY

12/20 (24) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm²	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
25	5.9	5.5	2.0	33.9	1.200	14900	115	124
35	7.0	5.5	2.1	35.1	0.868	13500	137	153
50	8.4	5.5	2.1	37.0	0.641	12200	164	182
70	9.9	5.5	2.2	38.6	0.443	11000	201	227
95	11.6	5.5	2.3	40.4	0.32	9900	239	275
120	13.1	5.5	2.3	42.0	0.253	9100	273	317
150	14.6	5.5	2.4	43.6	0.206	8400	304	359
185	16.1	5.5	2.4	46.3	0.164	7800	344	411
240	18.4	5.5	2.5	49.2	0.125	7100	400	488
300	20.5	5.5	2.6	51.4	0.100	6500	450	557
400	24.0	5.5	2.7	55.2	0.0778	5800	512	645
500	26.7	5.5	2.8	58.0	0.0605	5300	570	738
630	29.9	5.5	3.0	61.9	0.0469	4800	619	798

NA2XSYRGBY

18/30 (36) kV

(Aluminium Conductor, XLPE Insulated, AWA, PVC Sheathed)

SPECIFICATION : **IEC 60502**

1 CORE

DIMENSION & MECHANICAL DATA					ELECTRICAL DATA			
Size	Conductor Diameter	Nominal Thickness		Approximate	DC. Resistance at 20°C		Current Carrying Capacity at 30°C	
		Insulation	Outer Sheath	Overall Diameter	Conductor (Max.)	Insulation (Min.)	in Ground	in Air
mm^2	mm	mm	mm	mm	ohm / km	M.ohm.km	A	A
50	8.4	8.0	2.3	42.3	0.641	15600	166	185
70	9.9	8.0	2.4	43.9	0.443	14200	203	230
95	11.6	8.0	2.5	46.8	0.32	12900	243	278
120	13.1	8.0	2.5	48.9	0.253	12000	275	320
150	14.6	8.0	2.6	50.5	0.206	11100	308	361
185	16.1	8.0	2.6	52.1	0.164	10400	347	414
240	18.4	8.0	2.7	54.5	0.125	9500	405	489
300	20.5	8.0	2.8	56.8	0.100	8800	455	558
400	24.0	8.0	2.9	61.0	0.0778	7800	513	647
500	26.7	8.0	3.0	63.8	0.0605	7200	571	739
630	29.9	8.0	3.1	67.2	0.0469	6600	620	799

N2XSR(AI)Y/NA2XSR(AI)Y

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Aluminium Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8	3.0	3.2	3.2
Insulation diameter (approx.)		mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9	31.1	34.4	39.3
Nominal Sheath Thickness		mm	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.3	2.4
Overall cable diameter (approx.)		mm	23.0	24.0	25.0	27.0	28.5	30.0	31.5	33.5	37.5	40.0	44.0	49.5	53.0
Cable Net. Weigth (approx.)	kg/km	Cu	610	730	880	1120	1380	1650	1970	2380	2980	3630	4520	5660	7320
		Al	450	520	580	690	790	910	1050	1230	1460	1740	2120	2580	3320
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase		µF/km	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481	0.511	0.540	0.534
Inductance per-phase	mH/km		0.394	0.374	0.359	0.339	0.325	0.313	0.302	0.295	0.288	0.282	0.276	0.271	0.265
			0.441	0.420	0.405	0.385	0.371	0.359	0.348	0.341	0.334	0.329	0.323	0.318	0.311
Max. Short Circuit current of of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen		kA/sec	2.26	2.43	2.63	2.90	2.56	2.75	3.63	3.96	4.39	4.82	5.35	5.90	6.84
Max. Current Carrying Capacity at 30°C In Air	A	Cu	156	190	227	285	348	43	459	528	627	721	842	974	1118
		Al	120	147	176	222	271	313	355	412	489	563	665	774	914
		Cu	160	195	233	293	357	414	472	543	644	741	864	999	1146
		Al	123	151	181	228	278	322	365	423	502	579	684	796	939
In Ground	A	Cu	152	182	214	263	314	358	401	452	523	590	669	755	846
		Al	117	141	166	204	244	278	311	353	409	461	529	603	690
		Cu	156	187	220	270	322	367	411	463	536	603	684	772	864
		Al	121	145	171	210	251	285	319	362	419	473	542	618	706

N2XSR(AI)Y/NA2XSR(AI)Y

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Aluminium Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm	14.3	15.3	16.5	18.1	19.9	21.3	22.5	24.5	26.9	29.1	31.9	34.8	39.7
Nominal Sheath Thickness		mm	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4
Overall cable diameter (approx.)		mm	25.0	26.0	27.0	29.0	30.5	32.0	34.5	36.5	39.0	41.5	45.0	50.0	53.5
Cable Net. Weigth (approx.)	kg/km	Cu	690	810	960	1170	1470	1740	2080	2480	3080	3670	4590	5690	7280
		Al	530	590	670	750	880	990	1160	1330	1570	1780	2180	2610	3280
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase		µF/km	0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420	0.467	0.517	0.514
Inductance per-phase		mH/km	0.415	0.393	0.377	0.355	0.340	0.327	0.318	0.308	0.298	0.290	0.281	0.273	0.267
			0.461	0.440	0.423	0.402	0.387	0.373	0.364	0.354	0.344	0.336	0.327	0.320	0.313
Max. Short Circuit current of of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen		kA/sec	2.56	2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air	A	Cu	159	193	231	290	353	407	465	534	632	724	844	975	1119
		Al	123	150	179	225	273	316	360	416	492	565	667	775	915
		Cu	163	198	237	297	362	418	477	548	649	744	867	1001	1148
		Al	126	153	183	231	281	325	369	427	506	581	686	797	940
Max. Current Carrying Capacity at 30°C In Ground	A	Cu	152	182	215	263	314	357	401	453	524	590	670	756	847
		Al	118	141	166	204	244	278	311	353	409	461	530	603	690
		Cu	156	187	220	270	322	366	410	463	536	603	685	772	865
		Al	121	144	170	209	250	285	318	361	419	472	542	618	706

N2XSR(AI)Y/NA2XSR(AI)Y

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, , Aluminium Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm	16.1	17.1	18.3	19.9	21.7	23.1	24.3	26.3	28.7	32.9	33.7	36.6	40.3
Nominal Sheath Thickness		mm	1.7	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	2.2	2.3	2.4	2.4
Overall cable diameter (approx.)		mm	27.0	28.5	29.5	31.0	32.5	35.5	37.5	39.0	41.5	43.5	49.0	52.5	56.0
Cable Net. Weigth (approx.)	kg/km	Cu	678	799	936	1134	1423	1673	1974	2345	2875	3475	4317	5384	6775
		Al	520	584	651	722	853	961	1081	1231	1406	1640	1977	2368	2910
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase		µF/km	0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344	0.372	0.384	0.423
Inductance per-phase		mH/km	0.437	0.415	0.398	0.373	0.358	0.345	0.335	0.325	0.312	0.304	0.294	0.285	0.277
			0.484	0.461	0.444	0.419	0.405	0.391	0.381	0.371	0.359	0.350	0.340	0.331	0.324
Max. Short Circuit current of of conductor	kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen		kA/sec	2.56	2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air	A	Cu	162	197	235	293	357	412	470	539	637	730	850	982	1127
		Al	125	152	182	228	277	321	364	420	496	569	671	779	919
		Cu	166	202	241	301	366	423	482	553	653	749	872	1007	1155
		Al	128	156	186	234	285	329	373	431	509	584	689	800	943
Max. Current Carrying Capacity at 30°C In Ground	A	Cu	152	182	215	263	314	357	400	452	524	590	670	757	850
		Al	118	141	166	204	244	277	310	352	408	461	530	603	691
		Cu	156	186	220	269	321	365	410	463	536	603	685	774	868
		Al	120	144	170	209	250	284	318	361	418	472	542	618	707

N2XSR(AI)Y/NA2XSR(AI)Y

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, , Aluminium Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	35	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm	20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9	36.7	39.6	43.3
Nominal Sheath Thickness		mm	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.1	2.2	2.3	2.4	2.5
Overall cable diameter (approx.)		mm	30.5	31.5	33.5	36.0	38.0	39.5	41.0	43.5	47.0	51.0	54.5	58.5
Cable Net. Weigth (approx.)	kg/km	Cu	1000	1150	1410	1710	2000	2340	2720	3320	3980	4930	6050	7680
		Al	780	860	990	1120	1250	1420	1570	1810	2090	2510	2960	3680
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase	μF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294	0.326	0.358	0.370
Inductance per-phase	mH/km		0.432	0.413	0.390	0.373	0.360	0.348	0.337	0.325	0.315	0.304	0.294	0.286
			0.478	0.459	0.437	0.419	0.407	0.394	0.384	0.371	0.361	0.350	0.341	0.332
Max. Short Circuit current of of conductor	kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
		Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen	kA/sec		2.73	2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C In Air	A	Cu	200	238	297	361	416	474	542	641	735	855	987	1133
		Al	154	184	230	280	324	367	422	499	572	674	782	921
		Cu	204	243	304	369	427	486	556	657	753	876	1011	1160
		Al	158	188	236	287	332	376	433	512	587	692	802	945
Max. Current Carrying Capacity at 30°C In Ground	A	Cu	182	214	262	314	357	401	452	524	590	672	759	853
		Al	141	166	204	244	277	310	352	406	461	530	604	692
		Cu	186	219	269	321	365	410	462	536	604	686	775	871
		Al	144	170	209	249	284	318	360	418	472	542	618	708

N2XSR(AI)Y/NA2XSR(AI)Y

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Aluminium Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

1 CORE

Nominal cross sectional area		mm²	50	70	95	120	150	185	240	300	400	500	630
Conductor diameter (approx.)		mm	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90	23.70	26.60	30.30
Nominal Insulation Thickness		mm	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)		mm	26.2	27.9	29.7	31.1	32.3	34.3	36.7	38.9	41.7	44.6	48.3
Nominal Sheath Thickness		mm	2.0	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.5	2.6	2.7
Overall cable diameter (approx.)		mm	38.5	40.0	41.5	43.0	45.0	48.5	51.0	53.0	56.5	60.0	64.0
Cable Net. Weigth (approx.)	kg/km	Cu	1249	1517	1756	2036	2337	2741	3334	3961	4841	5945	7378
		Al	963	1105	1187	1324	1443	1628	1863	2123	2500	2923	3520
Max. DC Conductor Resistance at 20°C	kg/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601	0.0470	0.0366	0.0283
		Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100	0.0778	0.0605	0.0469
Max. AC Conductor Resistance at 20°C	kg/km	Cu	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079	0.064	0.051	0.042
		Al	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130	0.102	0.081	0.064
Capacitance per-phase		µF/km	0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227	0.250	0.274	0.288
Inductance per-phase	♣	mH/km	0.455	0.428	0.406	0.393	0.381	0.368	0.354	0.344	0.329	0.320	0.306
	●●●		0.501	0.474	0.453	0.439	0.427	0.414	0.400	0.390	0.375	0.366	0.352
Max. Short Circuit current of of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41	57.79	72.16	90.83
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67	38.14	47.60	59.90
Max. Short Circuit current of of screen		kA/sec		2.92	2.56	2.80	2.98	3.93	4.26	4.66	4.02	5.48	5.96	5.53
Max. Current Carrying Capacity at 30°C	In Air ♣	A	Cu	243	303	367	423	481	550	649	742	863	995	1143
			Al	188	235	285	328	372	428	504	577	679	787	925
	In Air ●●●		Cu	249	310	375	433	492	563	664	760	883	1018	1168
			Al	192	241	292	336	381	438	516	592	695	806	948
	In Ground ♣		Cu	214	262	313	356	400	451	524	591	673	762	858
			Al	166	203	243	277	310	351	408	460	530	604	693
	In Ground ●●●		Cu	219	268	320	364	409	462	535	603	687	777	875
			Al	169	208	249	283	317	360	417	471	542	618	708

N2XSEY/NA2XSEY

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

N2XSEY/NA2XSEY are normally used for power stations, industry and switchgear, Indoors, cable trunking, outdoors and in ground.

The conductors in compacted circular stranded (cm) conductor shape with cross-sectional are 25 mm² to 300 mm². Its XLPE insulation and sheath is made of PVC.

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8
Insulation diameter (approx.)		mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9
Nominal Sheath Thickness		mm	2.1	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.3
Overall cable diameter (approx.)		mm	37	39	42	46	50	53	56	60	66	72
Cable Net. Weigth (approx.)		kg/km Cu	1868	2275	2278	3577	4517	5422	6406	7662	9664	11852
		kg/km Al	1380	1620	1908	2322	2781	3252	3673	4268	5172	6226
Max. DC Conductor Resistance at 20°C		kg/km Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
		kg/km Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
		kg/km Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481
Inductance per-phase		mH/km	0.346	0.326	0.314	0.296	0.284	0.276	0.269	0.262	0.256	0.253
Max. Short Circuit current of of conductor		kA/sec Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
		kA/sec Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec	1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A Cu	149	181	215	268	325	374	425	486	570	648
	In Air	A Al	115	140	166	208	253	291	329	379	446	508
	In Ground	A Cu	145	173	204	249	297	337	378	426	492	551
	In Ground	A Al	112	134	158	193	231	262	293	333	385	433

N2XSEY/NA2XSEY

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA												
3 CORES												
Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm		14.9	15.9	17.1	18.7	20.5	21.9	33.1	35.1	37.5	29.7
Nominal Sheath Thickness		mm		2.2	2.3	2.4	2.5	2.7	2.8	2.9	3.0	3.2	3.4
Overall cable diameter (approx.)		mm		41.0	44.0	46.5	50.5	55.0	58.5	62.0	66.0	71.5	76.5
Cable Net. Weigth (approx.)		kg/km	Cu	2153	2618	3101	3927	4957	5841	6858	8132	10156	12205
			Al	1663	1962	2224	2672	3230	3671	4122	4738	5661	6586
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420
Inductance per-phase		mH/km		0.372	0.350	0.336	0.316	0.303	0.293	0.285	0.277	0.268	0.261
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	152	183	218	272	328	377	428	488	572	651
			Al	117	142	169	211	255	294	332	381	447	510
	In Ground		Cu	145	173	204	249	297	337	378	426	491	551
			Al	112	134	158	194	230	262	293	332	384	433

N2XSEY/NA2XSEY

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm		17.1	18.1	19.3	20.9	22.7	24.1	25.3	27.3	29.7	31.9
Nominal Sheath Thickness		mm		2.4	2.5	2.6	2.7	2.9	3.0	3.1	3.2	3.4	3.6
Overall cable diameter (approx.)		mm		47	49.5	52.0	56.5	60.0	63.5	67.0	71.5	77.0	82.0
Cable Net. Weigth (approx.)		kg/km	Cu	2592	3048	3546	4463	5452	6364	7401	8778	10820	12912
			Al	2097	2384	2673	3207	3719	4194	4662	5384	6321	7277
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344
Inductance per-phase		mH/km		0.400	0.376	0.361	0.338	0.323	0.312	0.304	0.294	0.284	0.276
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	154	186	221	275	332	381	432	491	576	654
			Al	119	144	171	213	258	297	335	383	449	512
	In Ground		Cu	145	173	204	249	297	337	378	425	491	551
			Al	112	134	158	193	231	262	293	332	384	432

N2XSEY/NA2XSEY

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA											
3 CORES											
Nominal cross sectional area		mm²		35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm		20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9
Nominal Sheath Thickness		mm		2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6	3.7
Overall cable diameter (approx.)		mm		54.5	57.0	61.0	65.0	68.5	72.5	76.5	82.0	86.5
Cable Net. Weigth (approx.)		kg/km	Cu	3501	4026	4917	5960	6909	8039	9374	11458	13563
			Al	2842	3144	3661	4238	4739	5296	5980	6956	7922
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294
Inductance per-phase		mH/km		0.397	0.380	0.357	0.340	0.328	0.319	0.308	0.297	0.289
Max. Short Circuit current of of conductor		kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	188	223	277	334	384	433	494	578	657
			Al	145	173	215	260	298	336	385	451	514
	In Ground		Cu	173	203	249	297	337	377	425	491	552
			Al	134	158	193	230	262	292	332	384	432

N2XSEY/NA2XSEY

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

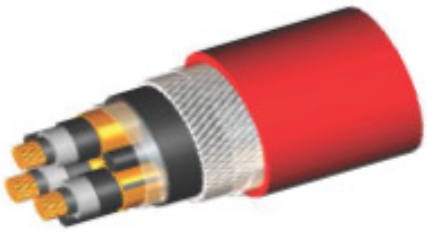
DIMENSIONAL & ELECTRICAL DATA										
3 CORES										
Nominal cross sectional area		mm²		50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)		mm		26.3	27.9	29.7	31.1	32.3	34.3	36.7	38.9
Nominal Sheath Thickness		mm		3.2	3.3	3.4	3.6	3.7	3.8	4.0	4.2
Overall cable diameter (approx.)		mm		69.0	73.5	77.0	81.0	84.5	88.5	93.5	99.0
Cable Net. Weigth (approx.)		kg/km	Cu	5294	6326	7410	8466	9600	11005	13151	15481
			Al	4407	5071	5693	6296	6848	7611	8641	9826
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227
Inductance per-phase		mH/km		0.423	0.396	0.377	0.364	0.353	0.340	0.327	0.317
Max. Short Circuit current of of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	227	280	338	387	438	498	583	660
			Al	175	217	263	301	339	388	454	515
	In Ground		Cu	203	248	296	336	377	425	491	552
			Al	157	192	230	261	292	331	384	431

N2XSERY/NA2XSERY

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2



DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8
Insulation diameter (approx.)		mm		12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9
Nominal Sheath Thickness		mm		2.2	2.3	2.4	2.5	2.6	2.7	.8	2.9	3.1	3.3
Overall cable diameter (approx.)		mm		41.0	43.5	48.0	52.0	55.5	59.5	63.0	67.0	73.0	81.0
Cable Net. Weigth (approx.)		kg/km	Cu	2417	2865	3391	4272	5266	6232	7271	8585	10679	12965
			Al	1922	2206	2517	3016	3534	4062	4531	5191	6180	7327
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481
Inductance per-phase		mH/km		0.346	0.326	0.314	0.296	0.284	0.276	0.269	0.262	0.256	0.253
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	149	181	215	268	325	374	425	486	570	648
			Al	115	140	166	208	253	291	329	379	446	508
	In Ground		Cu	145	173	204	249	297	337	378	426	492	551
			Al	112	134	158	193	231	262	293	333	385	433

N2XSERY/NA2XSERY

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

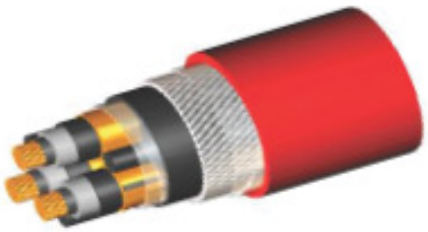
Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm		14.9	15.9	17.1	18.7	20.5	21.9	33.1	35.1	37.5	29.7
Nominal Sheath Thickness		mm		2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4
Overall cable diameter (approx.)		mm		46.5	50.0	52.5	56.5	60.5	64.0	67.5	71.0	78.5	83.5
Cable Net. Weigth (approx.)		kg/km	Cu	2767	3279	3799	4687	5753	6690	7761	9091	11235	13326
			Al	2270	2619	2918	3431	4030	4520	5018	5697	6733	7697
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420
Inductance per-phase		mH/km		0.372	0.350	0.336	0.316	0.303	0.293	0.285	0.277	0.268	0.261
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	152	183	218	272	328	377	428	488	572	651
			Al	117	142	169	211	255	294	332	381	447	510
	In Ground		Cu	145	173	204	249	297	337	378	426	491	551
			Al	112	134	158	194	230	262	293	332	384	433

EXTRANA® CABLE
Quality Cables, Quality Living

N2XSERY/NA2XSERY

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Wire Armor, PVC Sheathed)



SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm		17.1	18.1	19.3	20.9	22.7	24.1	25.3	27.3	29.7	31.9
Nominal Sheath Thickness		mm		2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6
Overall cable diameter (approx.)		mm		52.5	55.0	57.5	62.0	65.5	69.0	73.0	78.5	84.0	89.0
Cable Net. Weigth (approx.)		kg/km	Cu	3293	3790	4324	5310	6354	7321	8412	9854	11980	14914
			Al	2792	3122	3448	4054	4624	5151	5666	6460	7474	9262
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344
Inductance per-phase		mH/km		0.400	0.376	0.361	0.338	0.323	0.312	0.304	0.294	0.284	0.276
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	154	186	221	275	332	381	432	491	576	654
			Al	119	144	171	213	258	297	335	383	449	512
	In Ground		Cu	145	173	204	249	297	337	378	425	491	551
			Al	112	134	158	193	231	262	293	332	384	432

N2XSERY/NA2XSERY

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Wire Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

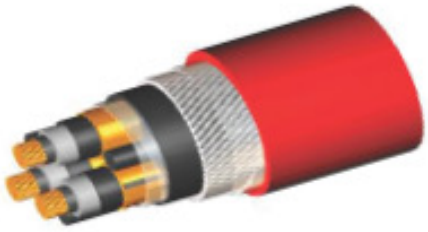
3 CORES

Nominal cross sectional area		mm²		35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm		20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9
Nominal Sheath Thickness		mm		3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.6
Overall cable diameter (approx.)		mm		60.5	62.5	66.5	70.5	74.0	79.5	83.0	89.0	93.5
Cable Net. Weigth (approx.)		kg/km	Cu	4322	4883	5836	6905	7907	9096	10488	13454	15722
			Al	3659	3998	4581	5186	5737	6346	7094	8941	10064
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294
Inductance per-phase		mH/km		0.397	0.380	0.357	0.340	0.328	0.319	0.308	0.297	0.289
Max. Short Circuit current of of conductor		kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	188	223	277	334	384	433	494	578	657
			Al	145	173	215	260	298	336	385	451	514
	In Ground		Cu	173	203	249	297	337	377	425	491	552
			Al	134	158	193	230	262	292	332	384	432

N2XSERY/NA2XSERY

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Wire Armor, PVC Sheathed)



SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)		mm		26.3	27.9	29.7	31.1	32.3	34.3	36.7	38.9
Nominal Sheath Thickness		mm		3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2
Overall cable diameter (approx.)		mm		76.0	80.5	84.0	87.5	91.5	95.5	100.5	106.0
Cable Net. Weigth (approx.)		kg/km	Cu	6335	7435	8574	10439	11661	13200	15483	17950
			Al	5444	6180	6860	8269	8898	9807	10961	12278
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227
Inductance per-phase		mH/km		0.423	0.396	0.377	0.364	0.353	0.340	0.327	0.317
Max. Short Circuit current of of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	227	280	338	387	438	498	583	660
			Al	175	217	263	301	339	388	454	515
	In Ground		Cu	203	248	296	336	377	425	491	552
			Al	157	192	230	261	292	331	384	431

N2XSEBY/NA2XSEBY

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8
Insulation diameter (approx.)		mm		12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm		2.2	2.3	2.4	2.5	2.6	2.7	.8	2.9	3.1	3.3
Overall cable diameter (approx.)		mm		39	42	45	49	53	56	59	64	70	76
Cable Net. Weigth (approx.)		kg/km	Cu	2417	2865	3391	4272	5266	6232	7271	8585	10679	12965
			Al	1922	2206	2517	3016	3534	4062	4531	5191	6180	7327
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481
Inductance per-phase		mH/km		0.346	0.326	0.314	0.296	0.284	0.276	0.269	0.262	0.256	0.253
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	149	181	215	268	325	374	425	486	570	648
			Al	115	140	166	208	253	291	329	379	446	508
	In Ground		Cu	145	173	204	249	297	337	378	426	492	551
			Al	112	134	158	193	231	262	293	333	385	433

N2XSEBY/NA2XSEBY

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm		14.9	15.9	17.1	18.7	20.5	21.9	33.1	35.1	37.5	29.7
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm		2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4
Overall cable diameter (approx.)		mm		44	46	49	53	57	61	64	68	74	79
Cable Net. Weigth (approx.)		kg/km	Cu	2767	3279	3799	4687	5753	6690	7761	9091	11235	13326
			Al	2270	2619	2918	3431	4030	4520	5018	5697	6733	7697
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420
Inductance per-phase		mH/km		0.372	0.350	0.336	0.316	0.303	0.293	0.285	0.277	0.268	0.261
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	152	183	218	272	328	377	428	488	572	651
			Al	117	142	169	211	255	294	332	381	447	510
	In Ground		Cu	145	173	204	249	297	337	378	426	491	551
			Al	112	134	158	194	230	262	293	332	384	433

N2XSEBY/NA2XSEBY

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm		17.1	18.1	19.3	20.9	22.7	24.1	25.3	27.3	29.7	31.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
Nominal Sheath Thickness		mm		2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6
Overall cable diameter (approx.)		mm		49	51	54	58	62	66	69	74	79	86
Cable Net. Weigth (approx.)		kg/km	Cu	3293	3790	4324	5310	6354	7321	8412	9854	11980	14914
			Al	2792	3122	3448	4054	4624	5151	5666	6460	7474	9262
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344
Inductance per-phase		mH/km		0.400	0.376	0.361	0.338	0.323	0.312	0.304	0.294	0.284	0.276
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	154	186	221	275	332	381	432	491	576	654
			Al	119	144	171	213	258	297	335	383	449	512
	In Ground		Cu	145	173	204	249	297	337	378	425	491	551
			Al	112	134	158	193	231	262	293	332	384	432

N2XSEBY/NA2XSEBY

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm		20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm		3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.6
Overall cable diameter (approx.)		mm		56	59	63	66	70	74	78	85	90
Cable Net. Weigth (approx.)		kg/km	Cu	4322	4883	5836	6905	7907	9096	10488	13454	15722
			Al	3659	3998	4581	5186	5737	6346	7094	8941	10064
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294
Inductance per-phase		mH/km		0.397	0.380	0.357	0.340	0.328	0.319	0.308	0.297	0.289
Max. Short Circuit current of of conductor		kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	188	223	277	334	384	433	494	578	657
			Al	145	173	215	260	298	336	385	451	514
	In Ground		Cu	173	203	249	297	337	377	425	491	552
			Al	134	158	193	230	262	292	332	384	432

N2XSEBY/NA2XSEBY

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORE

Nominal cross sectional area		mm²		50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)		mm		26.3	27.9	29.7	31.1	32.3	34.3	36.7	38.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8
Nominal Sheath Thickness		mm		3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2
Overall cable diameter (approx.)		mm		72	75	80	84	87	92	96	103
Cable Net. Weigth (approx.)		kg/km	Cu	6335	7435	8574	10439	11661	13200	15483	17950
			Al	5444	6180	6860	8269	8898	9807	10961	12278
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227
Inductance per-phase		mH/km		0.423	0.396	0.377	0.364	0.353	0.340	0.327	0.317
Max. Short Circuit current of of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	227	280	338	387	438	498	583	660
			Al	175	217	263	301	339	388	454	515
	In Ground		Cu	203	248	296	336	377	425	491	552
			Al	157	192	230	261	292	331	384	431

N2XSEFGbY/NA2XSEFGbY

3.6/6 (7.2) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

N2XSEFGbY/NA2XSEFGbY are normally used for installation indoor, in ground direct burried, for power station and switchgear, if there is a risk that low mechanical damage may occur.

The conductors in compacted circular stranded (cm) conductor shape with cross-sectional are 25 mm² to 300 mm². Its XLPE insulation and sheath is made of PVC.

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²	25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm	6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.8
Insulation diameter (approx.)		mm	12.5	13.5	14.7	16.3	18.1	19.5	20.7	22.7	25.3	27.9
Nominal Armor Thickness		mm	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm	2.2	2.3	2.4	2.5	2.6	2.7	.8	2.9	3.1	3.3
Overall cable diameter (approx.)		mm	40	43	46	50	54	57	60	65	71	77
Cable Net. Weigth (approx.)		kg/km Cu	2417	2865	3391	4272	5266	6232	7271	8585	10679	12965
		kg/km Al	1922	2206	2517	3016	3534	4062	4531	5191	6180	7327
Max. DC Conductor Resistance at 20°C		kg/km Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
		kg/km Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
		kg/km Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km	0.191	0.216	0.240	0.279	0.318	0.349	0.376	0.419	0.459	0.481
Inductance per-phase		mH/km	0.346	0.326	0.314	0.296	0.284	0.276	0.269	0.262	0.256	0.253
Max. Short Circuit current of of conductor		kA/sec Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
		kA/sec Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec	1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A Cu	149	181	215	268	325	374	425	486	570	648
		A Al	115	140	166	208	253	291	329	379	446	508
	In Ground	A Cu	145	173	204	249	297	337	378	426	492	551
		A Al	112	134	158	193	231	262	293	333	385	433

N2XSEFGbY/NA2XSEFGbY

6/10 (12) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
Insulation diameter (approx.)		mm		14.9	15.9	17.1	18.7	20.5	21.9	33.1	35.1	37.5	29.7
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm		2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4
Overall cable diameter (approx.)		mm		45	47	50	54	58	62	65	69	75	80
Cable Net. Weigth (approx.)		kg/km	Cu	2767	3279	3799	4687	5753	6690	7761	9091	11235	13326
			Al	2270	2619	2918	3431	4030	4520	5018	5697	6733	7697
Max. DC Conductor Resistance at 20ºC		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20ºC		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.161	0.181	0.200	0.230	0.261	0.286	0.306	0.341	0.382	0.420
Inductance per-phase		mH/km		0.372	0.350	0.336	0.316	0.303	0.293	0.285	0.277	0.268	0.261
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30ºC	In Air	A	Cu	152	183	218	272	328	377	428	488	572	651
			Al	117	142	169	211	255	294	332	381	447	510
	In Ground		Cu	145	173	204	249	297	337	378	426	491	551
			Al	112	134	158	194	230	262	293	332	384	433

N2XSEFGbY/NA2XSEFGbY

8.7/15 (17.5) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		25	35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		6.05	7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Insulation diameter (approx.)		mm		17.1	18.1	19.3	20.9	22.7	24.1	25.3	27.3	29.7	31.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8
Nominal Sheath Thickness		mm		2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.3	3.4	3.6
Overall cable diameter (approx.)		mm		50	52	55	59	63	67	70	75	80	87
Cable Net. Weigth (approx.)		kg/km	Cu	3293	3790	4324	5310	6354	7321	8412	9854	11980	14914
			Al	2792	3122	3448	4054	4624	5151	5666	6460	7474	9262
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.727	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	1.200	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.927	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1.539	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.138	0.154	0.170	0.193	0.218	0.238	0.254	0.281	0.314	0.344
Inductance per-phase		mH/km		0.400	0.376	0.361	0.338	0.323	0.312	0.304	0.294	0.284	0.276
Max. Short Circuit current of of conductor		kA/sec	Cu	3.73	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	2.49	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		1.90	2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	154	186	221	275	332	381	432	491	576	654
			Al	119	144	171	213	258	297	335	383	449	512
	In Ground		Cu	145	173	204	249	297	337	378	425	491	551
			Al	112	134	158	193	231	262	293	332	384	432

N2XSEFGbY/NA2XSEFGbY

12/20 (24) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		35	50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		7.10	8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Insulation diameter (approx.)		mm		20.1	21.3	22.9	24.7	26.1	27.3	29.3	31.7	33.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8
Nominal Sheath Thickness		mm		3.4	3.5	3.7	3.8	3.9	4.1	4.2	4.4	4.6
Overall cable diameter (approx.)		mm		57	60	64	67	71	75	79	86	91
Cable Net. Weigth (approx.)		kg/km	Cu	4322	4883	5836	6905	7907	9096	10488	13454	15722
			Al	3659	3998	4581	5186	5737	6346	7094	8941	10064
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.524	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.868	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.668	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	1,113	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.136	0.149	0.169	0.190	0.206	0.220	0.243	0.270	0.294
Inductance per-phase		mH/km		0.397	0.380	0.357	0.340	0.328	0.319	0.308	0.297	0.289
Max. Short Circuit current of of conductor		kA/sec	Cu	5.18	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	3.45	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.05	2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	188	223	277	334	384	433	494	578	657
			Al	145	173	215	260	298	336	385	451	514
	In Ground		Cu	173	203	249	297	337	377	425	491	552
			Al	134	158	193	230	262	292	332	384	432

N2XSEFGbY/NA2XSEFGbY

18/30 (36) kV

(Copper/Aluminium Conductor, XLPE Insulated, Copper Wire/Tape, Galvanized Steel Tape Armor, PVC Sheathed)

SPECIFICATION: SPLN 43-5, SNI IEC 60502-2

DIMENSIONAL & ELECTRICAL DATA

3 CORES

Nominal cross sectional area		mm²		50	70	95	120	150	185	240	300
Conductor diameter (approx.)		mm		8.25	9.90	11.70	13.10	14.30	16.30	18.70	20.90
Nominal Insulation Thickness		mm		8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Insulation diameter (approx.)		mm		26.3	27.9	29.7	31.1	32.3	34.3	36.7	38.9
Nominal Armor Thickness		mm		0.5	0.5	0.5	0.8	0.8	0.8	0.8	0.8
Nominal Sheath Thickness		mm		3.2	3.3	3.5	3.6	3.7	3.9	4.0	4.2
Overall cable diameter (approx.)		mm		73	76	81	85	88	93	97	104
Cable Net. Weigth (approx.)		kg/km	Cu	6335	7435	8574	10439	11661	13200	15483	17950
			Al	5444	6180	6860	8269	8898	9807	10961	12278
Max. DC Conductor Resistance at 20°C		kg/km	Cu	0.387	0.268	0.193	0.153	0.124	0.0991	0.0754	0.0601
			Al	0.641	0.443	0.320	0.253	0.206	0.164	0.125	0.100
Max. AC Conductor Resistance at 20°C		kg/km	Cu	0.494	0.342	0.247	0.196	0.159	0.128	0.098	0.079
			Al	0.822	0.568	0.411	0.325	0.265	0.211	0.162	0.130
Capacitance per-phase		µF/km		0.121	0.136	0.151	0.163	0.173	0.190	0.209	0.227
Inductance per-phase		mH/km		0.423	0.396	0.377	0.364	0.353	0.340	0.327	0.317
Max. Short Circuit current of of conductor		kA/sec	Cu	7.36	10.26	13.88	17.49	21.81	26.86	34.78	43.41
			Al	4.89	6.81	9.19	11.58	14.43	17.76	22.98	28.67
Max. Short Circuit current of of screen		kA/sec		2.21	2.44	2.69	2.89	3.05	3.33	3.70	4.06
Max. Current Carrying Capacity at 30°C	In Air	A	Cu	227	280	338	387	438	498	583	660
			Al	175	217	263	301	339	388	454	515
	In Ground		Cu	203	248	296	336	377	425	491	552
			Al	157	192	230	261	292	331	384	431

HIGH-VOLTAGE CABLE

N2XCK2Y

36/63 (72.5) kV

(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 60840

DIMENSIONAL & ELECTRICAL DATA										
Nominal cross sectional area			mm2		300	500	800	1000	1200	1600
Conductor diameter (approx.)			mm	Cu	20.5	26.4	34.7	38.8	42.5	48.9
				Al	20.5	26.4	34.7	38.2	41.4	48.9
Overall cable diameter (approx.)			mm	Cu	64	71	81	85	91	100
				Al	64	71	81	85	88	98
Cable Net. Weigth (approx.)			kg/m	Cu	10	12	17	19	22	29
				Al	8	9	11	13	14	17
Max. DC Conductor Resistance at 20°C			kg/km	Cu	0.0601	0.0366	0.0221	0.0176	0.0151	0.0113
				Al	0.1	0.0605	0.0367	0.0291	0.0247	0.0186
Capacitance per-phase			µF/km		0.2	0.24	0.27	0.31	0.33	0.39
Inductance per-phase			mH/km		0.4	0.37	0.34	0.33	0.33	0.32
					0.59	0.56	0.53	0.52	0.51	0.5
Max. Short Circuit current of of conductor			kA/sec	Cu	42.8	71.4	114.2	142.8	171.4	228.5
				Al	28.3	47.2	75.6	94.5	113.4	151.2
Continuous Current-carrying Capacities										
Trefoil Formation	In Air	30°C	A	Cu	730	955	1310	1445	1715	2000
				Al	580	770	1070	1210	1310	1645
		50°C		Cu	580	755	1040	1155	1360	1585
				Al	460	610	845	960	1035	1300
	In Ground	20°C	A	Cu	565	715	955	1045	1205	1365
				Al	455	580	780	870	930	1130
		30°C		Cu	490	610	820	895	1035	1170
				Al	390	500	670	745	800	970
Flat Formation	In Air	30°C	A	Cu	875	1175	1550	1755	2040	2215
				Al	680	925	1250	1425	1560	1940
		50°C		Cu	700	940	1245	1495	1625	1770
				Al	545	735	1000	1135	1245	1550
	In Ground	20°C	A	Cu	630	815	1040	1225	1320	1405
				Al	490	645	835	940	1015	1230
		30°C		Cu	540	700	895	1050	1130	1205
				Al	420	555	720	805	870	1055

N2XCK2Y
64/110 (123) kV

(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 60840

DIMENSIONAL & ELECTRICAL DATA

Nominal cross sectional area			mm2		300	500	800	1000	1200	1600
Conductor diameter (approx.)			mm	Cu	20.5	26.4	34.7	38.8	42.5	48.9
				Al	20.5	26.4	34.7	38.2	41.4	48.9
Overall cable diameter (approx.)			mm	Cu	73	77	84	89	95	104
				Al	73	77	84	88	92	102
Cable Net. Weigth (approx.)			kg/m	Cu	11	13	17	20	23	29
				Al	9	10	12	14	15	18
Max. DC Conductor Resistance at 20°C			kg/km	Cu	0.0601	0.0366	0.0221	0.0176	0.0151	0.0113
				Al	0.1	0.0605	0.0367	0.0291	0.0247	0.0186
Capacitance per-phase			uF/km		0.15	0.2	0.25	0.27	0.3	0.3
Inductance per-phase			mH/km		0.42	0.39	0.36	0.35	0.35	0.33
					0.61	0.58	0.55	0.54	0.53	0.52
Max. Short Circuit current of of conductor			kA/sec	Cu	42	70	112	140	168	224
				Al	28.5	47.5	76	95	114	152
Continuous Current-carrying Capacities										
Trefoil Formation	In Air	30°C	A	Cu	730	950	1310	1455	1710	1850
				Al	580	770	1070	1205	1305	1645
		50°C		Cu	580	755	1310	1155	1355	1470
				Al	460	610	845	955	1035	1305
	In Ground	20°C	A	Cu	570	710	960	1040	1205	1280
				Al	455	580	785	870	930	1135
		30°C		Cu	490	610	820	895	1030	1095
				Al	390	500	670	745	795	975
Flat Formation	In Air	30°C	A	Cu	855	1160	1545	1735	2015	2190
				Al	665	910	1240	1410	1545	1925
		50°C		Cu	685	925	1235	1385	1610	1750
				Al	535	725	990	1125	1230	1535
	In Ground	20°C	A	Cu	625	810	1040	1220	1315	1400
				Al	485	640	835	935	1010	1230
		30°C		Cu	540	700	890	985	1125	1200
				Al	420	550	715	800	865	1055

N2XCK2Y
76/132 (145) kV
(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 60840

DIMENSIONAL & ELECTRICAL DATA										
Nominal cross sectional area				**mm2**		**500**	**800**	**1000**	**1200**	**1600**	**2000**
Conductor diameter (approx.)				mm	Cu	26.4	34.7	38.8	42.5	48.9	57.2
					Al	26.4	34.7	38.2	41.4	48.9	54
Overall cable diameter (approx.)				mm	Cu	83	88	92	98	108	117
					Al	83	88	91	95	106	112
Cable Net. Weigth (approx.)				kg/m	Cu	15	18	21	24	31	35
					Al	11	13	14	16	19	22
Max. DC Conductor				kg/km	Cu	0.0366	0.0221	0.0176	0.0151	0.0113	0.009
Resistance at 20°C					Al	0.0605	0.0367	0.0291	0.0247	0.0186	0.0149
Capacitance per-phase				µF/km		0.2	0.25	0.27	0.3	0.3	0.35
Inductance per-phase				mH/km		0.39	0.36	0.36	0.35	0.33	0.32
						0.58	0.55	0.54	0.53	0.52	0.51
Max. Short Circuit				kA/sec	Cu	70	112	140	168	224	280
current of of conductor					Al	47.5	76	95	114	152	190
Continuous Current-carrying Capacities											
Trefoil Formation	In Air	30°C		A	Cu	955	1150	1450	1715	1840	2050
					Al	770	1065	1200	1300	1635	1845
		50°C			Cu	760	845	1150	1360	1460	1630
					Al	610	675	950	1035	1295	1465
	In Ground	20°C		A	Cu	710	780	1040	1215	1275	1385
					Al	580	630	865	930	1135	1255
		30°C			Cu	610	670	895	1040	1095	1185
					Al	500	540	745	795	970	1075
Flat Formation	In Air	30°C		A	Cu	1140	1225	1720	2000	2160	2435
					Al	895	980	1395	1525	1900	1375
		50°C			Cu	915	980	1375	1600	1730	1945
					Al	715	840	1115	1220	1520	1735
	In Ground	20°C		A	Cu	810	835	1145	1315	1400	1535
					Al	640	685	935	1010	1225	1375
		30°C			Cu	700	715	980	1130	1200	1315
					Al	550	585	800	865	1055	1180

N2XCK2Y
87/150 (170) kV
(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 60840

Nominal cross sectional area			mm2		500	800	1000	1200	1600	2000
Conductor diameter (approx.)			mm	Cu	26.4	34.7	38.8	42.5	48.9	57.2
				Al	26.4	34.7	38.2	41.4	48.9	54
Overall cable diameter (approx.)			mm	Cu	89	94	97	102	112	121
				Al	89	94	96	99	108	114
Cable Net. Weigth (approx.)			kg/m	Cu	16	20	22	25	31	35
				Al	13	15	15	17	19	22
Max. DC Conductor			kg/km	Cu	0.0366	0.0221	0.0176	0.0151	0.0113	0.009
Resistance at 20°C				Al	0.0605	0.0367	0.0291	0.0247	0.0186	0.0149
Capacitance per-phase			µF/km		0.17	0.2	0.24	0.26	0.27	0.29
Inductance per-phase			mH/km		0.41	0.38	0.37	0.36	0.35	0.33
					0.6	0.57	0.56	0.55	0.53	0.52
Max. Short Circuit			kA/sec	Cu	70	112	140	168	224	280
current of of conductor				Al	47.5	76	95	114	152	190
Continuous Current-carrying Capacities										
Trefoil Formation	In Air	30°C	A	Cu	955	1205	1445	1705	1840	2050
				Al	765	1065	1195	1300	1630	1845
		50°C		Cu	760	995	1250	1355	1460	1625
				Al	610	845	950	1035	1295	1460
	In Ground	20°C	A	Cu	715	925	1130	1210	1275	1385
				Al	580	780	865	935	1130	1255
		30°C		Cu	615	810	970	1040	1090	1185
				Al	500	670	745	800	970	1075
Flat Formation	In Air	30°C	A	Cu	1125	1520	1815	1980	2160	2435
				Al	880	1225	1375	1515	1895	2170
		50°C		Cu	900	1230	1455	1585	1730	1945
				Al	705	980	1100	1210	1515	1735
	In Ground	20°C	A	Cu	810	1005	1220	1315	1395	1530
				Al	635	835	930	1010	1225	1375
		30°C		Cu	700	890	1045	1130	1200	1310
				Al	550	715	800	865	1050	1175

N2XCK2Y
130/225 (245) kV

(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 62067

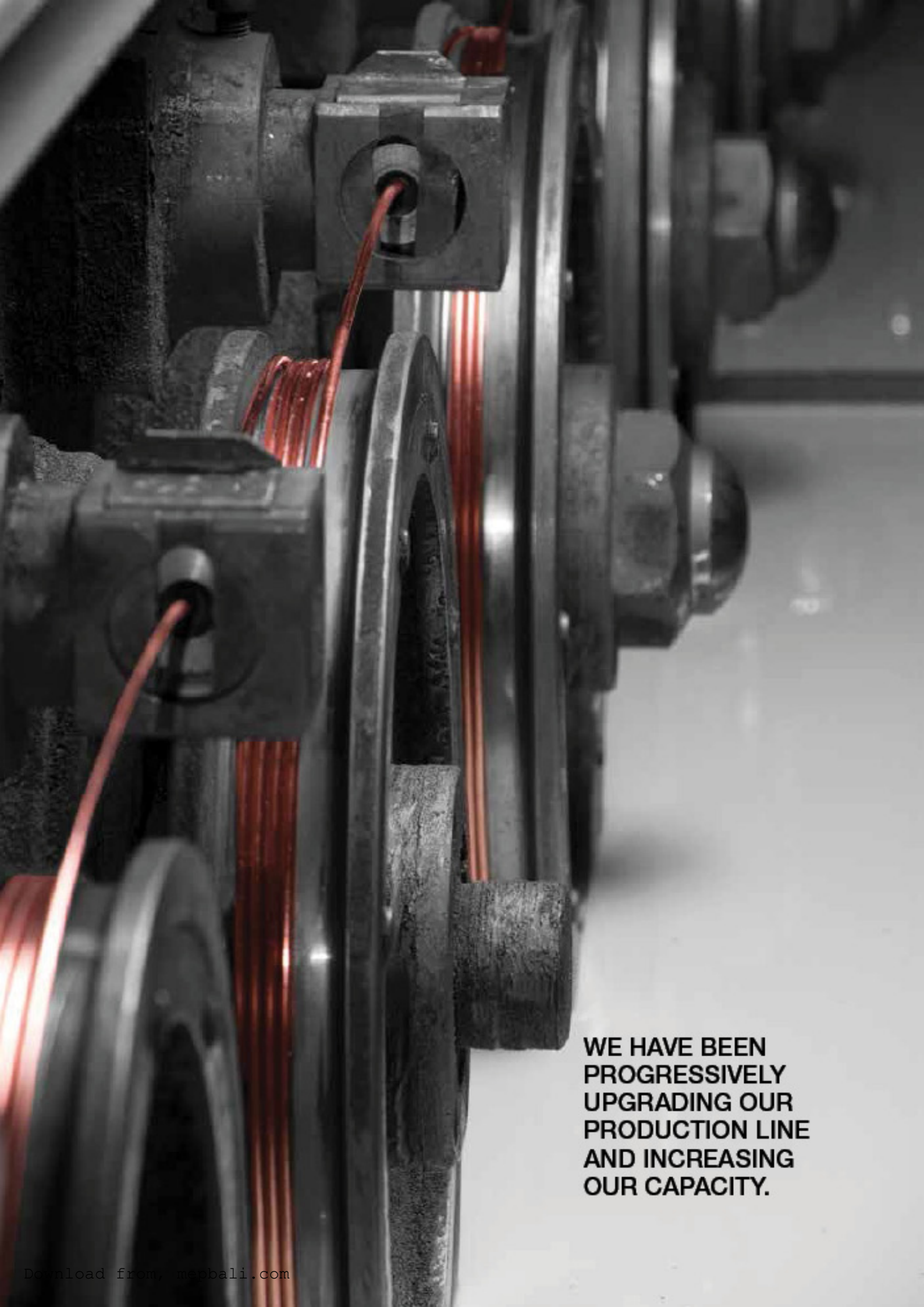
DIMENSIONAL & ELECTRICAL DATA										
Nominal cross sectional area			mm2		500	800	1000	1200	1600	2000
Conductor diameter (approx.)			mm	Cu	26.4	34.7	38.8	42.5	48.9	57.2
				Al	26.4	34.7	38.2	41.4	48.9	54
Overall cable diameter (approx.)			mm	Cu	96	97	100	109	114	123
				Al	96	97	100	105	114	123
Cable Net. Weigth (approx.)			kg/m	Cu	18	21	25	27	33	38
				Al	15	16	17	19	22	25
Max. DC Conductor			kg/km	Cu	0.0366	0.0221	0.0176	0.0151	0.0113	0.009
Resistance at 20°C				Al	0.0605	0.0367	0.0291	0.0247	0.0186	0.0149
Capacitance per-phase			µF/km		0.14	0.18	0.19	0.21	0.23	0.25
Inductance per-phase			mH/km		0.44	0.4	0.39	0.38	0.36	0.35
					0.62	0.58	0.57	0.56	0.54	0.53
Max. Short Circuit			kA/sec	Cu	70	112	140	168	224	280
current of of conductor				Al	47.5	76	95	114	152	190
Continuous Current-carrying Capacities										
Trefoil Formation	In Air	30°C	A	Cu	985	1285	1425	1660	1785	1975
				Al	780	1045	1180	1280	1590	1785
		50°C		Cu	785	1020	1130	1320	1415	1565
				Al	625	830	935	1015	1260	1420
	In Ground	20°C	A	Cu	750	935	1020	1170	1225	1315
				Al	600	765	850	910	1095	1210
		30°C		Cu	650	800	875	935	1000	1045
				Al	520	660	730	780	935	1035
Flat Formation	In Air	30°C	A	Cu	1110	1495	1680	1935	2115	2370
				Al	870	1200	1360	1490	1850	2100
		50°C		Cu	890	1195	1345	1550	1690	1895
				Al	700	960	1090	1190	1480	1680
	In Ground	20°C	A	Cu	800	1020	1125	1285	1365	1275
				Al	630	820	920	995	1200	1345
		30°C		Cu	690	875	965	1105	1170	1275
				Al	545	705	790	855	1030	1155

N2XCK2Y
160/275 (300) kV

(Copper/XLPE Insulated/Copper Wire Screen/ Lead Sheathed, HDPE Outer-Sheathed)

SPECIFICATION: IEC 62067

DIMENSIONAL & ELECTRICAL DATA									
Nominal cross sectional area			mm2		500	800	1000	1200	1600	2000
Conductor diameter (approx.)			mm	Cu	26.4	34.7	38.8	42.5	48.9	57.2
				Al	26.4	34.7	38.2	41.4	48.9	54
Overall cable diameter (approx.)			mm	Cu	100	104	108	113	122	130
				Al	100	104	105	109	122	130
Cable Net. Weigth (approx.)			kg/m	Cu	19	23	26	28	36	40
				Al	16	18	19	20	25	28
Max. DC Conductor Resistance at 20°C			kg/km	Cu	0.0366	0.0221	0.0176	0.0151	0.0113	0.009
				Al	0.0605	0.0367	0.0291	0.0247	0.0186	0.0149
Capacitance per-phase			µF/km		0.13	0.16	0.17	0.18	0.2	0.21
Inductance per-phase			mH/km		0.45	0.42	0.4	0.39	0.38	0.36
					0.64	0.61	0.59	0.58	0.56	0.55
Max. Short Circuit current of of conductor			kA/sec	Cu	70	112	140	168	224	280
				Al	47.5	76	95	114	152	190
Continuous Current-carrying Capacities										
Trefoil Formation	In Air	30°C	A	Cu	980	1275	1415	1645	1775	1965
				Al	775	1040	1170	1275	1515	1775
		50°C		Cu	780	1015	1125	1305	1405	1560
				Al	620	825	980	1010	1250	1410
	In Ground	20°C	A	Cu	750	930	1015	1155	1220	1315
				Al	595	765	845	905	1090	1210
		30°C		Cu	645	800	870	990	1045	1120
				Al	515	655	725	775	930	1035
Flat Formation	In Air	30°C	A	Cu	1100	1465	1645	1910	2070	2330
				Al	865	1175	1345	1470	1810	2060
		50°C		Cu	880	1175	1320	1530	1655	1860
				Al	690	940	1075	1175	1450	1650
	In Ground	20°C	A	Cu	795	1015	1120	1275	1355	1480
				Al	630	915	915	990	1195	1340
		30°C		Cu	690	870	960	1095	1160	1265
				Al	545	700	785	845	1025	1145



WE HAVE BEEN PROGRESSIVELY UPGRADING OUR PRODUCTION LINE AND INCREASING OUR CAPACITY.