0.6/ 1 (1.2) kV, NYY (Cu / PVC / PVC)

(Copper Conductor, PVC Insulated, PVC Sheathed)
Standard Specification : SNI IEC 60502-1, SPLN D3.010-2, IEC 60502-1

**For Insulation colour can be based on Customer Request or Follow Standard.*

Copper Conductor

PVC Insulated

PVC Filler

PVC Outer Sheath

Application

Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Heat Resistance
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

Note : Conductor Shape

- 1.5- 10 sqmm supplied in solid (re) or non compacted circular stranded (rm) conductor shape
- 16 sqmm supplied in non compacted circular stranded (rm) conductor shape
- 25 - 630 sqmm supplied in non compacted circular stranded (rm) or compacted circular stranded (cm) conductor shape

Standard Packing

- 1.5- 10 sqmm supplied in coil @ 100 meters
- 16- 300 sqmm supplied in wooden drum @ 1000 meters
- 400 - 630 sqmm suppliedin wooden drum on available length
- Length Tolerance per drum ± 2%

PHYSICAL PROPERTIES					ELECTRICAL PROPERTIES								
Nom Cross Section Area			Approx. Overall Diameter	Approx. Cable Weight	Conductor		Min. Insulation Resistance at 20 °C	L	X	Z	Max. Current - Carrying Capacity at 30 °C*		Max. Short Circuit current at 1 second
					Max. DC Resistance at 20 °C	Max. AC Resistance at 70 °C					in air	in ground	
mm²			mm	kg/km	ohm/km	ohm/km	M.ohm.km	mH/km	Ohm/km	Ohm/km	A	A	kA
1	x	1.5	6.20	56	12.100	14.478	50	0.416	0.130	14.478	25	37	0.21
1	x	2.5	6.60	70	7.410	8.866	50	0.387	0.121	8.867	33	48	0.36
1	x	4	7.50	95	4.610	5.516	50	0.386	0.121	5.517	45	63	0.57
1	x	6	8.10	120	3.080	3.685	50	0.364	0.114	3.687	57	78	0.86
1	x	10	9.00	167	1.830	2.190	50	0.341	0.107	2.192	77	104	1.43
1	x	16	10.10	234	1.150	1.376	40	0.322	0.101	1.380	102	134	2.29
1	x	25	11.70	341	0.727	0.870	40	0.319	0.100	0.876	138	174	3.58
1	x	35	12.90	445	0.524	0.627	40	0.308	0.097	0.635	169	208	5.01
1	x	50	14.60	583	0.387	0.464	30	0.308	0.097	0.473	208	248	7.15
1	x	70	16.30	733	0.268	0.321	30	0.297	0.093	0.335	263	304	10.01
1	x	95	18.80	1,077	0.193	0.232	30	0.296	0.093	0.250	327	364	13.59
1	x	120	20.40	1,318	0.153	0.184	30	0.290	0.091	0.206	380	414	17.16
1	x	150	22.50	1,620	0.124	0.150	20	0.290	0.091	0.176	437	464	21.45
1	x	185	24.90	2,010	0.099	0.121	20	0.290	0.091	0.151	507	524	26.46
1	x	240	28.10	2,613	0.075	0.093	20	0.288	0.090	0.130	607	607	34.32
1	x	300	31.10	3,237	0.060	0.075	20	0.287	0.090	0.117	702	683	42.90
1	x	400	34.60	4,085	0.047	0.060	20	0.285	0.090	0.108	818	773	57.20
1	x	500	38.40	5,150	0.037	0.049	20	0.283	0.089	0.102	948	870	71.50
1	x	630	42.60	6,599	0.028	0.040	20	0.278	0.087	0.096	1090	972	90.09
2	x	1.5	13.30	234	12.100	14.478	50	0.330	0.104	14.478	24	30	0.21
2	x	2,5	14.10	276	7.410	8.866	50	0.307	0.096	8.867	32	39	0.36
2	x	4	15.90	362	4.610	5.516	50	0.311	0.098	5.517	43	50	0.57
2	x	6	17.10	435	3.080	3.685	50	0.307	0.096	3.687	52	61	0.86
2	x	10	18.90	570	1.830	2.190	50	0.270	0.085	2.191	73	82	1.43
2	x	16	21.00	754	1.150	1.376	40	0.256	0.080	1.378	97	106	2.29
2	x	25	24.30	1,061	0.727	0.870	40	0.253	0.080	0.874	131	137	3.58
2	x	35	26.60	1,339	0.524	0.627	40	0.245	0.077	0.632	160	163	5.01
2	x	50	30.00	1,734	0.387	0.464	30	0.244	0.077	0.470	197	194	7.15
2	x	70	33.70	2,303	0.268	0.321	30	0.236	0.074	0.330	249	237	10.01
2	x	95	38.40	3,066	0.193	0.232	30	0.235	0.074	0.243	309	284	13.59
2	x	120	41.80	3,717	0.153	0.184	30	0.230	0.072	0.198	359	322	17.16
2	x	150	45.90	4,522	0.124	0.150	20	0.230	0.072	0.167	413	361	21.45
2	x	185	50.70	5,577	0.099	0.121	20	0.230	0.072	0.141	479	408	26.46
2	x	240	57.10	7,187	0.075	0.093	20	0.229	0.072	0.117	572	472	34.32
2	x	300	63.30	8,900	0.060	0.075	20	0.228	0.072	0.104	665	533	42.90
2	x	400	70.50	11,175	0.047	0.060	20	0.226	0.071	0.093	771	603	57.20
3	x	1.5	13.10	237	12.100	14.478	50	0.330	0.104	14.478	20	25	0.21
3	x	2.5	14.00	286	7.410	8.866	50	0.307	0.096	8.867	27	32	0.36
3	x	4	15.90	387	4.610	5.516	50	0.307	0.096	5.517	36	41	0.57
3	x	6	17.20	478	3.080	3.685	50	0.289	0.091	3.686	45	51	0.86
3	x	10	19.10	648	1.830	2.190	50	0.270	0.085	2.191	61	68	1.43
3	x	16	21.40	885	1.150	1.376	40	0.256	0.080	1.378	81	87	2.29
3	x	25	24.90	1,275	0.727	0.870	40	0.253	0.080	0.874	109	113	3.58
3	x	35	27.40	1,639	0.524	0.627	40	0.245	0.077	0.632	134	135	5.01
3	x	50	31.20	2,143	0.387	0.464	30	0.244	0.077	0.470	165	160	7.15
3	x	70	35.50	2,927	0.268	0.321	30	0.236	0.074	0.330	209	195	10.01
3	x	95	40.80	3,948	0.193	0.232	30	0.235	0.074	0.243	259	234	13.59
3	x	120	44.40	4,813	0.153	0.184	30	0.230	0.072	0.198	301	265	17.16
3	x	150	49.10	5,911	0.124	0.150	20	0.230	0.072	0.167	347	298	21.45
3	x	185	54.20	7,306	0.099	0.121	20	0.230	0.072	0.141	402	336	26.46
3	x	240	61.60	9,524	0.075	0.093	20	0.229	0.072	0.117	482	390	34.32
3	x	300	67.90	11,741	0.060	0.075	20	0.228	0.072	0.104	557	439	42.90
3	x	400	76.30	15,201	0.047	0.060	20	0.226	0.071	0.093	651	498	57.20
4	x	1.5	13.90	272	12.100	14.478	50	0.330	0.104	14.478	21	25	0.21
4	x	2.5	14.90	333	7.410	8.866	50	0.307	0.096	8.867	28	32	0.36
4	x	4	17.10	457	4.610	5.516	50	0.288	0.090	5.517	37	42	0.57
4	x	6	18.50	571	3.080	3.685	50	0.289	0.091	3.686	47	52	0.86
4	x	10	20.70	785	1.830	2.190	50	0.270	0.085	2.191	64	69	1.43
4	x	16	23.20	1,085	1.150	1.376	40	0.256	0.080	1.378	85	89	2.29
4	x	25	27.20	1,577	0.727	0.870	40	0.253	0.080	0.874	114	114	3.58
4	x	35	30.00	2,042	0.524	0.627	40	0.245	0.077	0.632	140	137	5.01
4	x	50	34.80	2,730	0.387	0.464	30	0.244	0.077	0.470	172	162	7.15
4	x	70	39.40	3,709	0.268	0.321	30	0.236	0.074	0.330	217	197	10.01
4	x	95	45.00	4,989	0.193	0.232	30	0.235	0.074	0.243	273	238	13.59
4	x	120	49.30	6,132	0.153	0.184	30	0.230	0.072	0.198	317	270	17.16
4	x	150	54.40	7,513	0.124	0.150	20	0.230	0.072	0.167	364	303	21.45
4	x	185	60.20	9,291	0.099	0.121	20	0.230	0.072	0.141	423	342	26.46
4	x	240	68.30	12,113	0.075	0.093	20	0.229	0.072	0.117	507	397	34.32
4	x	300	75.30	14,946	0.060	0.075	20	0.228	0.072	0.104	585	447	42.90
4	x	400	84.30	18,905	0.047	0.060	20	0.226	0.071	0.093	683	507	57.20

**Further information about derating factors for arrangement can be found on supplementary technical information.*