



PT SUPREME CABLE

MANUFACTURING & COMMERCE Tbk.

(PT SUCACO Tbk.)



Product Catalogue
**LOW
VOLTAGE**

**XLPE Insulated
Non Armoured Cable**

www.sucaco.com

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**QUALITY CABLE
YOU CAN TRUST**

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Catalogue





Company Background

Specializing in the cable business since 1970, PT SUPREME CABLE MANUFACTURING & COMMERCE Tbk. (PT SUCACO Tbk.) has grown steadily to become a largest and leading cable manufacturer, with international reputation for quality and reliability. Established in 1970, PT SUCACO Tbk. is a pioneer in the modern industry. With technical assistance from Furukawa Electric Co Ltd. Japan and International Executives Service Corp, USA, the company began commercial operations in 1972.

We produce and markets power cable up to 150 kV, optical and telecommunication cables, control cables, instrumentation cables, coaxial cables, aluminium bare over head conductors and enamelled wires under brand name of " SUPREME ". The Company is also involved through its affiliated companies, in various line of business. The company has a Quality Assurance Program and ISO 9001 certificate from SGS international certification body of quality management system, ISO 14001 for environment management system and ISO 18001 for safety management system. Today, PT SUCACO Tbk. has grown to become a reliable partner in infrastructures, buildings and various projects.

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Main Uses of Power Cables and Conductors

Hydro Electric Power Plan



Main uses:
MV, LV, Building Wire,
Ground Conductor

- Bare Aluminium Conductor

Thermal Power Plan



Main uses:
MV, LV, Building Wire,
Ground Conductor

- Bare Aluminium Conductor
- HV Under Ground Cable

Nuclear Power Plan



Main uses:
MV, LV, Building Wire,
Ground Conductor

Extra High Voltage Transmission Line



- Bare Aluminium Conductor

High Voltage Transmission Line



- Bare Aluminium Conductor
- MV (Aerial or Under Ground Cable)

Medium & Low Voltage Distribution Line



- MV Under Ground Cable

Industry



Cable main uses:
MV, LV, Building Wire

- MV Under Ground Cable

Buildings (Office, Shopping Mall, Hotel)



Cable main uses:
MV, LV, Building Wire

Airport



Cable main uses:
MV, LV, FLYCY, Building Wire

- MV
(Aerial or
Under Ground
Cable)

Domestic Consumers



Cable main uses:
Building Wire

- LV
(Aerial or
Under Ground
Cable)

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N2XA 0.6/1(1.2) kV

IEC 60502-1

Single core, Copper conductor
and XLPE insulated cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

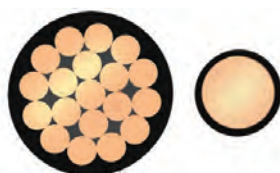
DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness	Approximately		Bending diameter min	Standard delivery length
			Insulation	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	Kg/Km	mm	m
1.5	1	re	0.7	3	18	84	100 / Coil
1.5	7	rm	0.7	3	19	90	100 / Coil
2.5	1	re	0.7	3.2	28	100	100 / Coil
2.5	7	rm	0.7	3.5	29	110	100 / Coil
4	1	re	0.7	3.7	42	120	100 / Coil
4	7	rm	0.7	4	44	130	100 / Coil
6	1	re	0.7	4.2	61	140	100 / Coil
6	7	rm	0.7	4.6	63	160	100 / Coil
10	1	re	0.7	5	99	170	100 / Coil
10	7	rm	0.7	5.5	103	190	100 / Coil
16	7	rm	0.7	6.6	159	240	1,000
25	7	rm	0.9	8.3	253	300	1,000
35	7	rm	0.9	9.5	346	340	1,000
50	19	rm	1.0	11	462	400	1,000
70	19	rm	1.1	13	664	480	1,000
95	19	rm	1.1	15	912	560	1,000
120	37	rm	1.2	17	1,147	620	1,000
150	37	rm	1.4	19	1,413	700	1,000
185	37	rm	1.6	21	1,775	780	1,000
240	61	rm	1.7	24	2,332	900	1,000
300	61	rm	1.8	27	2,904	1,000	1,000
400	61	rm	2.0	30	3,710	1,130	500
500	61	rm	2.2	34	4,673	1,270	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In PIPE	In AIR	
mm ²	Ω/Km	Ω/Km	A		kA
1.5	12.1	1,170	17	27	0.26
2.5	7.41	872	23	37	0.41
4	4.61	722	29	49	0.64
6	3.08	613	36	62	0.93
10	1.83	492	52	85	1.53
16	1.15	402	70	112	2.41
25	0.727	409	95	161	3.37
35	0.524	353	119	182	5.18
50	0.387	334	151	226	7.36
70	0.268	309	190	283	10.26
95	0.193	266	227	336	13.88
120	0.153	257	271	396	17.49
150	0.124	270	-	449	21.81
185	0.0991	275	-	514	26.86
240	0.0754	254	-	607	34.78
300	0.0601	241	-	669	43.41
400	0.0470	237	-	831	57.79
500	0.0366	232	-	950	72.16

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XY 0.6/1(1.2) kV

SPLN 43-6/IEC 60502-1

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

1 Core

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			Kg/Km	mm	m
1.5	1	re	0.7	1.4	6	46	140	1,000
1.5	7	rm	0.7	1.4	6	48	150	1,000
2.5	1	re	0.7	1.4	6.2	59	160	1,000
2.5	7	rm	0.7	1.4	6.5	62	170	1,000
4	1	re	0.7	1.4	6.7	77	180	1,000
4	7	rm	0.7	1.4	7	81	190	1,000
6	1	re	0.7	1.4	7.1	99	200	1,000
6	7	rm	0.7	1.4	7.5	104	210	1,000
10	1	re	0.7	1.4	8	421	230	1,000
10	7	rm	0.7	1.4	8.5	150	250	1,000
16	7	rm	0.7	1.4	9.5	213	300	1,000
25	7	rm	0.9	1.4	11.5	318	360	1,000
35	7	rm	0.9	1.4	12.5	419	400	1,000
50	19	rm	1.0	1.4	14	546	460	1,000
70	19	rm	1.1	1.4	16	766	540	1,000
95	19	rm	1.1	1.5	18	1,033	620	1,000
120	37	rm	1.2	1.5	20	1,287	690	1,000
150	37	rm	1.4	1.6	22	1,575	770	1,000
185	37	rm	1.6	1.6	25	1,965	850	1,000
240	61	rm	1.7	1.8	28	2,552	980	1,000
300	61	rm	1.8	1.8	31	3,071	1,080	1,000
400	61	rm	2.0	2.0	35	4,028	1,220	500
500	61	rm	2.2	2.1	39	5,051	1,360	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C				Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR		In GROUND		
			⌀	o o o	⌀	o o o	
mm ²	Ω/Km	MΩ.Km	A				kA
1.5	12.1	1,170	30		38		0.26
2.5	7.41	872	40		52		0.41
4	4.61	722	53		66		0.64
6	3.08	613	66		88		0.93
10	1.83	492	92		112		1.53
16	1.15	402	99	115	120	123	2.41
25	0.727	409	138	155	143	158	3.37
35	0.524	353	166	195	173	189	5.18
50	0.387	334	207	235	204	225	7.36
70	0.268	309	258	298	250	275	10.26
95	0.193	266	321	367	302	332	13.88
120	0.153	257	379	430	342	378	17.49
150	0.124	270	436	494	388	429	21.81
185	0.0991	275	505	562	440	480	26.86
240	0.0754	254	608	677	500	552	34.78
300	0.0601	241	700	781	562	634	43.41
400	0.0470	237	849	941	665	725	57.79
500	0.0366	232	987	1,102	766	838	72.16

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XY 0.6/1(1.2) kV**SPLN 43-6/IEC 60502-1****Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA**2 Cores**

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			Kg/Km	mm	m
1.5	1	re	0.7	1.8	12	180	190	1,000
1.5	7	rm	0.7	1.8	12	187	200	1,000
2.5	1	re	0.7	1.8	12	221	220	1,000
2.5	7	rm	0.7	1.8	13	236	230	1,000
4	1	re	0.7	1.8	13	272	240	1,000
4	7	rm	0.7	1.8	14	293	250	1,000
6	1	re	0.7	1.8	14	336	260	1,000
6	7	rm	0.7	1.8	15	362	280	1,000
10	1	re	0.7	1.8	16	456	300	1,000
10	7	rm	0.7	1.8	17	495	310	1,000
16	7	rm	0.7	1.8	19	674	260	1,000
25	7	rm	0.9	1.8	23	982	430	1,000
35	7	rm	0.9	1.8	25	1,258	500	1,000
50	19	rm	1.0	1.8	28	1,610	570	1,000
70	19	rm	1.1	1.8	33	2,265	660	1,000
95	19	rm	1.1	2.0	37	2,986	760	1,000
120	37	rm	1.2	2.1	41	3,692	840	200
150	37	rm	1.4	2.2	46	4,564	940	200
185	37	rm	1.6	2.3	49	5,220	588	500
240	61	rm	1.7	2.5	55	6,729	660	500
300	61	rm	1.8	2.7	61	8,342	732	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1.170	24	31	0,26
2.5	7.41	872	33	41	0,41
4	4.61	722	44	54	0,64
6	3.08	613	55	68	0,93
10	1.83	492	76	89	1,53
16	1.15	402	103	117	2,41
25	0.727	409	138	154	3,37
35	0,524	353	172	184	5,18
50	0,387	334	207	215	7,36
70	0,268	309	264	264	10,26
95	0,193	266	316	321	13,88
120	0,153	257	367	367	17,49
150	0,124	270	430	407	21,81

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XY 0.6/1(1.2) kV SPLN 43-6/IEC 60502-1

Copper conductor, XLPE insulated and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

3 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			Kg/Km	mm	m
1.5	1	re	0.7	1.8	12	200	200	1,000
1.5	7	rm	0.7	1.8	13	207	210	1,000
2.5	1	re	0.7	1.8	13	251	220	1,000
2.5	7	rm	0.7	1.8	14	266	240	1,000
4	1	re	0.7	1.8	14	316	250	1,000
4	7	rm	0.7	1.8	15	339	260	1,000
6	1	re	0.7	1.8	15	398	270	1,000
6	7	rm	0.7	1.8	16	426	290	1,000
10	1	re	0.7	1.8	17	554	310	1,000
10	7	rm	0.7	1.8	18	597	330	1,000
16	7	rm	0.7	1.8	20	829	380	1,000
25	7	rm	0.9	1.8	24	1,224	460	1,000
35	7	rm	0.9	1.8	27	1,586	520	1,000
50	19	rm	1.0	1.8	30	2,059	590	1,000
50	19	sm	1.0	1.8	25	1,642	300	1,000
70	19	rm	1.1	1.9	35	2,905	690	1,000
70	19	sm	1.1	1.9	30	2,404	580	1,000
95	19	rm	1.1	2.0	40	3,864	790	1,000
95	19	sm	1.1	2.0	34	3,255	660	1,000
120	37	rm	1.2	2.1	45	4,850	880	500
120	37	sm	1.2	2.1	38	4,067	750	500
150	37	rm	1.4	2.3	49	5,920	970	500
150	37	sm	1.4	2.3	41	4,950	810	500
185	37	rm	1.6	2.4	55	7,422	1,090	500
185	37	sm	1.6	2.4	46	6,184	900	500
240	61	rm	1.7	2.6	62	9,580	1,250	500
240	37	sm	1.7	2.6	51	7,976	1,000	200
300	61	rm	1.8	2.8	69	11,824	1,380	200
300	37	sm	1.8	2.8	56	9,940	1,110	200

ELECTRICAL DATA

ELECTRICAL DATA					
Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min			
			In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	27	0.26
2.5	7.41	872	29	37	0.41
4	4.61	722	39	47	0.64
6	3.08	613	50	60	0.93
10	1.83	492	69	79	1.53
16	1.15	402	92	102	2.41
25	0.727	409	120	133	3.37
35	0.524	353	149	158	5.18
50	0.387	334	184	189	7.36
70	0.268	309	230	235	10.26
95	0.193	266	281	281	13.88
120	0.153	257	327	327	17.49
150	0.124	270	373	362	21.81
185	0.0991	275	425	407	26.86
240	0.0754	254	499	476	34.78
300	0.0601	241	534	534	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XY 0.6/1(1.2) kV**SPLN 43-6/IEC 60502-1****Copper conductor, XLPE insulated and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

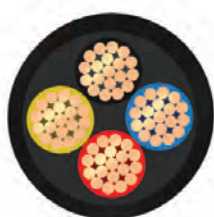
DIMENSIONAL & MECHANICAL DATA**4 Cores**

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm			Kg/Km	mm	m
1.5	1	re	0.7	1.8	13	228	210	1,000
1.5	7	rm	0.7	1.8	14	235	220	1,000
2.5	1	re	0.7	1.8	14	291	230	1,000
2.5	7	rm	0.7	1.8	14	308	250	1,000
4	1	re	0.7	1.8	15	371	260	1,000
4	7	rm	0.7	1.8	16	397	280	1,000
6	1	re	0.7	1.8	16	475	290	1,000
6	7	rm	0.7	1.8	17	507	310	1,000
10	1	re	0.7	1.8	18	671	330	1,000
10	7	rm	0.7	1.8	19	720	350	1,000
16	7	rm	0.7	1.8	22	1,013	410	1,000
25	7	rm	0.9	1.8	26	1,508	490	1,000
35	7	rm	0.9	1.8	29	1,980	550	1,000
50	19	rm	1.0	1.9	34	2,620	640	1,000
50	19	sm	1.0	1.9	29	2,182	348	1,000
70	19	rm	1.1	2.0	39	3,651	750	1,000
70	19	sm	1.1	2.0	34	3,222	670	1,000
95	19	rm	1.1	2.1	45	4,931	870	500
95	19	sm	1.1	2.1	38	4,314	750	500
120	37	rm	1.2	2.3	49	6,121	950	500
120	37	sm	1.2	2.3	42	5,356	830	500
150	37	rm	1.4	2.4	55	7,549	1,070	500
150	37	sm	1.4	2.4	47	6,628	930	500
185	37	rm	1.6	2.6	61	9,382	1,190	200
185	37	sm	1.6	2.6	52	8,216	1,020	200
240	61	rm	1.7	2.8	69	12,131	1,340	200
240	37	sm	1.7	2.8	58	10,678	1,150	200
300	61	rm	1.8	3.0	77	15,088	1,500	200
300	37	sm	1.8	3.0	64	13,229	1,270	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1.170	21	27	0.26
2.5	7.41	872	29	37	0.41
4	4.61	722	39	47	0.64
6	3.08	613	50	60	0.93
10	1.83	492	69	79	1.53
16	1.15	402	92	102	2.41
25	0.727	409	120	133	3.37
35	0.524	353	149	158	5.18
50	0.387	334	184	189	7.36
70	0.268	309	230	235	10.26
95	0.193	266	281	281	13.88
120	0.153	257	327	327	17.49
150	0.124	270	373	362	21.81
185	0.0991	275	425	407	26.86
240	0.0754	254	499	476	34.78
300	0.0601	241	534	534	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.





N2XY 0.6/1(1.2) kV

SPLN 43-6/IEC 60502-1

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

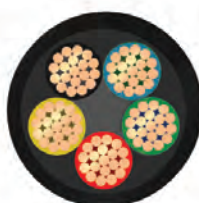
5 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-		mm		Kg/Km	mm	m
1.5	1	re	0.7	1.8	14	266	220	1,000
1.5	7	rm	0.7	1.8	14	274	230	1,000
2.5	1	re	0.7	1.8	15	335	250	1,000
2.5	7	rm	0.7	1.8	15	355	260	1,000
4	1	re	0.7	1.8	16	438	280	1,000
4	7	rm	0.7	1.8	17	467	290	1,000
6	1	re	0.7	1.8	17.5	562	300	1,000
6	7	rm	0.7	1.8	18.5	598	330	1,000
10	1	re	0.7	1.8	20	807	350	1,000
10	7	rm	0.7	1.8	21	863	340	1,000
16	7	rm	0.7	1.8	24	1,226	440	1,000
25	7	rm	0.9	1.8	29	1,843	530	1,000
35	7	rm	0.9	1.8	33	2,475	610	1,000
50	19	rm	1.0	2.0	37	3,224	690	1,000

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1.170	21	27	0.26
2.5	7.41	872	29	37	0.41
4	4.61	722	39	47	0.64
6	3.08	613	50	60	0.93
10	1.83	492	69	79	1.53
16	1.15	402	92	102	2.41
25	0.727	409	120	133	3.37
35	0.524	353	149	158	5.18
50	0.387	334	184	189	7.36

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XY 0.6/1(1.2) kV**SPLN 43-6/IEC 60502-1****Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATAControl cable 1.5 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm			Kg/Km	mm	m
6	1	re	0.7	1.8	15	298	240	500
6	7	rm	0.7	1.8	15	314	250	500
7	1	re	0.7	1.8	15	305	240	500
7	7	rm	0.7	1.8	15	324	250	500
8	1	re	0.7	1.8	16	340	250	500
8	7	rm	0.7	1.8	16	350	260	500
10	1	re	0.7	1.8	18	413	280	500
10	7	rm	0.7	1.8	19	426	290	500
12	1	re	0.7	1.8	18	457	290	500
12	7	rm	0.7	1.8	19	471	300	500
14	1	re	0.7	1.8	19	498	300	500
14	7	rm	0.7	1.8	20	512	310	500
16	1	re	0.7	1.8	20	549	310	500
16	7	rm	0.7	1.8	21	564	320	500
19	1	re	0.7	1.8	21	610	330	500
19	7	rm	0.7	1.8	21	626	340	500
21	1	re	0.7	1.8	22	662	340	500
21	7	rm	0.7	1.8	22	679	350	500
24	1	re	0.7	1.8	24	752	370	500
24	7	rm	0.7	1.8	24	772	380	500
30	1	re	0.7	1.8	25	877	390	500
30	7	rm	0.7	1.8	26	898	400	500
40	1	re	0.7	1.8	27	1,096	420	500
40	7	rm	0.7	1.8	28	1,126	440	500
52	1	re	0.7	1.8	31	2,383	470	500
52	7	rm	0.7	1.8	32	1,455	500	500
61	1	re	0.7	1.8	33	1,616	510	500
61	7	rm	0.7	1.8	34	1,653	530	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	12.1	1,170	13	17	0.26
7	12.1	1,170	11	16	0.26
8	12.1	1,170	11	16	0.26
10	12.1	1,170	10	14	0.26
12	12.1	1,170	13	14	0.26
14	12.1	1,170	9	11	0.26
16	12.1	1,170	9	11	0.26
19	12.1	1,170	8	10	0.26
21	12.1	1,170	8	10	0.26
24	12.1	1,170	7	9	0.26
30	12.1	1,170	7	9	0.26
40	12.1	1,170	6	8	0.26
52	12.1	1,170	6	8	0.26
61	12.1	1,170	5	7	0.26

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XY 0.6/1(1.2) kV

SPLN 43-6/IEC 60502-1

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 2.5 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm			Kg/Km	mm	m
6	1	re	0.7	1.8	16	386	270	500
6	7	rm	0.7	1.8	17	416	280	500
7	1	re	0.7	1.8	16	403	270	500
7	7	rm	0.7	1.8	17	427	280	500
8	1	re	0.7	1.8	17	425	280	500
8	7	rm	0.7	1.8	18	447	300	500
10	1	re	0.7	1.8	19	513	320	500
10	7	rm	0.7	1.8	20	541	340	500
12	1	re	0.7	1.8	20	576	330	500
12	7	rm	0.7	1.8	21	607	350	500
14	1	re	0.7	1.8	21	644	340	500
14	7	rm	0.7	1.8	22	679	360	500
16	1	re	0.7	1.8	22	714	350	500
16	7	rm	0.7	1.8	23	752	380	500
19	1	re	0.7	1.8	23	811	370	500
19	7	rm	0.7	1.8	24	855	390	500
21	1	re	0.7	1.8	24	882	380	500
21	7	rm	0.7	1.8	25	929	410	500
24	1	re	0.7	1.8	26	998	420	500
24	7	rm	0.7	1.8	27	1,054	450	500
30	1	re	0.7	1.8	27	1,187	460	500
30	7	rm	0.7	1.8	29	1,259	470	500
40	1	re	0.7	1.9	30	1,523	490	500
40	7	rm	0.7	1.9	33	1,653	530	500
52	1	re	0.7	2.0	35	1,973	550	500
52	7	rm	0.7	2.0	37	2,093	590	500
61	1	re	0.7	2.0	37	2,269	600	500
61	7	rm	0.7	2.0	39	2,403	620	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	7.41	872	20	24	0.41
7	7.41	872	18	22	0.41
8	7.41	872	18	22	0.41
10	7.41	872	15	18	0.41
12	7.41	872	15	18	0.41
14	7.41	872	14	16	0.41
16	7.41	872	14	16	0.41
19	7.41	872	12	14	0.41
21	7.41	872	12	14	0.41
24	7.41	872	11	13	0.41
30	7.41	872	11	13	0.41
40	7.41	872	9	10	0.41
52	7.41	872	9	10	0.41
61	7.41	872	8	9	0.41

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XY 0.6/1(1.2) kV**SPLN 43-6/IEC 60502-1****Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATAControl cable 4 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm			Kg/Km	mm	m
6	1	re	0.7	1.8	17	507	290	500
6	7	rm	0.7	1.8	18	540	310	500
7	1	re	0.7	1.8	17	531	290	500
7	7	rm	0.7	1.8	18	567	310	500
8	1	re	0.7	1.8	19	562	320	500
8	7	rm	0.7	1.8	20	595	340	500
10	1	re	0.7	1.8	21	685	350	500
10	7	rm	0.7	1.8	22	726	380	500
12	1	re	0.7	1.8	22	777	360	500
12	7	rm	0.7	1.8	23	824	390	500
14	1	re	0.7	1.8	23	876	380	500
14	7	rm	0.7	1.8	24	928	400	500
16	1	re	0.7	1.8	24	976	390	500
16	7	rm	0.7	1.8	25	1,034	420	500
19	1	re	0.7	1.8	25	1,119	410	500
19	7	rm	0.7	1.8	27	1,184	440	500
21	1	re	0.7	1.8	26	2,220	430	500
21	7	rm	0.7	1.8	28	1,296	460	500
24	1	re	0.7	1.8	29	1,394	470	500
24	7	rm	0.7	1.8	31	1,690	510	500
30	1	re	0.7	1.9	31	1,680	490	500
30	7	rm	0.7	1.9	33	1,828	540	500
40	1	re	0.7	2.0	35	2,211	560	500
40	7	rm	0.7	2.0	37	2,345	600	500
52	1	re	0.7	2.1	39	2,815	620	500
52	7	rm	0.7	2.1	42	2,997	670	500
61	1	re	0.7	2.2	41	3,248	660	500
61	7	rm	0.7	2.2	45	3,511	720	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	4.61	722	27	30	0.64
7	4.61	722	25	27	0.64
8	4.61	722	25	27	0.64
10	4.61	722	21	23	0.64
12	4.61	722	21	23	0.64
14	4.61	722	19	21	0.64
16	4.61	722	19	21	0.64
19	4.61	722	17	18	0.64
21	4.61	722	17	18	0.64
24	4.61	722	15	16	0.64
30	4.61	722	15	16	0.64
40	4.61	722	13	14	0.64
52	4.61	722	13	14	0.64
61	4.61	722	11	11	0.64

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XY 0.6/1(1.2) kV

SPLN 43-6/IEC 60502-1

Copper conductor, XLPE insulated
and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 6 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm			Kg/Km	mm	m
6	1	re	0.7	1.8	19	654	330	500
6	7	rm	0.7	1.8	20	705	350	500
7	1	re	0.7	1.8	19	697	330	500
7	7	rm	0.7	1.8	20	741	350	500
8	1	re	0.7	1.8	20	740	350	500
8	7	rm	0.7	1.8	22	780	370	500
10	1	re	0.7	1.8	23	906	390	500
10	7	rm	0.7	1.8	25	956	420	500
12	1	re	0.7	1.8	24	1,038	400	500
12	7	rm	0.7	1.8	26	1,094	430	500
14	1	re	0.7	1.8	25	1,177	420	500
14	7	rm	0.7	1.8	27	1,239	450	500
16	1	re	0.7	1.8	26	1,317	440	500
16	7	rm	0.7	1.8	28	1,393	470	500
19	1	re	0.7	1.8	28	1,524	460	500
19	7	rm	0.7	1.8	30	1,614	500	500
21	1	re	0.7	1.8	29	1,672	480	500
21	7	rm	0.7	1.8	32	1,807	530	500
24	1	re	0.7	1.8	33	1,954	530	500
24	7	rm	0.7	1.8	35	2,072	580	500
30	1	re	0.7	2.0	35	2,362	560	500
30	7	rm	0.7	2.0	37	2,500	610	500
40	1	re	0.7	2.1	39	3,064	620	500
40	7	rm	0.7	2.1	42	3,240	680	500
52	1	re	0.7	2.3	44	3,970	710	500
52	7	rm	0.7	2.3	48	4,200	770	500
61	1	re	0.7	2.4	47	4,590	750	500
61	7	rm	0.7	2.4	51	4,853	810	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	3.08	613	34	38	0.93
7	3.08	613	32	35	0.93
8	3.08	613	32	35	0.93
10	3.08	613	27	30	0.93
12	3.08	613	27	30	0.93
14	3.08	613	25	26	0.93
16	3.08	613	25	26	0.93
19	3.08	613	22	23	0.93
21	3.08	613	22	23	0.93
24	3.08	613	19	21	0.93
30	3.08	613	19	21	0.93
40	3.08	613	17	17	0.93
52	3.08	613	17	17	0.93
61	3.08	613	15	15	0.93

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

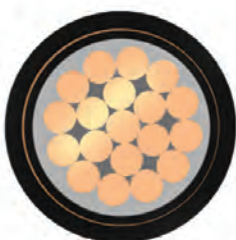
1 Core

Nominal cross-sectional area	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
10	1	re	0.7	0.1	1.4	216	340	1,000
10	7	rm	0.7	0.1	1.4	220	350	1,000
16	7	rm	0.7	0.1	1.4	275	370	1,000
25	7	rm	0.9	0.1	1.4	368	400	1,000
35	7	rm	0.9	0.1	1.4	470	450	1,000
50	19	rm	1.0	0.1	1.4	623	510	1,000
70	19	rm	1.1	0.1	1.5	853	590	1,000
95	19	rm	1.1	0.1	1.5	1,129	670	1,000
120	37	rm	1.2	0.1	1.6	1,391	740	1,000
150	37	rm	1.4	0.1	1.7	1,689	820	1,000
185	37	rm	1.6	0.1	1.7	2,089	900	1,000
240	61	rm	1.7	0.1	1.8	2,685	1,020	1,000
300	61	rm	1.8	0.1	1.9	2,316	1,130	1,000
400	61	rm	2.0	0.1	2.1	4,185	1,260	500
500	61	rm	2.2	0.1	2.2	5,216	1,400	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C				Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR		In GROUND		
			⌀	o o o	⌀	o o o	
mm ²	Ω/Km	MΩ.Km	A		A		kA
10	1.83	560	91	91	111	111	1.53
16	1.15	410	98	114	111	122	2.41
25	0.727	420	135	154	142	157	3.37
35	0.524	360	164	193	171	187	5.18
50	0.387	340	204	233	202	223	7.36
70	0.268	310	256	295	248	273	10.26
95	0.193	270	318	364	298	328	13.88
120	0.153	260	375	426	339	374	17.49
150	0.124	270	432	489	385	425	21.81
185	0.0991	280	501	567	435	475	26.86
240	0.0754	260	603	670	496	546	34.78
300	0.0601	250	693	773	567	627	43.41
400	0.0470	240	841	938	658	719	57.79
500	0.0366	230	977	1,091	748	830	72.16

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

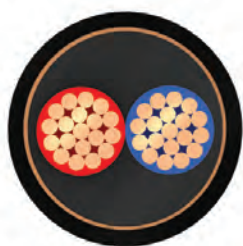
2 Cores

Nominal cross-sectional area	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.7	0.1	1.8	15	299	1,000
1.5	7	rm	0.7	0.1	1.8	15	296	1,000
2.5	1	re	0.7	0.1	1.8	15	310	1,000
2.5	7	rm	0.7	0.1	1.8	15	307	1,000
4	1	re	0.7	0.1	1.8	15	327	1,000
4	7	rm	0.7	0.1	1.8	15	328	1,000
6	1	re	0.7	0.1	1.8	15	368	1,000
6	7	rm	0.7	0.1	1.8	16	396	1,000
10	1	re	0.7	0.1	1.8	17	489	1,000
10	7	rm	0.7	0.1	1.8	18	527	1,000
16	7	rm	0.7	0.1	1.8	20	708	1,000
25	7	rm	0.9	0.1	1.8	23	1,015	1,000
35	7	rm	0.9	0.1	1.8	26	1,283	1,000
50	19	rm	1.0	0.1	1.8	29	1,682	1,000
70	19	rm	1.1	0.1	1.9	34	2,339	1,000
95	19	rm	1.1	0.1	2.0	38	3,064	1,000
120	37	rm	1.2	0.1	2.1	42	3,776	500
150	37	rm	1.4	0.1	2.2	46	4,649	500
185	37	rm	1.6	0.1	2.4	51	5,744	500
240	61	rm	1.7	0.1	2.5	58	7,409	500
300	61	rm	1.8	0.1	2.7	64	9,089	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	33	41	0.41
4	4.61	820	44	53	0.64
6	3.08	700	54	67	0.93
10	1.83	560	75	88	1.53
16	1.15	410	102	116	2.41
25	0.727	420	137	153	3.37
35	0.524	360	170	181	5.18
50	0.387	340	204	212	7.36
70	0.268	470	262	262	10.26
95	0.193	420	312	318	13.88
120	0.153	400	364	364	17.49
150	0.124	420	426	403	21.81
185	0.0991	430	489	465	26.86
240	0.0754	400	580	536	34.78
300	0.0601	380	670	597	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
metallic screened and PVC sheathed**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

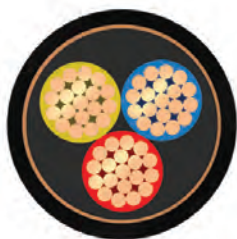
DIMENSIONAL & MECHANICAL DATA**3 Cores**

Nominal cross-sectional area	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.7	0.1	1.8	15	303	1,000
1.5	7	rm	0.7	0.1	1.8	15	300	1,000
2.5	1	re	0.7	0.1	1.8	15	320	1,000
2.5	7	rm	0.7	0.1	1.8	15	317	1,000
4	1	re	0.7	0.1	1.8	15	350	1,000
4	7	rm	0.7	0.1	1.8	16	374	1,000
6	1	re	0.7	0.1	1.8	16	429	1,000
6	7	rm	0.7	0.1	1.8	17	460	1,000
10	1	re	0.7	0.1	1.8	18	586	1,000
10	7	rm	0.7	0.1	1.8	19	627	1,000
16	7	rm	0.7	0.1	1.8	21	862	1,000
25	7	rm	0.9	0.1	1.8	25	1,253	1,000
35	7	rm	0.9	0.1	1.8	27	1,605	1,000
50	19	rm	1.0	0.1	1.8	31	2,136	1,000
50	19	sm	1.0	0.1	1.8	26	1,743	1,000
70	19	rm	1.1	0.1	1.9	36	2,987	1,000
70	19	sm	1.1	0.1	1.9	31	2,512	1,000
95	19	rm	1.1	0.1	2.1	40	3,951	500
95	19	sm	1.1	0.1	2.1	35	3,370	500
120	37	rm	1.2	0.1	2.2	45	4,942	500
120	37	sm	1.2	0.1	2.2	39	4,198	500
150	37	rm	1.4	0.1	2.3	50	6,015	500
150	37	sm	1.4	0.1	2.3	42	5,092	500
185	37	rm	1.6	0.1	2.5	55	7,519	200
185	37	sm	1.6	0.1	2.5	47	6,343	200
240	61	rm	1.7	0.1	2.7	62	9,641	200
240	37	sm	1.7	0.1	2.7	52	8,153	200
300	61	rm	1.8	0.1	2.8	68	11,871	200
300	37	sm	1.8	0.1	2.8	57	10,132	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	76	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36
70	0.268	410	227	233	10.26
95	0.193	360	278	278	13.88
120	0.153	330	324	324	17.49
150	0.124	360	370	358	21.81
185	0.0991	370	420	403	26.86
240	0.0754	350	495	472	34.78
300	0.0601	330	568	528	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

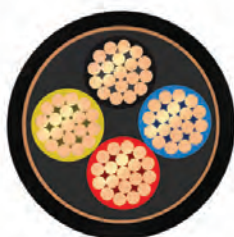
4 Cores

Nominal cross-sectional area	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.7	0.1	1.8	15	307	1,000
1.5	7	rm	0.7	0.1	1.8	15	302	1,000
2.5	1	re	0.7	0.1	1.8	15	329	1,000
2.5	7	rm	0.7	0.1	1.8	15	343	1,000
4	1	re	0.7	0.1	1.8	16	407	1,000
4	7	rm	0.7	0.1	1.8	17	435	1,000
6	1	re	0.7	0.1	1.8	17	506	1,000
6	7	rm	0.7	0.1	1.8	18	541	1,000
10	1	re	0.7	0.1	1.8	19	703	1,000
10	7	rm	0.7	0.1	1.8	20	750	1,000
16	7	rm	0.7	0.1	1.8	23	1,045	1,000
25	7	rm	0.9	0.1	1.8	27	1,534	1,000
35	7	rm	0.9	0.1	1.8	30	1,991	1,000
50	19	rm	1.0	0.1	1.9	34	2,702	1,000
50	19	sm	1.0	0.1	1.9	30	2,302	1,000
70	19	rm	1.1	0.1	2.0	40	3,741	500
70	19	sm	1.1	0.1	2.0	36	3,346	500
95	19	rm	1.1	0.1	2.2	45	5,025	500
95	19	sm	1.1	0.1	2.2	40	4,450	500
120	37	rm	1.2	0.1	2.3	50	6,224	500
120	37	sm	1.2	0.1	2.3	44	5,554	500
150	37	rm	1.4	0.1	2.5	55	7,652	200
150	37	sm	1.4	0.1	2.5	49	6,801	200
185	37	rm	1.6	0.1	2.6	61	9,487	200
185	37	sm	1.6	0.1	2.6	54	8,406	200
240	61	rm	1.7	0.1	2.9	68	12,191	200
240	37	sm	1.7	0.1	2.9	60	10,890	200
300	61	rm	1.8	0.1	3.0	76	15,141	200
300	37	sm	1.8	0.1	3.0	65	13,455	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	76	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36
70	0.268	410	227	233	10.26
95	0.193	360	278	278	13.88
120	0.153	330	324	324	17.49
150	0.124	360	370	358	21.81
185	0.0991	370	420	403	26.86
240	0.0754	350	495	472	34.78
300	0.0601	330	568	528	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
metallic screened and PVC sheathed**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA**5 Cores**

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
			Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.7	0.1	1.8	15	316	240	500
1.5	7	rm	0.7	0.1	1.8	15	316	240	500
2.5	1	re	0.7	0.1	1.8	16	375	250	500
2.5	7	rm	0.7	0.1	1.8	16	398	270	500
4	1	re	0.7	0.1	1.8	17	475	280	500
4	7	rm	0.7	0.1	1.8	18	507	300	500
6	1	re	0.7	0.1	1.8	18	602	310	500
6	7	rm	0.7	0.1	1.8	19	642	330	500
10	1	re	0.7	0.1	1.8	20	839	350	500
10	7	rm	0.7	0.1	1.8	22	893	380	500
16	7	rm	0.7	0.1	1.9	25	1,258	440	500
25	7	rm	0.9	0.1	1.9	29	1,867	530	500
35	7	rm	0.9	0.1	2.0	33	2,479	600	500
50	19	rm	1.0	0.1	2.2	38	3,312	690	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	76	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36

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N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 1.5 mm²

No of cores	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm	Kg/Km	mm	m
6	1	re	0.7	0.1	1.8	16	341	500
6	7	rm	0.7	0.1	1.8	16	359	500
7	1	re	0.7	0.1	1.8	16	349	500
7	7	rm	0.7	0.1	1.8	16	359	500
8	1	re	0.7	0.1	1.8	17	387	500
8	7	rm	0.7	0.1	1.8	17	399	500
10	1	re	0.7	0.1	1.8	19	467	500
10	7	rm	0.7	0.1	1.8	19	482	500
12	1	re	0.7	0.1	1.8	19	513	500
12	7	rm	0.7	0.1	1.8	20	528	500
14	1	re	0.7	0.1	1.8	20	557	500
14	7	rm	0.7	0.1	1.8	20	572	500
16	1	re	0.7	0.1	1.8	21	610	500
16	7	rm	0.7	0.1	1.8	21	627	500
19	1	re	0.7	0.1	1.8	21	674	500
19	7	rm	0.7	0.1	1.8	22	693	500
21	1	re	0.7	0.1	1.8	22	729	500
21	7	rm	0.7	0.1	1.8	23	748	500
24	1	re	0.7	0.1	1.8	24	826	500
24	7	rm	0.7	0.1	1.8	25	849	500
30	1	re	0.7	0.1	1.8	25	955	500
30	7	rm	0.7	0.1	1.8	26	980	500
40	1	re	0.7	0.1	1.8	28	1,186	500
40	7	rm	0.7	0.1	1.9	29	1,219	500
52	1	re	0.7	0.1	1.9	31	1,484	500
52	7	rm	0.7	0.1	2.0	33	1,563	500
61	1	re	0.7	0.1	2.0	34	1,720	500
61	7	rm	0.7	0.1	2.1	35	1,766	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	12.1	1,170	13	17	0.26
7	12.1	1,170	11	16	0.26
8	12.1	1,170	11	16	0.26
10	12.1	1,170	10	14	0.26
12	12.1	1,170	10	14	0.26
14	12.1	1,170	9	11	0.26
16	12.1	1,170	9	11	0.26
19	12.1	1,170	8	10	0.26
21	12.1	1,170	8	10	0.26
24	12.1	1,170	7	9	0.26
30	12.1	1,170	7	9	0.26
40	12.1	1,170	6	8	0.26
52	12.1	1,170	6	8	0.26
61	12.1	1,170	5	7	0.26

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N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 2.5 mm²

No of cores	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm	Kg/Km	mm	m
6	1	re	0.7	0.1	1.8	17	270	500
6	7	rm	0.7	0.1	1.8	17	280	500
7	1	re	0.7	0.1	1.8	17	270	500
7	7	rm	0.7	0.1	1.8	17	280	500
8	1	re	0.7	0.1	1.8	18	290	500
8	7	rm	0.7	0.1	1.8	19	300	500
10	1	re	0.7	0.1	1.8	20	320	500
10	7	rm	0.7	0.1	1.8	21	340	500
12	1	re	0.7	0.1	1.8	21	330	500
12	7	rm	0.7	0.1	1.8	22	350	500
14	1	re	0.7	0.1	1.8	21	340	500
14	7	rm	0.7	0.1	1.8	22	360	500
16	1	re	0.7	0.1	1.8	22	350	500
16	7	rm	0.7	0.1	1.8	23	370	500
19	1	re	0.7	0.1	1.8	23	370	500
19	7	rm	0.7	0.1	1.8	24	390	500
21	1	re	0.7	0.1	1.8	24	380	500
21	7	rm	0.7	0.1	1.8	26	410	500
24	1	re	0.7	0.1	1.8	27	420	500
24	7	rm	0.7	0.1	1.8	28	440	500
30	1	re	0.7	0.1	1.8	28	440	500
30	7	rm	0.7	0.1	1.9	30	470	500
40	1	re	0.7	0.1	1.9	31	480	500
40	7	rm	0.7	0.1	2.0	33	520	500
52	1	re	0.7	0.1	2.1	35	550	500
52	7	rm	0.7	0.1	2.1	37	580	500
61	1	re	0.7	0.1	2.1	37	580	500
61	7	rm	0.7	0.1	2.2	40	620	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	7.41	980	20	23	0.41
7	7.41	980	18	22	0.41
8	7.41	980	18	22	0.41
10	7.41	980	15	18	0.41
12	7.41	980	15	18	0.41
14	7.41	980	14	16	0.41
16	7.41	980	14	16	0.41
19	7.41	980	13	14	0.41
21	7.41	980	13	14	0.41
24	7.41	980	11	13	0.41
30	7.41	980	11	13	0.41
40	7.41	980	9	10	0.41
52	7.41	980	9	10	0.41
61	7.41	980	8	9	0.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XSY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
metallic screened and PVC sheathed

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 4 mm²

No of cores	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm	Kg/Km	mm	m
6	1	re	0.7	0.1	1.8	18	547	300
6	7	rm	0.7	0.1	1.8	19	593	320
7	1	re	0.7	0.1	1.8	18	570	300
7	7	rm	0.7	0.1	1.8	19	609	320
8	1	re	0.7	0.1	1.8	19	638	320
8	7	rm	0.7	0.1	1.8	20	682	340
10	1	re	0.7	0.1	1.8	22	782	350
10	7	rm	0.7	0.1	1.8	23	837	380
12	1	re	0.7	0.1	1.8	23	878	360
12	7	rm	0.7	0.1	1.8	24	940	390
14	1	re	0.7	0.1	1.8	23	969	680
14	7	rm	0.7	0.1	1.8	25	1,036	400
16	1	re	0.7	0.1	1.8	25	1,076	390
16	7	rm	0.7	0.1	1.8	26	1,150	420
19	1	re	0.7	0.1	1.8	26	1,212	410
19	7	rm	0.7	0.1	1.8	27	1,294	440
21	1	re	0.7	0.1	1.8	27	1,320	430
21	7	rm	0.7	0.1	1.8	28	1,415	460
24	1	re	0.7	0.1	1.9	29	1,514	470
24	7	rm	0.7	0.1	1.9	31	1,629	500
30	1	re	0.7	0.1	1.9	31	1,800	490
30	7	rm	0.7	0.1	2.0	34	1,965	530
40	1	re	0.7	0.1	2.1	35	2,331	550
40	7	rm	0.7	0.1	2.1	37	2,502	590
52	1	re	0.7	0.1	2.2	39	2,952	620
52	7	rm	0.7	0.1	2.3	42	3,168	660
61	1	re	0.7	0.1	2.3	42	3,389	650
61	7	rm	0.7	0.1	2.4	45	3,687	710

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	4.61	820	26	29	0.64
7	4.61	820	25	28	0.64
8	4.61	820	25	28	0.64
10	4.61	820	21	23	0.64
12	4.61	820	21	23	0.64
14	4.61	820	20	21	0.64
16	4.61	820	20	21	0.64
19	4.61	820	17	18	0.64
21	4.61	820	17	18	0.64
24	4.61	820	15	16	0.64
30	4.61	820	15	16	0.64
40	4.61	820	13	14	0.64
52	4.61	820	13	14	0.64
61	4.61	820	11	13	0.64

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XSY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
metallic screened and PVC sheathed**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATAControl cable 6 mm²

No of cores	No of wire and conductor shape	Nominal Thickness			Approximately		Bending diameter min	Standard delivery length
		Insulation	Copper Tape	Outer Sheath	Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm	Kg/Km	mm	m
6	1	re	0.7	0.1	1.8	19	697	500
6	7	rm	0.7	0.1	1.8	21	742	500
7	1	re	0.7	0.1	1.8	19	728	500
7	7	rm	0.7	0.1	1.8	21	776	500
8	1	re	0.7	0.1	1.8	21	817	500
8	7	rm	0.7	0.1	1.8	22	872	500
10	1	re	0.7	0.1	1.8	24	1,007	500
10	7	rm	0.7	0.1	1.8	25	1,076	500
12	1	re	0.7	0.1	1.8	25	1,140	500
12	7	rm	0.7	0.1	1.8	26	1,218	500
14	1	re	0.7	0.1	1.8	26	1,267	500
14	7	rm	0.7	0.1	1.8	27	1,351	500
16	1	re	0.7	0.1	1.8	27	1,413	500
16	7	rm	0.7	0.1	1.8	29	1,513	500
19	1	re	0.7	0.1	1.8	28	1,607	500
19	7	rm	0.7	0.1	1.9	30	1,721	500
21	1	re	0.7	0.1	1.9	29	1,762	500
21	7	rm	0.7	0.1	1.9	32	1,885	500
24	1	re	0.7	0.1	2.0	33	2,063	500
24	7	rm	0.7	0.1	2.1	35	2,204	500
30	1	re	0.7	0.1	2.1	35	2,456	500
30	7	rm	0.7	0.1	2.1	37	2,629	500
40	1	re	0.7	0.1	2.2	39	3,153	500
40	7	rm	0.7	0.1	2.3	42	3,370	500
52	1	re	0.7	0.1	2.4	44	4,062	500
52	7	rm	0.7	0.1	2.5	48	4,341	500
61	1	re	0.7	0.1	2.4	47	4,672	500
61	7	rm	0.7	0.1	2.6	50	4,993	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	3.08	700	33	37	0.93
7	3.08	700	32	36	0.93
8	3.08	700	32	36	0.93
10	3.08	700	28	30	0.93
12	3.08	700	28	30	0.93
14	3.08	700	25	26	0.93
16	3.08	700	25	26	0.93
19	3.08	700	22	23	0.93
21	3.08	700	22	23	0.93
24	3.08	700	20	21	0.93
30	3.08	700	20	21	0.93
40	3.08	700	17	18	0.93
52	3.08	700	17	18	0.93
61	3.08	700	15	16	0.93

Note : This is only general information. For other specific requirement, please contact our marketing.





N2XCY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

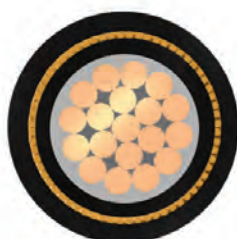
1 Core

Nominal cross-sectional area	No of wire and conductor shape	Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
		Insulation	Outer Sheath		Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm
35	7	rm	0.9	1.4	16	17	680	238
50	19	rm	1.0	1.4	25	19	904	266
70	19	rm	1.1	1.5	35	22	1232	308
95	19	rm	1.1	1.5	50	24	1635	336
120	37	rm	1.2	1.6	70	26	2090	364
150	37	rm	1.4	1.7	70	28	2395	392
185	37	rm	1.6	1.7	95	31	3005	434
240	61	rm	1.7	1.8	120	34	3825	476
300	61	rm	1.8	1.9	150	38	4760	532
400	61	rm	2.0	2.1	185	42	5931	588
500	61	rm	2.2	2.2	240	46	7508	644

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C				Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR		In GROUND		
			⌀	o o o	⌀	o o o	
mm ²	Ω/Km	MΩ.Km	A				kA
35	0.524	360	164	193	171	187	5.18
50	0.387	340	204	233	202	223	7.36
70	0.268	310	256	295	248	273	10.26
95	0.193	270	318	364	296	328	13.88
120	0.153	260	375	426	339	374	17.49
150	0.124	270	432	489	385	425	21.81
185	0.0991	280	501	567	435	475	26.86
240	0.0754	260	603	670	496	546	34.78
300	0.0601	250	693	773	557	627	43.41
400	0.0470	240	841	938	658	719	57.79
500	0.0366	230	977	1,092	748	830	72.16

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XCY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA**2 Cores**

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
1.5	1	re	0.7	1.8	1.5	16	308	250	1,000
1.5	7	rm	0.7	1.8	1.5	16	317	260	1,000
2.5	1	re	0.7	1.8	2.5	17	355	270	1,000
2.5	7	rm	0.7	1.8	2.5	17	373	280	1,000
4	1	re	0.7	1.8	4	18	428	290	1,000
4	7	rm	0.7	1.8	4	18	454	300	1,000
6	1	re	0.7	1.8	6	19	543	310	1,000
6	7	rm	0.7	1.8	6	19	545	330	1,000
10	1	re	0.7	1.8	10	21	681	350	1,000
10	7	rm	0.7	1.8	10	21	723	370	1,000
16	7	rm	0.7	1.8	16	24	969	420	1,000
25	7	rm	0.9	1.8	16	27	1,293	490	1,000
35	7	rm	0.9	1.8	16	29	1,581	540	1,000
50	19	rm	1.0	1.8	25	33	2,085	630	1,000
70	19	rm	1.1	1.9	35	28	2,819	720	1,000
95	19	rm	1.1	2.0	50	43	3,717	620	500
120	37	rm	1.2	2.1	70	47	4,629	910	500
150	37	rm	1.4	2.3	70	51	5,466	1,000	500
185	37	rm	1.6	2.4	95	57	6,820	1,100	500
240	61	rm	1.7	2.6	120	63	8,676	1,240	200
300	61	rm	1.8	2.8	150	69	10,648	1,370	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1.170	24	31	0.26
2.5	7.41	980	33	41	0.41
4	4.61	820	44	53	0.64
6	3.08	700	54	67	0.93
10	1.83	560	75	88	1.53
16	1.15	410	102	116	2.41
25	0.727	420	137	153	3.37
35	0.524	360	170	181	5.18
50	0.387	340	204	212	7.36
70	0.268	310	262	262	10.26
95	0.193	270	312	318	13.88
120	0.153	260	364	364	17.49
150	0.124	270	426	403	21.81
185	0.0991	280	489	465	26.86
240	0.0754	260	580	536	34.78
300	0.0601	250	670	597	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XCY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

3 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
1.5	1	re	0.7	1.8	1,5	16	313	250	1,000
1.5	7	rm	0.7	1.8	1,5	16	321	260	1,000
2.5	1	re	0.7	1.8	2,5	17	368	270	1,000
2.5	7	rm	0.7	1.8	2,5	17	387	280	1,000
4	1	re	0.7	1.8	4	18	454	290	1,000
4	7	rm	0.7	1.8	4	18	481	310	1,000
6	1	re	0.7	1.8	6	19	555	310	1,000
6	7	rm	0.7	1.8	6	20	588	330	1,000
10	1	re	0.7	1.8	10	21	756	360	1,000
10	7	rm	0.7	1.8	10	22	801	380	1,000
16	7	rm	0.7	1.8	16	24	1,097	430	1,000
25	7	rm	0.9	1.8	16	28	1,503	510	1,000
35	7	rm	0.9	1.8	16	30	1,877	580	1,000
50	19	rm	1.0	1.8	25	35	2,501	650	1,000
50	19	sm	1.0	1.8	25	28	2,179	392	1,000
70	19	rm	1.1	2.0	35	39	3,424	650	1,000
70	19	sm	1.1	2.0	35	35	2,954	650	1,000
95	19	rm	1.1	2.1	50	45	4,554	850	500
95	19	sm	1.1	2.1	50	39	3,946	730	500
120	37	rm	1.2	2.2	70	49	5,688	940	500
120	37	sm	1.2	2.2	70	44	4,969	830	500
150	37	rm	1.4	2.4	70	54	6,770	1,040	500
150	37	sm	1.4	2.4	70	47	5,872	890	500
185	37	rm	1.6	2.5	95	60	8,465	1,150	500
185	37	sm	1.6	2.5	95	52	7,327	980	500
240	61	rm	1.7	2.7	120	66	10,831	1,290	200
240	37	sm	1.7	2.7	120	57	9,387	1,090	200
300	61	rm	1.8	2.9	150	73	13,348	1,430	200
300	37	sm	1.8	2.9	150	63	11,590	1,190	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	78	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36
70	0.268	310	227	233	10.26
95	0.193	270	278	278	13.88
120	0.153	260	324	324	17.49
150	0.124	270	370	358	21.81
185	0.0991	280	420	403	26.86
240	0.0754	260	495	475	34.78
300	0.0601	250	568	528	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XCY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA**4 Cores**

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
1.5	1	re	0.7	1.8	1.5	16	316	250	1,000
1.5	7	rm	0.7	1.8	1.5	16	325	260	1,000
2.5	1	re	0.7	1.8	2.5	17	380	270	1,000
2.5	7	rm	0.7	1.8	2.5	17	401	280	1,000
4	1	re	0.7	1.8	4	18	481	290	1,000
4	7	rm	0.7	1.8	4	19	510	310	1,000
6	1	re	0.7	1.8	6	19	599	320	1,000
6	7	rm	0.7	1.8	6	20	636	340	1,000
10	1	re	0.7	1.8	10	21	837	370	1,000
10	7	rm	0.7	1.8	10	23	886	390	1,000
16	7	rm	0.7	1.8	16	25	1,238	440	1,000
25	7	rm	0.9	1.8	16	29	1,741	530	1,000
35	7	rm	0.9	1.8	16	32	2,207	590	1,000
50	19	rm	1.0	1.9	25	37	2,966	680	1,000
50	19	sm	1.0	1.9	25	32	2,565	448	1,000
70	19	rm	1.1	2.1	35	42	4,101	790	500
70	19	sm	1.1	2.1	35	39	3,701	720	500
95	19	rm	1.1	2.2	50	48	5,490	900	500
95	19	sm	1.1	2.2	50	43	4,960	820	500
120	37	rm	1.2	2.4	70	53	6,871	1,000	500
120	37	sm	1.2	2.4	70	48	6,200	900	500
150	37	rm	1.4	2.5	70	58	8,232	1,100	200
150	37	sm	1.4	2.5	70	52	7,446	990	200
185	37	rm	1.6	2.7	95	65	10,304	1,230	200
185	37	sm	1.6	2.7	95	58	9,295	1,100	200
240	61	rm	1.7	2.9	120	72	13,248	1,380	200
240	37	sm	1.7	2.9	120	64	11,956	1,230	200
300	61	rm	1.8	3.1	150	80	16,372	1,530	200
300	37	sm	1.8	3.1	150	70	14,792	1,350	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	78	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36
70	0.268	310	227	233	10.26
95	0.193	270	278	278	13.88
120	0.153	260	324	324	17.49
150	0.124	270	370	358	21.81
185	0.0991	280	420	403	26.86
240	0.0754	260	495	475	34.78
300	0.0601	250	568	528	43.41

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N2XCY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

5 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
1.5	1	re	0.7	1.8	1.5	16	316	250	500
1.5	7	rm	0.7	1.8	1.5	16	325	260	500
2.5	1	re	0.7	1.8	2.5	17	388	270	500
2.5	7	rm	0.7	1.8	2.5	17	410	280	500
4	1	re	0.7	1.8	4	18	501	290	500
4	7	rm	0.7	1.8	4	19	532	310	500
6	1	re	0.7	1.8	6	19	643	320	500
6	7	rm	0.7	1.8	6	20	681	340	500
10	1	re	0.7	1.8	10	22	915	370	500
10	7	rm	0.7	1.8	10	23	967	400	500
16	7	rm	0.7	1.8	16	26	1,380	460	500
25	7	rm	0.9	1.8	16	31	1,989	550	500
35	7	rm	0.9	1.9	16	34	2,589	620	500
50	19	rm	1.0	2.0	25	40	3,511	720	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,170	21	28	0.26
2.5	7.41	980	29	37	0.41
4	4.61	820	39	46	0.64
6	3.08	700	49	59	0.93
10	1.83	560	68	78	1.53
16	1.15	410	91	101	2.41
25	0.727	420	119	132	3.37
35	0.524	360	148	157	5.18
50	0.387	340	181	187	7.36

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N2XCY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATAControl cable 1.5 mm²

DIMENSIONAL & MECHANICAL DATA						CONTROL CABLE 210 mm			
No of cores	No of wire and conductor shape		Nominal Thickness		Cross- sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
6	1	re	0.7	1.8	1.5	17	352	260	500
6	7	rm	0.7	1.8	1.5	17	369	270	500
7	1	re	0.7	1.8	1.5	17	359	260	500
7	7	rm	0.7	1.8	1.5	17	369	270	500
8	1	re	0.7	1.8	1.5	18	396	280	500
8	7	rm	0.7	1.8	1.5	18	408	290	500
10	1	re	0.7	1.8	1.5	20	478	310	500
10	7	rm	0.7	1.8	1.5	20	491	320	500
12	1	re	0.7	1.8	1.5	20	522	310	500
12	7	rm	0.7	1.8	1.5	21	537	320	500
14	1	re	0.7	1.8	1.5	21	567	320	500
14	7	rm	0.7	1.8	1.5	21	582	330	500
16	1	re	0.7	1.8	1.5	22	619	340	500
16	7	rm	0.7	1.8	1.5	22	638	350	500
19	1	re	0.7	1.8	1.5	22	684	350	500
19	7	rm	0.7	1.8	1.5	22	684	350	500
21	1	re	0.7	1.8	1.5	23	701	360	500
21	7	rm	0.7	1.8	1.5	24	758	370	500
24	1	re	0.7	1.8	1.5	25	836	390	500
24	7	rm	0.7	1.8	1.5	26	857	410	500
30	1	re	0.7	1.8	1.5	26	962	410	500
30	7	rm	0.7	1.8	1.5	27	989	420	500
40	1	re	0.7	1.9	1.5	29	1,198	450	500
40	7	rm	0.7	1.9	1.5	30	1,234	470	500
52	1	re	0.7	2.0	1.5	42	1,496	500	500
52	7	rm	0.7	2.0	1.5	34	1,570	530	500
61	1	re	0.7	2.1	1.5	35	1,735	530	500
61	7	rm	0.7	2.1	1.5	36	1,782	550	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	12.1	1.170	13	17	0.26
7	12.1	1.170	11	16	0.26
8	12.1	1.170	11	16	0.26
10	12.1	1.170	10	14	0.26
12	12.1	1.170	10	14	0.26
14	12.1	1.170	9	11	0.26
16	12.1	1.170	9	11	0.26
19	12.1	1.170	8	10	0.26
21	12.1	1.170	8	10	0.26
24	12.1	1.170	7	9	0.26
30	12.1	1.170	7	9	0.26
40	12.1	1.170	6	8	0.26
50	12.1	1.170	6	8	0.26
61	12.1	1.170	5	7	0.26

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XCY 0.6/1(1.2) kV

IEC 60502-1

**Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 2.5 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
6	1	re	0.7	1.8	2.5	18	440	280	500
6	7	rm	0.7	1.8	2.5	18	465	300	500
7	1	re	0.7	1.8	2.5	18	449	280	500
7	7	rm	0.7	1.8	2.5	18	476	300	500
8	1	re	0.7	1.8	2.5	19	498	300	500
8	7	rm	0.7	1.8	2.5	20	530	320	500
10	1	re	0.7	1.8	2.5	21	605	330	500
10	7	rm	0.7	1.8	2.5	22	642	350	500
12	1	re	0.7	1.8	2.5	22	669	340	500
12	7	rm	0.7	1.8	2.5	23	713	360	500
14	1	re	0.7	1.8	2.5	22	732	350	500
14	7	rm	0.7	1.8	2.5	23	777	370	500
16	1	re	0.7	1.8	2.5	23	806	370	500
16	7	rm	0.7	1.8	2.5	24	858	390	500
19	1	re	0.7	1.8	2.5	24	899	380	500
19	7	rm	0.7	1.8	2.5	25	956	400	500
21	1	re	0.7	1.8	2.5	25	975	400	500
21	7	rm	0.7	1.8	2.5	27	1,038	420	500
24	1	re	0.7	1.8	2.5	28	1,107	430	500
24	7	rm	0.7	1.9	2.5	30	1,185	460	500
30	1	re	0.7	1.9	2.5	29	1,301	450	500
30	7	rm	0.7	1.9	2.5	31	1,392	480	500
40	1	re	0.7	2.0	2.5	32	1,643	500	500
40	7	rm	0.7	2.0	2.5	34	1,792	540	500
52	1	re	0.7	2.1	2.5	36	2,102	560	500
52	7	rm	0.7	2.2	2.5	38	2,249	600	500
61	1	re	0.7	2.2	2.5	38	2,401	590	500
61	7	rm	0.7	2.2	2.5	41	2,568	630	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	7.41	980	20	23	0.41
7	7.41	980	18	22	0.41
8	7.41	980	18	22	0.41
10	7.41	980	15	18	0.41
12	7.41	980	15	18	0.41
14	7.41	980	14	16	0.41
16	7.41	980	14	16	0.41
19	7.41	980	13	14	0.41
21	7.41	980	13	14	0.41
24	7.41	980	11	13	0.41
30	7.41	980	11	13	0.41
40	7.41	980	9	10	0.41
50	7.41	980	9	10	0.41
61	7.41	980	8	9	0.41

Note : This is only general information. For other specific requirement, please contact our marketing.

N2XCY 0.6/1(1.2) kV**IEC 60502-1****Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATAControl cable 4 mm²

No of cores	No of wire and conductor shape	Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
		Insulation	Outer Sheath		Overall Diameter	Net Weight		
pcs	pcs -	mm	mm	mm ²	mm	Kg/Km	mm	m
6	1 re	0.7	1.8	4	19	570	310	500
6	7 rm	0.7	1.8	4	20	625	330	500
7	1 re	0.7	1.8	4	19	594	310	500
7	7 rm	0.7	1.8	4	20	631	330	500
8	1 re	0.7	1.8	4	20	659	330	500
8	7 rm	0.7	1.8	4	21	701	350	500
10	1 re	0.7	1.8	4	23	798	370	500
10	7 rm	0.7	1.8	4	24	851	390	500
12	1 re	0.7	1.8	4	24	893	380	500
12	7 rm	0.7	1.8	4	25	953	400	500
14	1 re	0.7	1.8	4	24	982	390	500
14	7 rm	0.7	1.8	4	26	1,047	420	500
16	1 re	0.7	1.8	4	26	1,088	410	500
16	7 rm	0.7	1.8	4	27	1,159	440	500
19	1 re	0.7	1.8	4	27	1,222	430	500
19	7 rm	0.7	1.8	4	28	1,309	450	500
21	1 re	0.7	1.8	4	28	1,330	440	500
21	7 rm	0.7	1.9	4	30	1,427	470	500
24	1 re	0.7	1.9	4	31	1,528	480	500
24	7 rm	0.7	2.0	4	33	1,624	520	500
30	1 re	0.7	2.0	4	32	1,812	510	500
30	7 rm	0.7	2.1	4	35	1,980	550	500
40	1 re	0.7	2.1	4	36	2,345	570	500
40	7 rm	0.7	2.2	4	39	2,516	610	500
52	1 re	0.7	2.2	4	40	2,967	630	500
52	7 rm	0.7	2.3	4	43	3,184	680	500
61	1 re	0.7	2.3	4	43	3,403	670	500
61	7 rm	0.7	2.4	4	46	3,703	720	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	4.61	820	26	29	0.64
7	4.61	820	25	28	0.64
8	4.61	820	25	28	0.64
10	4.61	820	21	23	0.64
12	4.61	820	21	23	0.64
14	4.61	820	20	21	0.64
16	4.61	820	20	21	0.64
19	4.61	820	17	18	0.64
21	4.61	820	17	18	0.64
24	4.61	820	15	16	0.64
30	4.61	820	15	16	0.64
40	4.61	820	13	14	0.64
50	4.61	820	13	14	0.64
61	4.61	820	11	13	0.64

Note : This is only general information. For other specific requirement, please contact our marketing.



N2XCY 0.6/1(1.2) kV

IEC 60502-1

Copper conductor, XLPE insulated,
Metallic wire screened and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

Control cable 6 mm²

No of cores	No of wire and conductor shape		Nominal Thickness		Cross-sectional area of screen	Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath		Overall Diameter	Net Weight		
pcs	pcs	-	mm	mm	mm ²	mm	Kg/Km	mm	m
6	1	re	0.7	1.8	6	20	736	340	500
6	7	rm	0.7	1.8	6	22	779	360	500
7	1	re	0.7	1.8	6	20	768	340	500
7	7	rm	0.7	1.8	6	22	813	360	500
8	1	re	0.7	1.8	6	22	853	360	500
8	7	rm	0.7	1.8	6	23	905	390	500
10	1	re	0.7	1.8	6	25	1037	410	500
10	7	rm	0.7	1.8	6	26	1104	430	500
12	1	re	0.7	1.8	6	26	1170	420	500
12	7	rm	0.7	1.8	6	27	1244	440	500
14	1	re	0.7	1.8	6	27	1294	430	500
14	7	rm	0.7	1.8	6	28	1,380	460	500
16	1	re	0.7	1.8	6	28	1,441	450	500
16	7	rm	0.7	1.9	6	30	1,539	480	500
19	1	re	0.7	1.9	6	29	1,636	470	500
19	7	rm	0.7	1.9	6	31	1,745	510	500
21	1	re	0.7	1.9	6	31	1,788	490	500
21	7	rm	0.7	2.0	6	33	1,908	530	500
24	1	re	0.7	2.0	6	34	2,078	540	500
24	7	rm	0.7	2.1	6	36	2,220	580	500
30	1	re	0.7	2.1	6	36	2,475	570	500
30	7	rm	0.7	2.2	6	38	2,643	610	500
40	1	re	0.7	2.2	6	40	3,168	630	500
40	7	rm	0.7	2.3	6	43	3,384	680	500
52	1	re	0.7	2.4	6	45	4,078	710	500
52	7	rm	0.7	2.5	6	49	4,359	770	500
61	1	re	0.7	2.5	6	48	4,689	750	500
61	7	rm	0.7	2.6	6	51	5,010	810	500

ELECTRICAL DATA

No of cores	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
pcs	Ω/Km	MΩ.Km	A		kA
6	3.08	700	33	37	0.93
7	3.08	700	32	36	0.93
8	3.08	700	32	36	0.93
10	3.08	700	28	30	0.93
12	3.08	700	28	30	0.93
14	3.08	700	25	26	0.93
16	3.08	700	25	26	0.93
19	3.08	700	22	23	0.93
21	3.08	700	22	23	0.93
24	3.08	700	20	21	0.93
30	3.08	700	20	21	0.93
40	3.08	700	17	18	0.93
50	3.08	700	17	18	0.93
61	3.08	700	15	16	0.93

Note : This is only general information. For other specific requirement, please contact our marketing.

CV 600 Volt

JIS C 3605

Copper conductor, XLPE insulated
and PVC sheathed cable

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

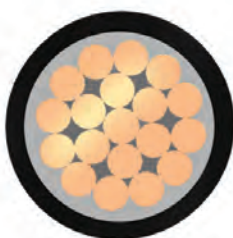
1 Core

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.8	1.5	7	51	150	1,000
1.5	7	rm	0.8	1.5	7	52	160	1,000
2.5	1	re	0.8	1.5	7	65	170	1,000
2.5	7	rm	0.8	1.5	7	68	180	1,000
4	1	re	0.8	1.5	8	83	190	1,000
4	7	rm	0.8	1.5	8	87	200	1,000
6	1	re	1.0	1.5	9	111	220	1,000
6	7	rm	1.0	1.5	9	117	230	1,000
10	1	re	1.0	1.5	9	156	250	1,000
10	7	rm	1.0	1.5	10	164	270	1,000
16	1	re	1.0	1.5	10	218	290	1,000
16	7	rm	1.0	1.5	11	229	310	1,000
25	7	rm	1.2	1.5	13	236	370	1,000
35	7	rm	1.2	1.5	14	439	420	1,000
50	19	rm	1.5	1.5	16	579	490	1,000
70	19	rm	2.0	1.5	19	822	580	1,000
95	19	rm	2.0	1.5	21	1,088	660	1,000
120	37	rm	2.0	1.5	22	1,335	720	1,000
150	37	rm	2.0	1.6	24	1,615	790	1,000
185	37	rm	2.5	1.7	27	2,038	890	1,000
240	61	rm	2.5	1.8	30	2,622	1,010	1,000
300	61	rm	2.5	1.9	33	3,239	1,110	1,000
400	61	rm	2.5	2.0	36	4,077	1,240	500
500	61	rm	3.0	2.2	41	5,156	1,390	500

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C				Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR		In GROUND		
							
mm ²	Ω/Km	MΩ.Km	A				kA
1.5	12.1	1,280	26	23	46	33	0.26
2.5	7.41	1,060	34	30	48	43	0.41
4	4.61	890	45	39	51	55	0.64
6	3.08	900	49	51	78	68	0.93
10	1.83	740	80	69	103	91	1.53
16	1.15	610	109	94	134	118	2.41
25	0.727	520	149	128	173	152	3.37
35	0.524	450	185	159	207	183	5.18
50	0.387	480	231	199	244	217	7.36
70	0.268	520	291	251	298	266	10.26
95	0.193	450	368	317	356	318	13.88
120	0.153	410	431	371	404	363	17.49
150	0.124	370	498	427	452	405	21.81
185	0.0991	410	581	501	509	458	26.86
240	0.0754	360	699	601	590	531	34.78
300	0.0601	330	812	694	665	597	43.41
400	0.0470	290	958	812	758	676	57.79
500	0.0366	310	1,113	938	850	755	72.16

Note : This is only general information. For other specific requirement, please contact our marketing.





CV 600 Volt

JIS C 3605

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

2 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.8	1.5	12	175	190	1,000
1.5	7	rm	0.8	1.5	12	181	200	1,000
2.5	1	re	0.8	1.5	13	215	210	1,000
2.5	7	rm	0.8	1.5	13	229	220	1,000
4	1	re	0.8	1.5	14	226	230	1,000
4	7	rm	0.8	1.5	14	286	250	1,000
6	1	re	1.0	1.5	16	356	270	1,000
6	7	rm	1.0	1.5	16	383	290	1,000
10	1	re	1.0	1.5	17	477	300	1,000
10	7	rm	1.0	1.5	18	518	330	1,000
16	1	re	1.0	1.5	19	643	350	1,000
16	7	rm	1.0	1.5	20	699	380	1,000
25	7	rm	1.2	1.5	24	1,011	450	1,000
35	7	rm	1.2	1.6	26	1,301	500	1,000
50	219	rm	1.5	1.9	31	1,746	590	1,000
70	19	rm	2.0	2.2	38	2,569	720	1,000
95	19	rm	2.0	2.2	42	3,298	810	500
120	37	rm	2.0	2.2	46	4,024	890	500
150	37	rm	2.0	2.4	49	4,799	970	500
185	37	rm	2.5	2.7	56	6,160	1,100	200
240	61	rm	2.5	2.9	62	7,793	1,240	200
300	61	rm	2.5	3.1	68	9,473	1,360	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,280	25	30	0.26
2.5	7.41	960	33	40	0.41
4	4.61	798	44	52	0.64
6	3.08	813	57	66	0.93
10	1.83	660	78	88	1.53
16	1.15	544	105	117	2.41
25	0.727	523	141	153	3.37
35	0.524	454	173	184	5.18
50	0.387	479	209	217	7.36
70	0.268	522	264	270	10.26
95	0.193	454	321	320	13.88
120	0.153	409	372	366	17.49
150	0.124	373	426	412	21.81
185	0.0991	412	481	462	26.86
240	0.0754	361	565	534	34.78
300	0.0601	326	644	600	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.





CV 600 Volt

JIS C 3605

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

3 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.8	1.5	12	194	200	1,000
1.5	7	rm	0.8	1.5	13	201	200	1,000
2.5	1	re	0.8	1.5	13	245	220	1,000
2.5	7	rm	0.8	1.5	14	260	230	1,000
4	1	re	0.8	1.5	14	309	240	1,000
4	7	rm	0.8	1.5	15	331	260	1,000
6	1	re	1.0	1.5	16	420	280	1,000
6	7	rm	1.0	1.5	17	449	300	1,000
10	1	re	1.0	1.5	18	578	320	1,000
10	7	rm	1.0	1.5	19	622	340	1,000
16	1	re	1.0	1.5	20	796	360	1,000
16	7	rm	1.0	1.5	22	856	390	1,000
25	7	rm	1.2	1.5	25	1,256	470	1,000
35	7	rm	1.2	1.7	28	1,647	530	1,000
50	87	rm	1.5	1.9	33	2,234	630	1,000
70	19	rm	2.0	2.3	41	3,242	760	1,000
95	19	rm	2.0	2.3	45	4,260	860	500
120	19	rm	2.0	2.3	49	5,156	940	500
150	37	rm	2.0	2.6	53	6,199	1,020	500
185	37	rm	2.5	2.8	60	7,892	1,160	200
240	61	rm	2.5	3.0	67	10,037	1,300	200
300	61	rm	2.5	3.3	73	12,381	1,430	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,280	21	28	0.26
2.5	7.41	960	29	35	0.41
4	4.61	798	39	45	0.64
6	3.08	813	50	57	0.93
10	1.83	660	68	77	1.53
16	1.15	544	92	101	2.41
25	0.727	523	124	133	3.37
35	0.524	454	151	159	5.18
50	0.387	479	184	188	7.36
70	0.268	522	232	233	10.26
95	0.193	454	279	276	13.88
120	0.153	409	327	316	17.49
150	0.124	373	369	352	21.81
185	0.0991	412	426	399	26.86
240	0.0754	361	506	461	34.78
300	0.0601	326	573	518	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.





CV 600 Volt

JIS C 3605

**Copper conductor, XLPE insulated
and PVC sheathed cable**

Main Uses : Uses for indoor, in Duct installation for laying in the ground, where not sustain mechanical damage.

DIMENSIONAL & MECHANICAL DATA

4 Cores

Nominal cross-sectional area	No of wire and conductor shape		Nominal Thickness		Approximately		Bending diameter min	Standard delivery length
			Insulation	Outer Sheath	Overall Diameter	Net Weight		
mm ²	pcs	-	mm	mm	mm	Kg/Km	mm	m
1.5	1	re	0.8	1.5	13	223	210	1,000
1.5	7	rm	0.8	1.5	13	230	220	1,000
2.5	1	re	0.8	1.5	14	285	230	1,000
2.5	7	rm	0.8	1.5	15	302	250	1,000
4	1	re	0.8	1.5	15	365	260	1,000
4	7	rm	0.8	1.5	16	391	270	1,000
6	1	re	1.0	1.5	18	501	300	1,000
6	7	rm	1.0	1.5	19	534	320	1,000
10	1	re	1.0	1.5	20	599	340	1,000
10	7	rm	1.0	1.5	21	751	370	1,000
16	1	re	1.0	1.5	22	977	390	1,000
16	7	rm	1.0	1.5	23	1,046	420	1,000
25	7	rm	1.2	1.6	28	1,559	510	1,000
35	7	rm	1.2	1.8	31	2,053	570	1,000
50	19	rm	1.5	2.1	37	2,799	680	1,000
70	19	rm	2.0	2.5	45	4,109	830	500
95	19	rm	2.0	2.5	50	5,348	930	500
120	37	rm	2.0	2.5	54	6,553	1,020	500
150	37	rm	2.0	2.8	59	7,881	1,110	300
185	37	rm	2.5	3.1	67	9,963	1,260	300
240	61	rm	2.5	3.3	74	12,776	1,420	250
300	61	rm	2.5	3.6	81	15,658	1,560	200

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min	In AIR	In GROUND	
mm ²	Ω/Km	MΩ.Km	A		kA
1.5	12.1	1,280	21	28	0.26
2.5	7.41	960	29	35	0.41
4	4.61	798	39	45	0.64
6	3.08	813	50	57	0.93
10	1.83	660	68	77	1.53
16	1.15	544	92	101	2.41
25	0.727	523	124	133	3.37
35	0.524	454	151	159	5.18
50	0.387	479	184	188	7.36
70	0.268	522	232	233	10.26
95	0.193	454	279	276	13.88
120	0.153	409	327	316	17.49
150	0.124	373	369	352	21.81
185	0.0991	412	426	399	26.86
240	0.0754	361	506	461	34.78
300	0.0601	326	573	518	43.41

Note : This is only general information. For other specific requirement, please contact our marketing.

NF2X/NFA2X 0.6/1(1.2) kV

SPLN 42-10

Twisted XLPE Insulated Cable

Main Uses : Aerial secondary distribution service at 1 kV or less , either overhead distribution street lighting.



DIMENSIONAL & MECHANICAL DATA

2 Cores

DIMENSIONAL & MECHANICAL DATA						2 CORE	
Nominal cross-sectional area	No of wire	Nominal Insulation Thickness	Approximately			Bending diameter min	Standard delivery length
			Overall Diameter	Net Weight			
				NF2X	NFA2X		
mm ²	pcs	mm	mm	Kg/Km		mm	mm ²
6	7	1.2	12	146	-	220	1,000
10	7	1.2	14	227	100	260	1,000
16	7	1.2	16	348	145	310	1,000

4 Cores

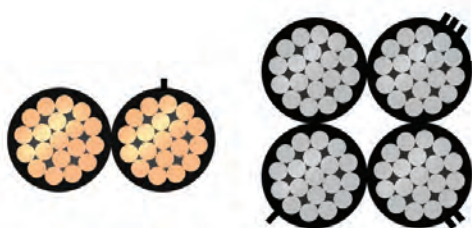
Nominal cross-sectional area	No of wire	Nominal Insulation Thickness	Approximately			Bending diameter min	Standard delivery length
			Overall Diameter	Net Weight			
				NF2X	NFA2X		
mm ²	pcs	mm	mm	Kg/Km		mm	mm ²
6	7	1.2	14	293	-	220	1,000
10	7	1.2	17	454	201	260	1,000
16	7	1.2	19	695	290	310	1,000
25	7	1.4	23	1.068	438	440	1,000
35	7	1.6	27	-	605	520	1,000

ELECTRICAL DATA

2 & 4 Cores

Nominal cross-sectional area	Resistance at 20°C			Current Carrying Capacity at 30°C		Short circuit current of conductor at 1.0 sec	
	DC conductor max		Insulation min				
	NF2X	NFA2X		NF2X	NFA2X	NF2X	NFA2X
mm ²	Ω/Km		MΩ.Km	A		kA	
6	3.08	-	930	54	-	0.93	-
10	1.83	3.09	760	73	54	1.53	1.03
16	1.15	1.91	630	97	72	2.41	1.61
25	0.727	1.20	600	133	102	3.73	2.49
35	-	0.868	580	-	125	-	3.45

Note : This is only general information. For other specific requirement, please contact our marketing.





NFA2X-T 0.6/1(1.2) kV

SPLN 42-10

**Twisted XLPE insulated cable
with neutral messenger**

Main Uses : Aerial secondary distribution service at 1 kV or less ,either overhead
distribution street lighting.

DIMENSIONAL & MECHANICAL DATA

2 Cores

Nominal cross-sectional area		No of wire		Nominal Thickness		Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard length
Phase	Neutral	Phase	Neutral	Phase	Neutral	Overall Diameter	Net Weight			
mm ²	mm ²	pcs	pcs	mm	mm	mm	Kg/Km	Kgf	mm	m
25	25	7	7	1.4	1.4	20	329	712	380	500
35	25	7	7	1.6	1.4	24	412	712	470	500
50	35	7	7	1.6	1.6	28	561	997	550	500
70	50	19	7	1.8	1.6	33	757	1,395	650	500
95	70	19	19	2.0	1.8	37	1,012	1,932	740	500

ELECTRICAL DATA

Nominal cross-sectional area		Resistance at 20°C				Current Carrying Capacity at 30°C	Short circuit current of conductor at 1.0 sec
		Max. DC Conductor		Minimum Insulation			
Phase	Neutral	Phase	Neutral	Phase	Neutral		
mm ²	mm ²	Ω/Km		MΩ.Km		A	A
25	25	1.20	1.38	600	590	103	2.49
35	25	0.868	1.38	580	690	125	3.45
50	35	0.641	0.986	500	580	154	4.89
70	50	0.443	0.690	470	490	196	6.81
95	70	0.320	0.450	450	470	242	9.19

Note : This is only general information. For other specific requirement, please contact our marketing.



NFA2X-T 0.6/1(1.2) kV

SPLN 42-10

Twisted XLPE insulated cable
with neutral messengerMain Uses : Aerial secondary distribution service at 1 kV or less , either overhead
distribution street lighting.

DIMENSIONAL & MECHANICAL DATA

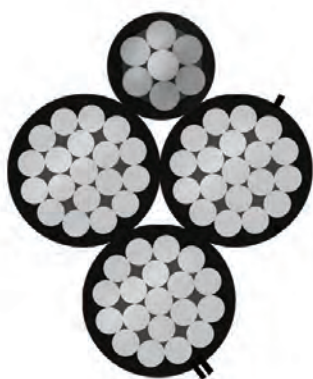
3 Cores

Nominal cross-sectional area		No of wire		Nominal Thickness		Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard length
Phase	Neutral	Phase	Neutral	Phase	Neutral	Overall Diameter	Net Weight			
mm ²	mm ²	pcs	pcs	mm	mm	mm	Kg/Km	Kgf	mm	m
25	25	7	7	1.4	1.4	23	438	712	440	500
35	25	7	7		1.4	27	564	712	420	500
50	35	7	7	1.6	1.6	31	765	997	600	500
70	50	19	7	1.8	1.6	36	1,033	1,395	700	500
95	70	19	19	2.0	1.8	42	1,380	1,932	810	500

ELECTRICAL DATA

Nominal cross-sectional area		Resistance at 20°C				Current Carrying Capacity at 30°C	Short circuit current of conductor at 1.0 sec
		Max. DC Conductor		Minimum Insulation			
Phase	Neutral	Phase	Neutral	Phase	Neutral		
mm ²	mm ²	Ω/Km		MΩ.Km		A	A
25	25	1.20	1.38	600	590	103	2.49
35	25	0.868	1.38	580	690	125	3.45
50	35	0.641	0.986	500	580	154	4.89
70	50	0.443	0.690	470	490	196	6.81
95	70	0.320	0.450	450	470	242	9.19

Note : This is only general information. For other specific requirement, please contact our marketing.



NFA2X-T 0.6/1(1.2) kV

SPLN 42-10

**Twisted XLPE insulated cable
with neutral messenger**

Main Uses : Aerial secondary distribution service at 1 kV or less ,either overhead
distribution street lighting.



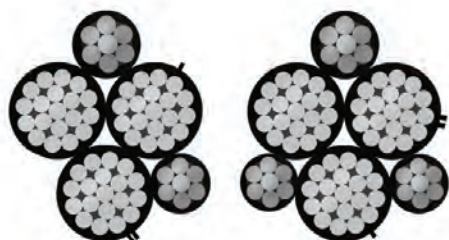
DIMENSIONAL & MECHANICAL DATA

Nominal cross-sectional area	Nominal Insulation Thickness			Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard length
	Phase	Neutral	Lighting	Overall Diameter	Net Weight			
mm ²	mm			mm	Kg/Km	Kgf	mm	m
3 x 25 + 25 + 1 x 16	1.4	1.4	1.2	23	511	712	440	500
3 x 35 + 25 + 1 x 16	1.6	1.4	1.2	27	636	712	520	500
3 x 50 + 35 + 1 x 16	1.6	1.6	1.2	31	837	997	590	500
3 x 70 + 50 + 1 x 16	1.8	1.6	1.2	36	1,106	1,395	700	500
3 x 95 + 70 + 1 x 16	2.0	1.8	1.2	42	1,452	1,932	810	500
3 x 25 + 25 + 2 x 16	1.4	1.4	1.2	23	583	712	440	500
3 x 35 + 25 + 2 x 16	1.6	1.4	1.2	27	709	712	520	500
3 x 50 + 35 + 2 x 16	1.6	1.6	1.2	31	837	997	590	500
3 x 70 + 50 + 2 x 16	1.8	1.6	1.2	36	1,106	1,395	700	500
3 x 95 + 70 + 2 x 16	2.0	1.8	1.2	42	1,452	1,932	810	500

ELECTRICAL DATA

Nominal cross sectional area			Resistance at 20°C						Current Carrying Capacity at 30°C		Short circuit current at 1.0 sec
			Max. DC Conductor			Minimum Insulation					
Phase	Neutral	Lighting	Phase	Neutral	Lighting	Phase	Neutral	Lighting	Phase	Lighting	
mm²			Ω/Km			MΩ.Km			A		
25	25	16	1,20	1,38	1.91	600	590	630	103	72	2.49
35	25	16	0.868	1,38	1.91	580	690	630	125	72	3.45
50	35	16	0.641	0,986	1.91	500	580	630	154	72	4.89
70	50	16	0.443	0,690	1.91	470	490	630	196	72	6.81
95	70	16	0.320	0,450	1.91	450	470	630	242	72	9.19

Note : This is only general information. For other specific requirement, please contact our marketing.



DUPLEX 0.6/1(1.2) kV

SII 1039

Aluminium conductor, XLPE insulated
with neutral messenger



With AAC neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral	Phase		Overall diameter	Net weight			
AAAC	AAC							
mm²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
16	16	7	1.2	16	121	210	320	1,000
25	25	7	1.4	20	195	490	400	1,000
35	35	7	1.6	22	243	590	450	1,000
50	50	19	1.6	25	309	810	500	1,000

With AAAC neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral	Phase		Overall diameter	Net weight			
AAAC	AAC							
mm ²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
25	16	7	1.4	20	195	790	400	1,000
35	25	7	1.6	22	243	980	450	1,000
50	35	19	1.6	25	309	1,410	500	1,000

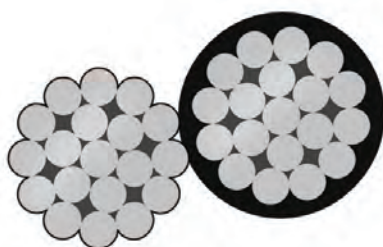
With ACSR neutral messenger

Nominal Conductor area			No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral		Phase		Overall diameter	Net weight			
AAAC	ACSR								
	AAC	Steel							
	mm ²	mm ²	pcs	mm	mm	Kg/Km	Kgf	mm	m
16	16	2,5	7	1.2	16	137	600	320	1,000
25	25	4	7	1.4	20	216	930	400	1,000
35	35	6	7	1.6	22	288	1,290	450	1,000
50	50	30	19	1.8	25	564	4,460	500	1,000

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20°C		Current Carrying Capacity at 30°C	Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min		
mm ²	Ω/Km	MΩ.Km	A	kA
16	1.91	620	100	1.61
25	1.20	570	132	2.49
35	0.868	580	166	3.45
50	0.641	510	210	4.89

Note : This is only general information. For other specific requirement, please contact our marketing.



TRIPLEX 0.6/1 kV

SII 1039

Aluminium conductor, XLPE insulated
with neutral messenger



With AAC neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral	Phase		Overall diameter	Net weight			
AAAC	AAC							
mm ²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
16	16	7	1.2	16	197	310	330	1,000
25	25	7	1.4	22	316	490	420	1,000
35	35	7	1.6	24	394	590	470	1,000
50	50	19	1.6	27	496	835	530	1,000
70	70	19	1.8	33	796	1,040	660	1,000
95	95	19	1.8	36	961	1,560	730	1,000
120	120	19	1.8	39	1,143	1,890	790	1,000

With AAAC neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Apprximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral	Phase		Overall diameter	Net weight			
AAAC	AAC							
mm ²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
-	-	-	-	-	-	-	-	-
25	25	7	1.4	22	316	790	420	1,000
35	35	7	1.6	24	393	980	470	1,000
50	50	19	1.6	27	492	1.300	530	1,000
70	70	19	1.8	33	796	2.150	660	1,000
95	95	19	1.8	36	961	2.660	730	1,000
120	120	19	1.8	39	1.143	3.220	790	1.000

With ACSR neutral messenger

Nominal cross sectional area			No of wire	Nominal Insulation Thickness	Apprximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral		Phase		Overall diameter	Net weight			
AAAC	ACSR	Steel							
	AAC	Steel	pcs	mm	mm	Kg/Km	Kgf	mm	m
	mm²	mm²							
16	16	2.5	7	1.2	18	213	5,950	330	1,000
25	25	4	7	1.4	22	337	9,200	420	1,000
35	35	6	7	1.6	24	439	12,650	470	1,000
50	50	30	19	1.6	27	751	43,800	530	1,000
70	70	12	19	1.8	33	872	26,800	660	1,000
95	95	15	19	1.8	36	1,089	35,750	730	1,000
120	120	20	19	1.8	39	1,327	45,650	790	1,000



ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C	Short circuit current of conductor at 1.0 sec
	DC conductor max	Insulation min		
mm ²	Ω/Km	MΩ.Km	A	kA
16	1.91	620	83	1.61
25	1.20	570	109	2.49
35	0.868	580	135	3.45
50	0.641	510	171	4.89
70	0.443	460	211	6.81
95	0.320	420	258	9.19
120	0.253	380	296	11.58

Note : This is only general information. For other specific requirement, please contact our marketing.

QUADRUPLEX 0.6/1 kV

SII 1039

Aluminium conductor, XLPE insulated
with neutral messenger

With AAC neutral messenger

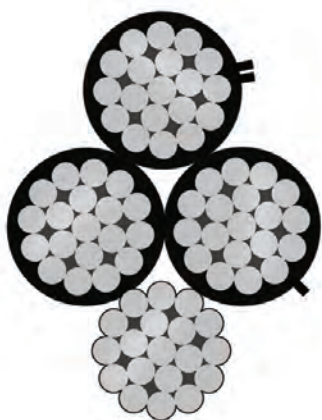
Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral			Overall diameter	Net weight			
AAAC	AAC	Phase						
mm ²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
-	-	-	-	-	-	-	-	-
25	25	7	1.4	24	436	490	460	1,000
35	35	7	1.6	27	543	590	510	1,000
50	50	19	1.6	30	682	835	580	1,000
70	70	19	1.8	37	1,089	1,040	720	1,000
95	95	19	1.8	41	1,314	1,560	790	1,000
120	120	19	1.8	44	1,560	1,890	860	1,000

With AAAC neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral			Overall diameter	Net weight			
AAAC	AAC	Phase						
mm ²	mm	pcs	mm	mm	Kg/Km	Kgf	mm	m
-	-	-	-	-	-	-	-	-
25	25	7	1.4	24	436	790	460	1,000
35	35	7	1.6	27	543	980	510	1,000
50	50	19	1.6	30	682	1,300	580	1,000
70	70	19	1.8	37	1,089	2,150	720	1,000
95	95	19	1.8	41	1,314	2,650	790	1,000
120	120	19	1.8	44	1,60	3,220	860	1,000

With ACSR neutral messenger

Nominal cross sectional area		No of wire	Nominal Insulation Thickness	Approximately		Min. Calc. Breaking Load	Bending diameter min	Standard Length
Phase	Neutral			Overall diameter	Net weight			
AAAC	ACSR	Phase						
mm ²	mm ²	pcs	mm	mm	Kg/Km	Kgf	mm	m
16	16	2.5	7	1.2	20	288	5,950	1,000
25	25	4	7	1.4	24	457	9,200	1,000
35	35	6	7	1.6	27	588	12,650	1,000
50	50	30	19	1.6	30	936	43,800	1,000
70	70	12	19	1.8	37	1,165	26,800	1,000
95	95	15	19	1.8	41	1,440	35,750	1,000
120	120	20	19	1.8	44	1,743	45,650	1,000



Note : This is only general information. For other specific requirement, please contact our marketing.



AAAC-S

SPLN 41-10

All Aluminium Alloy Conductor with XLPE Covered

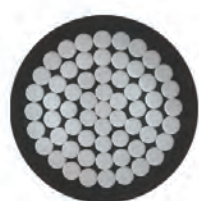
Dimensional Data

Nominal cross sectional area	Aluminium conductor		Nominal thickness of XLPE covered	Approx. overall diameter	Approx. weight of product	Standard delivery length
	No/Diameter of wire	Nominal diameter				
mm ²	pcs/mm	mm	mm	mm	kg/km	m
35	7/2.5	7.5	3.0	13.5	195	3,000
50	19/1.75	8.75	3.0	14.8	236	3,000
70	19/2.25	11.25	3.0	17.3	344	3,000
95	19/2.5	12.5	3.0	18.5	407	3,000
120	19/2.75	13.75	3.0	19.8	475	2,000
150	19/3.25	16.25	3.0	22.3	636	2,000
150	37/2.25	15.75	3.0	21.8	587	2,000
185	37/2.5	17.5	3.0	23.5	702	2,000
240	61/2.25	20.25	3.0	26.3	898	2,000

Mechanical & Electrical Data

Nominal cross-sectional area	DC conductor resistance at 20 °C max.	Current carrying capacity in air, max.		Calculated breaking load, min.
		At 30 °C	At 40 °C	
mm ²	Ω/km	A		kg
35	0.958	167	150	980
50	0.724	200	180	1,300
70	0.438	275	246	2,150
95	0.355	215	282	2,660
120	0.293	356	319	3,220
150	0.210	378	378	4,490
150	0.225	378	378	4,190
185	0.183	423	423	5,170
240	0.139	523	523	6,910

Note : This is only general information. For other specific requirement, please contact our marketing.

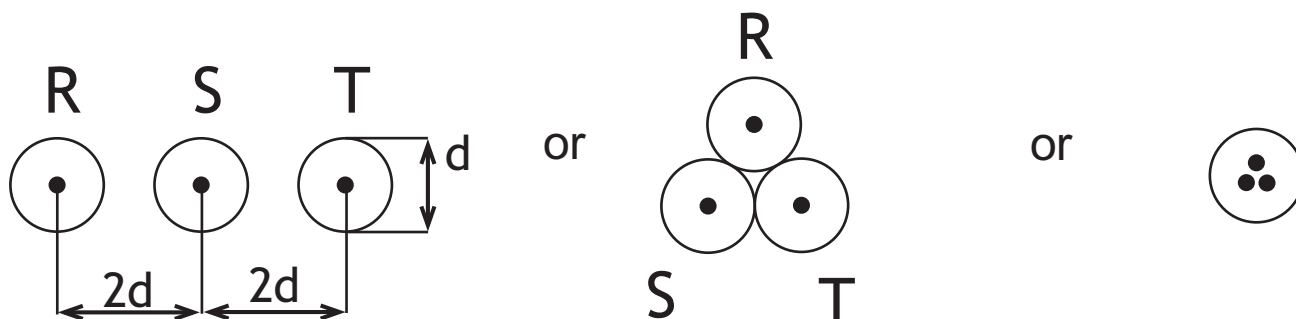


Installation Guide & Derating Factors

Conditions for current carrying capacity

The tabulated current ratings are designed by the conditions as below :

- One circuit of three phase load.



- Load factor = 1.0
- Maximum operating conductor temperature :
70° C (PVC insulation) and 90° C (XLPE insulation)
No other heat sources installed near the group of cables.
- Cable laying :
 - in air :
 - Ambient temperature : 30° C
 - The cable have to protected against heat radiation of the sun as well as sufficiently large and ventilated rooms whose temperature is not perceptibly increased by the heat dissipating from the loaded cable.
 - in ground :
 - Soil temperature : 30° C
 - Depth of laying : 70 cm
 - Specific thermal resistivity of soil : 100° C.m/watt

NOTE :

If the actual installed conditions are different from the above mentioned condition, the tabulated current ratings should be multiplied by the appropriate derating factors as shown in tables on the next pages.

DERATING FACTORS

A. Grouping in the ground.

1 Variation in ground temperature.

	Ground temperatures (°C)						
	20	25	30	35	40	45	50
XLPE insulation	1.08	1.04	1.00	0.96	0.91	0.87	0.82
PVC insulation	1.12	1.07	1.00	0.94	0.87	0.79	0.71

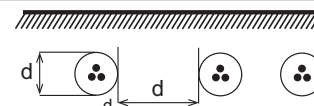
2 Variation in thermal resistivity of soil.

	Thermal resistivity of soil (°C.cm/watt)			
	70	100	150	250
XLPE insulation	1.12	1.0	0.87	0.78
PVC insulation	1.11	1.0	0.82	0.70

3 Variation in depth of laying.

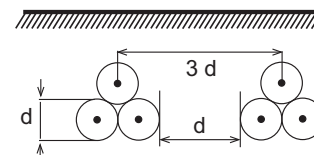
	Depth of laying (cm)					
	50	70	100	120	160	200
XLPE insulation	1.02	1.00	0.98	0.97	0.95	0.94
PVC insulation	1.01	1.00	0.99	0.98	0.97	0.96

4 GROUPING of multicore cables.



	Number Of grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.86	0.76	0.71	0.67	0.64	0.60	0.57
PVC insulation	1.00	0.85	0.75	0.68	0.64	0.60	0.56	0.53

5 GROUPING of single core cables (Trefoil formation)



	Number Of grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.89	0.82	0.78	0.75	0.73	0.70	0.68
PVC insulation	1.00	0.90	0.82	0.79	0.76	0.74	0.71	0.69

6 GROUPING of single core cables (Flat formation)



	Number Of grouping							
	1	2	3	4	5	6	8	10
XLPE insulation	1.00	0.87	0.77	0.73	0.70	0.68	0.65	0.63
PVC insulation	1.00	0.87	0.78	0.74	0.70	0.68	0.65	0.63

B. Grouping in air.

1 Variation in air temperature.

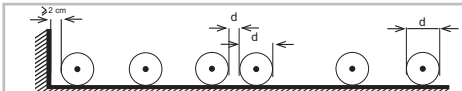
	Air temperatures (°C)							
	20	25	30	35	40	45	50	55
XLPE insulation	1.08	1.04	1.00	0.96	0.91	0.87	0.82	0.76
PVC insulation	1.12	1.07	1.00	0.93	0.87	0.79	0.71	0.61

2 Single core cables in three phase system.

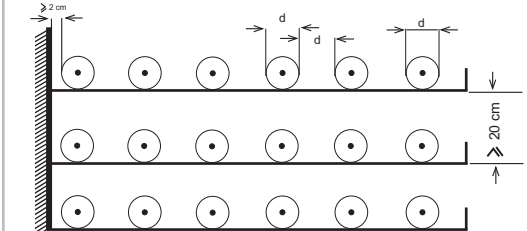
2.1 Flat formation.

Minimum distance from the wall is 2.0 cm.	Number of system		
Clearance between systems = Cable diameter (d)	1	2	3

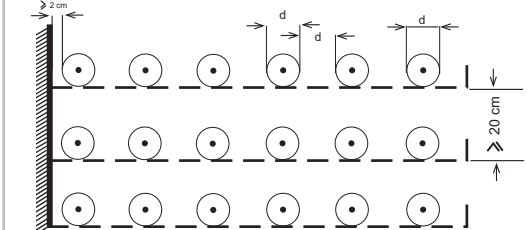
2.1.1 Laid on the ground in flat formation.

	Derating factor		
	0.92	0.89	0.88

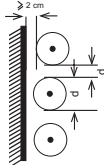
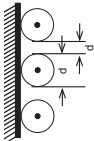
2.1.2 Laid on troughs (air circulation is restricted)

	Number of troughs	Derating factor		
	1	0.92	0.89	0.88
	2	0.87	0.84	0.83
	3	0.84	0.82	0.81
	6	0.82	0.80	0.79

2.1.3 Laid on the racks in flat formation.

	Number of racks	Derating factor		
	1	1.00	0.97	0.96
	2	0.97	0.94	0.93
	3	0.96	0.93	0.92
	6	0.94	0.91	0.90

2.1.4 Arranged on structures or on the wall.

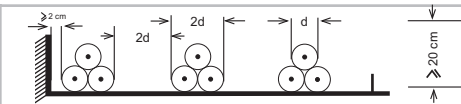
		Derating factor		
		0.94	0.91	0.89
	Touching the wall.	0.89	0.86	0.84

B. Grouping in air (continued)

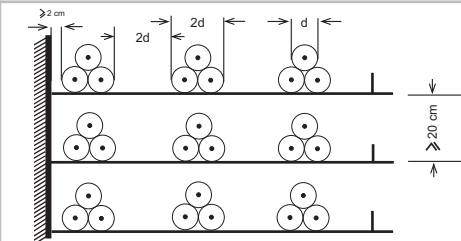
2.2 Trefoil formation.

Minimum distance from the wall is 2.0 cm. Clearance between systems = 2 x Cable diameter (2 d)	Number of system		
	1	2	3

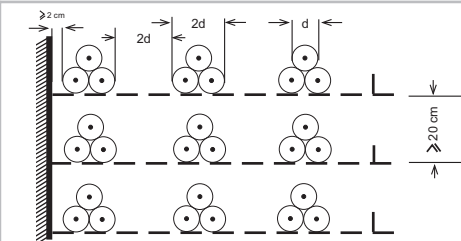
2.2.1 Laid on the ground in trefoil formation.

	Derating factor		
	1	2	3
	0.95	0.90	0.88

2.2.2 Laid on troughs (air circulation is restricted)

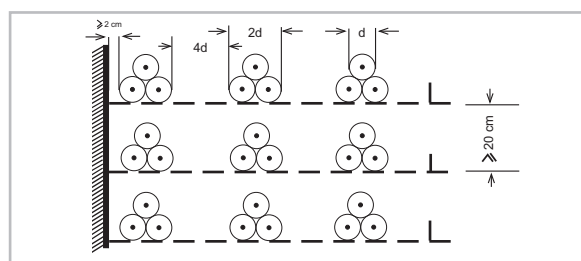
	Number of troughs	Derating factor		
	1	0.95	0.90	0.88
	2	0.90	8.85	0.83
	3	0.88	0.83	0.81
	6	0.86	0.81	0.79

2.2.3 Laid on the racks in trefoil formation.

	Number of racks	Derating factor		
	1	1.00	0.98	0.96
	2	1.00	0.95	0.93
	3	1.00	0.94	0.92
	6	1.00	0.93	0.90

2.2.4 Arrangement for which a reduction of the current rating is not necessary (for any number of systems)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 4 x cable diameter (4d).



B. Grouping in air (continued).

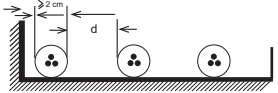
3 Multicore cables in three phase system and single core cables in DC system.

3.1 Minimum distance from the wall is 2.0 cm.

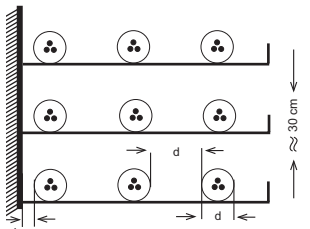
Clearance between cables = Cable diameter (d)

Number of system				
1	2	3	6	9

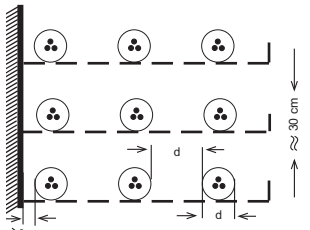
3.1.1 Laid on the ground in flat formation.

	Derating factor				
	0.95	0.90	0.88	0.85	0.84

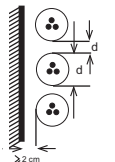
3.1.2 Laid on troughs (air circulation is restricted)

	Number of troughs	Derating factor				
	1	0.95	0.90	0.88	0.85	0.84
	2	0.90	0.85	0.83	0.81	0.80
	3	0.88	0.83	0.81	0.79	0.78
	6	0.86	0.81	0.79	0.77	0.76

3.1.3 Laid on the racks in flat formation.

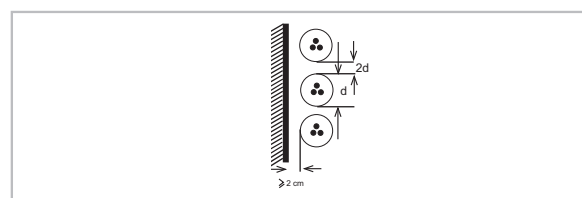
	Number of troughs	Derating factor				
	1	1.00	0.98	0.96	0.93	0.92
	2	1.00	0.95	0.93	0.90	0.89
	3	1.00	0.94	0.92	0.89	0.88
	6	1.00	0.93	0.90	0.87	0.86

3.1.4 Arranged on structures or on the wall.

	Derating factor				
	1.00	0.93	0.90	0.87	0.86

3.1.5 Arrangement for which a reduction of the current rating is not necessary (for any number of cables)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 2 x cable diameter (2d).

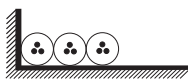


B. Grouping in air (continued).

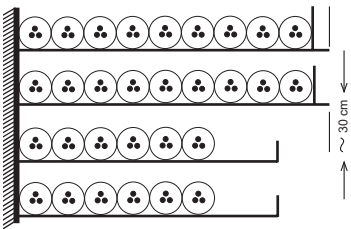
3.2 Cables touching throughout and in contact with the wall.

Number of system				
1	2	3	6	9

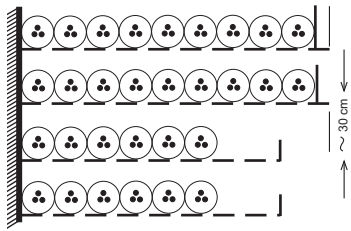
3.2.1 Laid on the ground in flat formation.

	Derating factor				
	0.90	0.84	0.80	0.75	0.73

3.2.2 Laid on troughs (air circulation is restricted)

	Number of troughs	Derating factor				
	1	0.95	0.84	0.80	0.75	0.73
	2	0.95	0.80	0.76	0.71	0.69
	3	0.95	0.78	0.74	0.70	0.68
	6	0.95	0.76	0.72	0.68	0.66

3.2.3 Laid on the racks in flat formation.

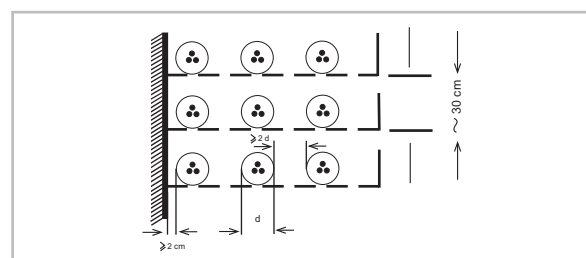
	Number of troughs	Derating factor				
	1	0.95	0.84	0.80	0.75	0.73
	2	0.95	0.80	0.76	0.71	0.69
	3	0.95	0.78	0.74	0.70	0.68
	6	0.95	0.76	0.72	0.68	0.66

3.2.4 Arranged on structures or on the wall.

	Derating factor				
	0.95	0.78	0.73	0.68	0.66

3.2.5 Arrangement for which a reduction of the current rating is not necessary (for any number of cables)

- Minimum distance from the wall is 2.0 cm.
- Clearance between cables = 2 x cable diameter (2d).



CONVERSION TABLE

Nominal cross sectional area			Wire gauge				Nominal cross sectional area			Wire gauge			
mm ²	Inc ²	Circular Mils (CM)	Equivalent Metric CSA	AWG	BWG	SWG	mm ²	Inc ²	Circular Mils (CM)	Equivalent Metric CSA	AWG	BWG	SWG
	0.0005	644	0.325	22	-	-		0.0290	36,874	18.68	-	-	6
	0.0006	487	0.397	-	22	22		0.0324	41,217	20.88	-	6	-
	0.0006	821	0.416	21	-	-		0.0326	41,750	21.15	4	-	-
0.50	0.0008	987	-	-	-	-		0.0353	44,948	22.77	-	-	5
	0.0008	1,021	0.517	20	-	-		0.0380	48,402	24.52	-	5	-
	0.0008	1,025	0.519	-	21	21	25	0.0388	49,350	-	-	-	-
	0.0009	1,198	0.607	-	20	-		0.0413	52,627	26.66	3	-	-
	0.0010	1,289	0.653	19	-	-		0.0423	53,831	27.27	-	-	4
	0.0010	1,297	0.657	-	-	20		0.0445	56,654	28.70	-	4	-
	0.0013	1,601	0.811	-	-	19		0.0499	63,523	32.18	-	-	3
0.75	0.0012	1,481	-	-	-	-		0.0521	66,386	33.63	2	-	-
	0.0013	1,625	0.823	18	-	-		0.0527	67,096	33.99	-	3	-
	0.0014	1,765	0.894	-	19	-	35	0.0543	69,090	-	-	-	-
1.0	0.0016	1,974	-	-	-	-		0.0598	76,196	28.60	-	-	2
	0.0016	2,053	1.040	17	-	-		0.0633	80,677	40.87	-	2	-
	0.0016	2,304	1.167	-	-	18		0.0657	83,717	42.41	1	-	-
	0.0019	2,402	1.217	-	18	-		0.0707	90,014	45.60	-	1	1
	0.0020	2,584	1.309	16	-	-	50	0.0775	98,700	-	-	-	-
1.5	0.0023	2,961	-	-	-	-		0.0824	404,997	53.19	-	-	1/0
	0.0025	3,137	1.589	-	-	17		0.0829	105,589	53.49	1/0	-	-
	0.0026	3,257	1.650	15	-	-		0.0908	115,637	58.58	-	1/0	-
	0.0026	3,366	1.705	-	17	-		0.0951	121,125	61.36	-	-	2/0
	0.0032	4,096	2.075	-	-	16		0.1045	133,087	67.42	2/0	-	-
	0.0032	4,108	2.081	14	-	-	70	0.1085	138,180	-	-	-	-
	0.0033	4,226	2.141	-	16	-		0.1087	138,417	70.12	-	-	3/0
2.5	0.0039	4,935	-	-	-	-		0.1134	144,438	73.17	-	2/0	-
	0.0040	5,180	2.624	13	-	-		0.1257	160,032	81.07	-	-	4/0
	0.0040	5,186	2.627	-	15	15		0.1318	167,849	85.03	3/0	-	-
	0.0050	6,402	3.243	-	-	14		0.1419	180,660	91.52	-	3/0	-
	0.0051	6,532	3.309	12	-	-		0.1466	186,661	94.56	-	-	5/0
	0.0054	6,891	3.491	-	14	-	95	0.1473	187,530	-	-	-	-
4	0.0062	7,896	-	-	-	-		0.1616	206,086	104.40	-	4/0	-
	0.0065	8,236	4.172	11	-	-		0.1691	211,613	107.20	4/0	-	-
	0.0066	8,466	4.269	-	-	13		0.1860	215,363	109.10	-	-	6/0
	0.0071	9,072	4.573	-	13	-	120	0.1860	236,880	-	-	-	-
	0.0082	10,387	5.262	10	-	-		0.1963	249,987	126.64	-	-	-
	0.0085	10,819	5.481	-	-	12		0.1964	250,106	126.70	-	5/0	7/0
	0.0093	11,883	6.020	-	12	-		0.2091	266,332	134.92	5/0	-	-
6	0.0093	11,844	-	-	-	-	150	0.2325	296,100	-	-	-	-
	0.0103	13,092	6.632	9	-	-		0.2356	300,048	152.00	-	-	-
	0.0106	13,459	6.816	-	-	11		0.2642	336,488	170.46	6/0	-	-
	0.0113	14,404	7.297	-	11	-	185	0.2868	365,190	-	-	-	-
	0.0129	16,388	8.302	-	-	10		0.3142	400,150	202.71	-	-	-
	0.0130	16,518	8.368	8	-	-	240	0.3720	473,760	-	-	-	-
	0.0141	17,959	9.098	-	10	-		0.3927	500,113	253.35	-	-	-
10	0.0155	19,740	-	-	-	-	300	0.4650	592,200	-	-	-	-
	0.0163	20,766	10.520	-	-	9		0.4712	600,096	304.00	-	-	-
	0.0164	20,826	10.550	7	-	-		0.5498	700,198	354.71	-	-	-
	0.0172	21,911	11.100	-	9	-	400	0.6200	789,600	-	-	-	-
	0.0201	25,603	12.970	-	-	8		0.6283	800,161	405.35	-	-	-
	0.0206	26,254	13.300	6	-	-	500	0.7750	987,000	-	-	-	-
	0.0214	27,241	13.800	-	8	-		0.7854	1,000,246	506.71	-	-	-
	0.0243	30,992	15.700	-	-	7	625	0.9688	1,233,750	-	-	-	-
16	0.0248	31,584	-	-	-	-	630	0.9765	1,243,620	-	-	-	-
	0.0255	32,413	16.420	-	7	-	800	1.2400	1,597,200	-	-	-	-
	0.0260	33,104	16.770	5	-	-	1,000	1.5500	1,974,000	-	-	-	-

Note : • AWG = American Wire Gauge • BWG = Birmingham Wire Gauge • SWG = British Standard Wire Gauge