

SPLN SNI

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EXTRANA[®] CABLE

Quality Cables, Quality Living

LOW VOLTAGE COPPER CABLES



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Second Edition 2023



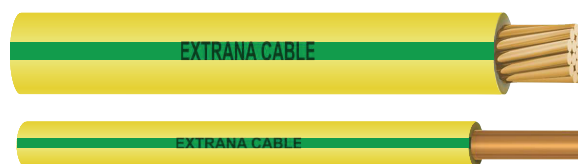
CORE COLOUR STANDARD FOR LOW VOLTAGE POWER AND CONTROL CABLE

NO	CORE	SYSTEM	SNI/IEC COLOUR	CABLE	SPLN COLOUR	CABLE
1	SINGLE CORE	R	Customer Requirement		Customer Requirement	
		S	Customer Requirement		Customer Requirement	
		T	Customer Requirement		Customer Requirement	
		N	Customer Requirement		Customer Requirement	
		E	Customer Requirement		Customer Requirement	
2	TWIN CORE	R	BROWN		RED	
		S	-		-	
		T	-		-	
		N	BLUE		BLUE	
		E	-		-	
3	THREE CORE	R	BROWN		RED	
		S	-		-	
		T	-		-	
		N	BLUE		BLUE	
		E	YELLOW/GREEN STRIPE		YELLOW/GREEN STRIPE	
4	FOUR CORE	R	BROWN		RED	
		S	BLACK		YELLOW	
		T	GREY		BLACK	
		N	-		BLUE	
		E	YELLOW/GREEN STRIPE		-	
5	FIVE CORE	R	BROWN		RED	
		S	BLACK		YELLOW	
		T	GREY		BLACK	
		N	BLUE		BLUE	
		E	YELLOW/GREEN STRIPE		YELLOW/GREEN STRIPE	
6	MORE THAN FIVE CORE	R	BLACK WITH NUMBERING		BLACK WITH NUMBERING	
			WITHOUT		WITHOUT	
		E	YELLOW/GREEN STRIPE		YELLOW/GREEN STRIPE	
7	MORE THAN FIVE CORE	R	BLACK WITH NUMBERING		BLACK WITH NUMBERING	
			WITH		WITH	
		E	YELLOW/GREEN STRIPE		YELLOW/GREEN STRIPE	

NYA 450/750 V

Copper Conductor, PVC Insulated

**SNI 04-6629.3; IEC 60227-3;
SNI 0225**



For building wire installed in conduit in dry location and interwiring in switch board and control panel.

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness Insulation	Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Max. Insulation Resistance	
							at 20°C	at 70°C
mm ²	mm	mm	kg/km	mm	Ω/km	Ω/km	MΩ.km	MΩ.km
1,5	0,7	3,0	22	24	12,1	14,5	14,5	0,011
2,5	0,8	3,6	34	29	7,41	8,90	8,90	0,010
4	0,8	4,1	49	33	4,61	5,52	5,52	0,0085
6	0,8	4,6	69	37	3,08	3,69	3,69	0,0070
10	1,0	5,9	115	47	1,83	2,19	2,19	0,0065
16	1,0	7,0	173	56	1,15	1,38	1,38	0,0052
25	1,2	8,6	272	69	0,727	0,87	0,87	0,0050
35	1,2	9,7	364	78	0,524	0,63	0,63	0,0043
50	1,4	11,5	479	92	0,387	0,464	0,464	0,0043
70	1,4	13,2	672	106	0,268	0,321	0,321	0,0035
95	1,6	15,4	922	123	0,193	0,232	0,232	0,0035
120	1,6	17,0	1152	136	0,153	0,184	0,184	0,0032
150	1,8	18,9	1426	151	0,124	0,150	0,150	0,0032
185	2,0	21,1	1770	169	0,0991	0,121	0,121	0,0032
240	2,2	24,0	2307	192	0,0754	0,0930	0,0930	0,0032
300	2,4	26,8	2896	214	0,0601	0,0750	0,0750	0,0030
400	2,6	30,0	3687	240	0,047	0,0604	0,0604	0,0028

1 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Capacitance (approx.)	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	μF/km	Ω/km	Ω/km	mH/km	A	A	kA
1,5	0,433	0,1239	14,501	0,505	24	15	0,173
2,5	0,481	0,1201	8,901	0,470	32	20	0,283
4	0,576	0,1160	5,521	0,450	42	25	0,46
6	0,673	0,1106	3,692	0,426	54	33	0,69
10	0,831	0,1045	2,193	0,396	73	45	1,15
16	0,965	0,0999	1,384	0,374	98	61	1,84
25	1,005	0,0989	0,876	0,358	129	83	2,88
35	1,156	0,0962	0,637	0,345	158	103	4,03
50	1,160	0,0966	0,474	0,336	198	132	5,75
70	1,306	0,0910	0,334	0,326	245	165	8,05
95	1,341	0,0905	0,249	0,321	292	197	10,9
120	1,539	0,0886	0,2042	0,316	344	235	13,8
150	1,494	0,0889	0,1744	0,313	391	-	17,3
185	1,515	0,0881	0,1497	0,310	448	-	21,3
240	1,564	0,0876	0,1278	0,307	525	-	27,6
300	1,570	0,0870	0,1149	0,305	608	-	34,5
400	1,693	0,0865	0,1055	0,302	726	-	46,0

NYM 300/500 V

Copper Conductor, PVC Insulated,
PVC Sheathed

**SNI 04-6629.4; IEC 60227-4;
SNI 0255**



Core Identification:
2 cores : Black, Blue
3 cores : Green-yellow, Brown, Blue
4 cores : Green-yellow, Brown, Black, Grey

For building wire installed in conduit in dry location and interwiring in switch board and control panel, inherently flame retardant in compliance with IEC 60332-1.

2 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C
	Insulation	Sheath				
mm ²	mm	mm	mm	kg/km	mm	Ω/km
1,5	0,7	1,2	8,9	124	71	12,1
2,5	0,8	1,2	10,1	167	81	7,41
4	0,8	1,2	11,0	211	88	4,61
6	0,8	1,2	11,9	267	95	3,08
10	1,0	1,4	15,1	435	121	1,83
16	1,0	1,4	18,0	634	144	1,15
25	1,2	1,4	21,9	972	175	0,727
35	1,2	1,6	24,4	1257	195	0,524

2 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Max. AC Conductor Resistance at 70°C	Max. Insulation Resistance		Inductance (approx.)	Max. Current Carrying Capacity at 30°C	Max. Short circuit current at 1 sec.
		at 20°C	at 70°C			
mm ²	mm ²	MΩ.km	MΩ.km	mH/km	A	kA
1,5	14,5	50	0,011	0,328	19	0,17
2,5	8,90	50	0,010	0,304	25	0,29
4	5,52	50	0,0085	0,303	34	0,46
6	3,69	40	0,0070	0,288	44	0,69
10	2,19	30	0,0065	0,269	61	1,15
16	1,38	30	0,0052	0,255	82	1,84
25	0,87	30	0,0050	0,255	108	2,88
35	0,63	20	0,0044	0,246	134	4,03

NYM 300/500 V

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3 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C
	Insulation	Sheath				
mm ²	mm	mm	mm	kg/km	mm	Ω/km
1,5	0,7	1,2	9,4	145	75	12,1
2,5	0,8	1,2	10,6	196	85	7,41
4	0,8	1,2	11,6	254	93	4,61
6	0,8	1,4	13,0	341	104	3,08
10	1,0	1,4	16,0	537	128	1,83
16	1,0	1,4	19,1	789	153	1,15
25	1,2	1,6	23,7	1244	190	0,727
35	1,2	1,6	26,4	1617	211	0,524

3 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Max. AC Conductor Resistance at 70°C	Max. Insulation Resistance		Inductance (approx.)	Max. Current Carrying Capacity at 30°C	Max. Short circuit current at 1 sec.
		at 20°C	at 70°C			
mm ²	mm ²	MΩ.km	MΩ.km	mH/km	A	kA
1,5	14,5	50	0,011	0,328	19	0,17
2,5	8,90	50	0,010	0,304	25	0,29
4	5,52	50	0,0085	0,303	34	0,46
6	3,69	40	0,0070	0,288	44	0,69
10	2,19	30	0,0065	0,269	61	1,15
16	1,38	30	0,0052	0,255	82	1,84
25	0,87	30	0,0050	0,255	108	2,88
35	0,63	20	0,0044	0,246	134	4,03

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4 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C
	Insulation	Sheath				
mm ²	mm	mm	mm	kg/km	mm	Ω/km
1,5	0,7	1,2	10,5	183	84	12,1
2,5	0,8	1,2	12,0	252	96	7,41
4	0,8	1,2	13,3	333	106	4,61
6	0,8	1,4	15,4	462	123	3,08
10	1,0	1,4	18,5	708	148	1,83
16	1,0	1,4	21,2	996	170	1,15
25	1,2	1,6	26,3	1567	210	0,727
35	1,2	1,6	28,9	2010	231	0,524

4 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Max. AC Conductor Resistance at 70°C	Max. Insulation Resistance		Inductance (approx.)	Max. Current Carrying Capacity at 30°C	Max. Short circuit current at 1 sec.
		at 20°C	at 70°C			
mm ²	mm ²	MΩ.km	MΩ.km	mH/km	A	kA
1,5	14,5	50	0,011	0,328	19	0,17
2,5	8,90	50	0,010	0,304	25	0,29
4	5,52	50	0,0085	0,303	34	0,46
6	3,69	40	0,0070	0,288	44	0,69
10	2,19	30	0,0065	0,269	61	1,15
16	1,38	30	0,0052	0,255	82	1,84
25	0,87	30	0,0050	0,255	108	2,88
35	0,63	20	0,0044	0,246	134	4,03

NYM 300/500 V

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5 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C
	Insulation	Sheath				
mm ²	mm	mm	mm	kg/km	mm	Ω/km
1,5	0,7	1,2	11,4	214	91	12,1
2,5	0,8	1,2	13,1	297	105	7,41
4	0,8	1,4	15,2	423	122	4,61
6	0,8	1,4	16,7	547	134	3,08
10	1,0	1,4	20,6	865	165	1,83
16	1,0	1,6	23,6	1215	189	1,15
25	1,2	1,6	28,7	1877	230	0,727
35	1,2	1,6	31,7	2418	254	0,524

5 CORE DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Max. AC Conductor Resistance at 70°C	Max. Insulation Resistance		Inductance (approx.)	Max. Current Carrying Capacity at 30°C	Max. Short circuit current at 1 sec.
		at 20°C	at 70°C			
mm ²	mm ²	MΩ.km	MΩ.km	mH/km	A	kA
1,5	14,5	50	0,011	0,328	19	0,17
2,5	8,90	50	0,010	0,304	25	0,29
4	5,52	50	0,0085	0,303	34	0,46
6	3,69	40	0,0070	0,288	44	0,69
10	2,19	30	0,0065	0,269	61	1,15
16	1,38	30	0,0052	0,255	82	1,84
25	0,87	30	0,0050	0,255	108	2,88
35	0,63	20	0,0044	0,246	134	4,03

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

Used as power cable for indoors, outdoors, cable trunking, and buried in the ground. Also used for power stations, industries and switchgear as well as for urban supply networks, where there is low exposure to mechanical damage.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,4	6,2	63	49	12,1	14,5	0,433
2,5	0,8	1,4	6,6	78	53	7,41	8,90	0,481
4	1,0	1,4	7,5	105	60	4,61	5,52	0,576
6	1,0	1,4	8,1	132	65	3,08	3,69	0,673
10	1,0	1,4	9,0	181	72	1,83	2,19	0,831
16	1,0	1,4	10,0	250	80	1,15	1,38	0,965
25	1,2	1,4	11,7	365	94	0,727	0,87	1,005
35	1,2	1,4	12,8	471	103	0,524	0,63	1,156
50	1,4	1,4	14,6	617	117	0,387	0,464	1,160
70	1,4	1,4	16,4	834	131	0,268	0,321	1,306
95	1,6	1,5	18,9	1135	151	0,193	0,232	1,341
120	1,6	1,6	20,7	1403	165	0,153	0,184	1,539
150	1,8	1,7	22,9	1743	183	0,124	0,150	1,494
185	2,0	1,8	25,1	2104	200	0,0991	0,121	1,515
240	2,2	1,9	28,4	2746	227	0,0754	0,0930	1,564
300	2,4	2,0	31,5	3440	252	0,0601	0,0750	1,570
400	2,6	2,1	34,9	4297	279	0,047	0,0604	1,693
500	2,8	2,2	39,2	5531	314	0,0366	0,0490	1,646
630	2,8	2,4	43,5	7010	348	0,0221	0,0401	1,690

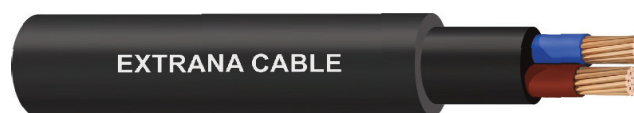
1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●	●●●	●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
1,5	0,1239	14,501	0,505	23	23	29	29	0,17
2,5	0,1201	8,901	0,470	28	29	38	39	0,29
4	0,1160	5,521	0,450	39	40	48	49	0,46
6	0,1106	3,692	0,426	48	49	59	60	0,69
10	0,1045	2,193	0,396	67	69	79	81	1,15
16	0,0999	1,384	0,374	88	90	103	105	1,84
25	0,0989	0,876	0,358	116	117	130	131	2,88
35	0,0962	0,637	0,345	142	146	156	160	4,03
50	0,0966	0,474	0,336	174	179	186	191	5,75
70	0,0910	0,334	0,326	220	227	226	233	8,05
95	0,0905	0,249	0,321	274	281	266	273	10,93
120	0,0886	0,2042	0,316	318	328	304	314	13,8
150	0,0889	0,1744	0,313	366	377	340	351	17,25
185	0,0881	0,1497	0,310	423	436	382	395	21,28
240	0,0876	0,1278	0,307	506	521	441	456	27,6
300	0,0870	0,1149	0,305	592	610	502	520	34,5
400	0,0865	0,1055	0,302	676	687	586	575	46,02
500	0,0863	0,0992	0,299	781	806	774	799	57,53
630	0,0859	0,0948	0,293	901	930	846	875	72,52

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

Used as power cable for indoors, outdoors, cable trunking, and buried in the ground. Also used for power stations, industries and switchgear as well as for urban supply networks, where there is low exposure to mechanical damage.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,2	224	98	12,1	14,5	0,153
2,5	0,8	1,8	13,5	284	108	7,41	8,90	0,166
4	1,0	1,8	14,9	359	120	4,61	5,52	0,186
6	1,0	1,8	16,2	443	130	3,08	3,69	0,201
10	1,0	1,8	17,9	574	143	1,83	2,19	0,221
16	1,0	1,8	20,0	766	160	1,15	1,38	0,236
25	1,2	1,8	23,4	1094	187	0,727	0,87	0,245
35	1,2	1,8	25,6	1377	205	0,524	0,63	0,259
50	1,4	1,8	29,1	1800	233	0,387	0,464	0,268
70	1,4	1,9	33,3	2436	266	0,268	0,321	0,275
95	1,6	2,1	38,1	3259	305	0,193	0,232	0,282
120	1,6	2,2	42,4	4100	339	0,153	0,184	0,297
150	1,8	2,4	46,2	4906	370	0,124	0,150	0,296
185	2,0	2,5	50,8	5987	407	0,0991	0,121	0,3
240	2,2	2,7	57,9	7822	463	0,0754	0,0930	0,304
300	2,4	2,9	64,3	9799	515	0,0601	0,0750	0,306

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,001	23	29	0,17
2,5	0,1077	8,901	0,304	17,8016	32	40	0,29
4	0,1035	5,5210	0,303	11,0424	42	50	0,46
6	0,0980	3,6913	0,288	7,3833	53	60	0,69
10	0,0918	2,1919	0,269	4,3850	72	84	1,15
16	0,0871	1,3827	0,255	2,7672	93	107	1,84
25	0,0861	0,8743	0,255	1,7512	123	136	2,88
35	0,0833	0,6355	0,246	1,2746	151	162	4,03
50	0,0837	0,4715	0,247	0,9479	182	196	5,75
70	0,0780	0,3303	0,238	0,6673	236	242	8,05
95	0,0775	0,2446	0,233	0,4981	284	286	10,93
120	0,0785	0,1989	0,233	0,4084	326	328	13,8
150	0,0755	0,1681	0,233	0,3487	374	367	17,25
185	0,0750	0,1424	0,233	0,2994	430	408	21,28
240	0,0745	0,1192	0,232	0,2555	511	482	27,6
300	0,0740	0,1054	0,231	0,2297	592	530	34,5

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



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- Oil Resistance
- UV Resistance
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- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

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3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,7	254	102	12,1	14,5	0,369
2,5	0,8	1,8	13,7	310	110	7,41	8,90	0,408
4	1,0	1,8	15,7	419	125	4,61	5,52	0,482
6	1,0	1,8	16,9	516	135	3,08	3,69	0,554
10	1,0	1,8	18,9	695	151	1,83	2,19	0,671
16	1,0	1,8	21,1	944	169	1,15	1,38	0,770
25	1,2	1,8	24,8	1366	198	0,727	0,87	0,809
35	1,2	1,8	27,2	1739	217	0,524	0,63	0,922
50	1,4	1,7	26,0	1868	208	0,387	0,464	0,933
70	1,4	1,8	28,9	2537	231	0,268	0,321	1,024
95	1,6	1,9	33,5	3460	268	0,193	0,232	1,06
120	1,6	2,0	36,3	4151	291	0,153	0,184	1,207
150	1,8	2,2	39,8	5179	318	0,124	0,150	1,165
185	2,0	2,3	44,7	6406	358	0,0991	0,121	1,189
240	2,2	2,5	49,8	8182	399	0,0754	0,0930	1,218
300	2,4	2,6	55,3	10606	442	0,0601	0,0750	1,229

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	19	25	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	26	34	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	34	40	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	44	50	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	60	69	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	79	89	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	105	115	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	129	138	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	162	170	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	203	208	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	250	249	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	289	284	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	330	318	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	381	360	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	451	416	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	517	469	34,5

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

Used as power cable for indoors, outdoors, cable trunking, and buried in the ground. Also used for power stations, industries and switchgear as well as for urban supply networks, where there is low exposure to mechanical damage.



Special Features on Request

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

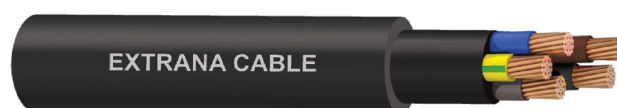
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	13,6	296	109	12,1	14,5	0,369
2,5	0,8	1,8	14,7	366	117	7,41	8,90	0,408
4	1,0	1,8	16,9	500	135	4,61	5,52	0,482
6	1,0	1,8	18,2	628	146	3,08	3,69	0,554
10	1,0	1,8	20,4	857	163	1,83	2,19	0,671
16	1,0	1,8	22,9	1177	183	1,15	1,38	0,770
25	1,2	1,8	27,0	1716	216	0,727	0,87	0,809
35	1,2	1,8	29,8	2204	238	0,524	0,63	0,922
50	1,4	1,8	29,7	2473	238	0,387	0,464	0,933
70	1,4	2,0	34,1	3378	273	0,268	0,321	1,024
95	1,6	2,1	38,1	4534	305	0,193	0,232	1,06
120	1,6	2,2	42,6	5648	341	0,153	0,184	1,207
150	1,8	2,4	46,8	6894	375	0,124	0,150	1,165
185	2,0	2,5	51,8	8453	414	0,0991	0,121	1,189
240	2,2	2,8	59,5	11190	476	0,0754	0,0930	1,218
300	2,4	3,0	66,1	14097	529	0,0601	0,0750	1,229

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	22	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	29	35	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	39	46	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	50	57	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	68	77	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	90	99	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	121	128	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	149	154	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	173	173	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	215	212	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	266	255	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	308	289	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	357	327	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	405	366	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	482	425	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	552	479	34,5

NYY 0.6/1 kV

Copper Conductor, PVC Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



Special Features on Request

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

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5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,5	343	116	12,1	14,5	0,369
2,5	0,8	1,8	15,7	429	126	7,41	8,90	0,408
4	1,0	1,8	18,2	593	145	4,61	5,52	0,482
6	1,0	1,8	19,7	743	158	3,08	3,69	0,554
10	1,0	1,8	22,1	1024	177	1,83	2,19	0,671
16	1,0	1,8	25,0	1416	200	1,15	1,38	0,770
25	1,2	1,8	29,6	2085	237	0,727	0,87	0,809
35	1,2	1,9	33,2	2736	266	0,524	0,63	0,922
50	1,4	2,1	38,3	3631	306	0,387	0,464	0,933

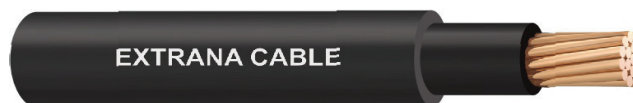
5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	23	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	30	36	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	41	47	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	52	59	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	71	78	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	94	101	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	126	131	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	155	157	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	189	185	5,75

N2XY 0.6/1 kV

Copper Conductor, XLPE Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

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Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,4	5,9	53	47	12,1	15,5	0,189
2,5	0,7	1,4	6,3	65	50	7,41	9,48	0,229
4	0,7	1,4	6,8	83	54	4,61	5,90	0,300
6	0,7	1,4	7,3	106	59	3,08	3,94	0,354
10	0,7	1,4	8,2	150	66	1,83	2,34	0,441
16	0,7	1,4	9,25	212	74	1,15	1,47	0,515
25	0,9	1,4	10,94	315	88	0,727	0,93	0,512
35	0,9	1,4	12,0	410	96	0,524	0,671	0,592
50	1,0	1,4	13,6	529	108	0,387	0,495	0,598
70	1,1	1,4	15,5	734	124	0,268	0,319	0,62
95	1,1	1,5	17,5	983	140	0,193	0,247	0,723
120	1,2	1,6	19,49	1236	156	0,153	0,196	0,774
150	1,4	1,6	21,43	1512	171	0,124	0,159	0,734
185	1,7	1,8	26,72	2426	214	0,0991	0,127	0,712
240	1,8	1,9	29,46	3009	236	0,0754	0,0965	0,763
300	2	2	32,94	3819	264	0,0601	0,0769	0,790
400	2,2	2,1	36,87	4869	295	0,047	0,0602	0,839
500	2,4	2,3	41,62	6285	333	0,0366	0,0468	0,857
630	2,4	2,4	43,5	6814		0,0221	0,0362	0,917

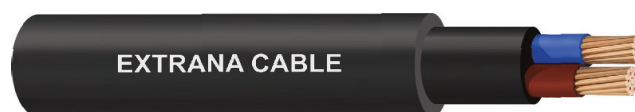
1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●	●●●	●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
1,5	0,120	15,501	0,498	26	27	34	34	0,21
2,5	0,113	9,481	0,463	36	37	45	45	0,36
4	0,107	5,901	0,433	47	48	58	57	0,57
6	0,103	3,941	0,41	60	61	72	71	0,86
10	0,098	2,342	0,382	80	82	94	93	1,43
16	0,094	1,473	0,361	107	110	121	120	2,29
25	0,093	0,935	0,348	144	148	155	154	3,58
35	0,092	0,677	0,335	176	181	185	187	5,01
50	0,092	0,504	0,325	217	224	220	218	7,15
70	0,088	0,354	0,316	278	286	272	268	10,01
95	0,086	0,262	0,310	342	353	323	319	13,59
120	0,0857	0,2139	0,305	398	420	364	360	17,16
150	0,0863	0,1809	0,305	457	472	409	403	21,45
185	0,0858	0,1533	0,304	531	548	460	454	26,46
240	0,0851	0,1286	0,300	635	655	533	525	34,32
300	0,0843	0,1141	0,295	732	755	597	588	42,9
400	0,0837	0,1031	0,295	850	877	673	662	57,2
500	0,0835	0,0957	0,292	987	1020	759	746	71,5
630	0,0829	0,0904	0,289	1142	1180	850	835	90,09

N2XY 0.6/1 kV

Copper Conductor, XLPE Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

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Special Features on Request

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

2 CORE		DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	11,9	196	95,2	12,1	15,5	0,064
2,5	0,7	1,8	12,8	235	102,4	7,41	9,48	0,071
4	0,7	1,8	13,8	288	110,4	4,61	5,9	0,081
6	0,7	1,8	15,0	328	120,0	3,08	3,94	0,087
10	0,7	1,8	16,8	441	134,4	1,83	2,34	0,096
16	0,7	1,8	18,9	597	151,2	1,15	1,47	0,100
25	0,9	1,8	22,2	853	177,6	0,727	0,93	0,105
35	0,9	1,8	24,5	1089	196,0	0,524	0,671	0,111
50	1,0	1,8	27,6	1389	220,8	0,387	0,495	0,115
70	1,1	2,0	32,3	1948	258,4	0,268	0,319	0,117
95	1,1	2,1	36,1	2540	288,8	0,193	0,247	0,122
120	1,2	2,2	39,9	3147	319,2	0,153	0,196	0,126
150	1,4	2,4	44,6	3906	356,8	0,124	0,159	0,127
185	1,6	2,5	49,1	4768	392,8	0,0991	0,127	0,128
240	1,7	2,7	55,3	6156	442,4	0,0754	0,0965	0,130
300	1,8	2,9	60,8	7568	486,4	0,0601	0,0769	0,130

2 CORE		DIMENSIONAL AND ELECTRICAL DATA					
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,001	30	39	0,21
2,5	0,1007	9,481	0,293	18,961	39	53	0,36
4	0,0947	3,9410	0,275	11,802	52	71	0,57
6	0,0902	2,3416	0,263	7,883	68	87	0,86
10	0,0852	1,4723	0,248	4,684	91	119	1,43
16	0,0815	0,9336	0,238	2,946	126	158	2,29
25	0,0816	0,6757	0,240	1,870	167	200	3,58
35	0,0794	0,5013	0,233	1,355	206	239	5,01
50	0,0792	0,3511	0,232	1,007	250	287	7,15
70	0,0752	0,2577	0,229	0,708	322	352	10,01
95	0,0734	0,2090	0,224	0,523	392	423	13,59
120	0,0732	0,1750	0,223	0,428	460	484	17,16
150	0,0727	0,1463	0,224	0,362	521	544	21,45
185	0,0726	0,1204	0,225	0,307	600	614	26,46
240	0,0719	0,1048	0,223	0,257	655	711	34,32
300	0,711	0,0927	0,221	0,228	834	696	42,9

N2XY 0.6/1 kV

Copper Conductor, XLPE Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

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Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	12,4	217	99	12,1	15,5	0,161
2,5	0,7	1,8	13,3	264	106	7,41	9,48	0,191
4	0,7	1,8	14,4	331	115	4,61	5,9	0,244
6	0,7	1,8	15,6	413	125	3,08	3,94	0,283
10	0,7	1,8	17,7	549	142	1,83	2,34	0,347
16	0,7	1,8	19,9	755	159	1,15	1,47	0,401
25	0,9	1,8	23,3	1098	186	0,727	0,93	0,406
35	0,9	1,8	25,6	1409	205	0,524	0,671	0,464
50	1,0	1,9	29,3	1838	234	0,387	0,495	0,479
70	1,1	2,1	34,3	2589	274	0,268	0,319	0,490
95	1,1	2,2	38,4	3407	307	0,193	0,247	0,564
120	1,2	2,3	42,9	4285	343	0,153	0,196	0,605
150	1,4	2,5	47,5	5260	380	0,124	0,159	0,569
185	1,6	2,6	52,3	6438	418	0,0991	0,127	0,563
240	1,7	2,9	59,2	8378	474	0,0754	0,0965	0,594
300	1,8	3,1	65,1	10329	521	0,0601	0,0769	0,616

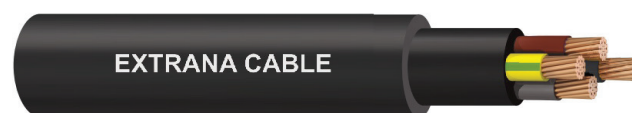
3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0009	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9614	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8020	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,8827	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,6841	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9461	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8696	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3546	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0070	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7083	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5234	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4279	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3618	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3065	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2573	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2282	0,1812	745	695	42,9

N2XY 0.6/1 kV

Copper Conductor, XLPE Insulated, PVC Sheathed

SNI IEC 60502-1; SNI 0255

Used as power cable for indoors, outdoors, cable trunking, and buried in the ground. Also used for power stations, industries and switchgear as well as for urban supply networks, where there is low exposure to mechanical damage.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	12,9	241	103	12,1	15,5	0,161
2,5	0,7	1,8	14,0	300	112	7,41	9,48	0,191
4	0,7	1,8	15,2	382	122	4,61	5,9	0,244
6	0,7	1,8	16,5	483	132	3,08	3,94	0,283
10	0,7	1,8	18,8	663	150	1,83	2,34	0,347
16	0,7	1,8	21,3	931	170	1,15	1,47	0,401
25	0,9	1,8	25,4	1381	203	0,727	0,93	0,406
35	0,9	1,9	28,2	1801	226	0,524	0,671	0,464
50	1,0	2	32,6	2378	261	0,387	0,495	0,479
70	1,1	2,2	37,7	3307	302	0,268	0,319	0,490
95	1,1	2,3	42,7	4417	342	0,193	0,247	0,564
120	1,2	2,5	47,4	5520	379	0,153	0,196	0,605
150	1,4	2,6	52,3	6755	418	0,124	0,159	0,569
185	1,6	2,8	58,3	8381	466	0,0991	0,127	0,563
240	1,7	3,1	65,5	10828	524	0,0754	0,0965	0,594
300	1,8	3,3	72,4	13429	579	0,0601	0,0769	0,616

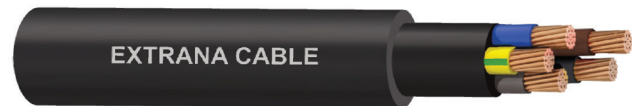
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0009	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9614	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8020	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,8827	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,6841	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9461	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8696	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3546	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0070	0,8673	236	232	7,15
70	0,0752	0,2577	0,229	0,7083	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5234	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4279	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3618	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3065	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2573	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2282	0,1812	785	749	42,9

N2XY 0.6/1 kV

Copper Conductor, XLPE Insulated,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,8	274	110	12,1	15,5	0,161
2,5	0,7	1,8	14,9	343	119	7,41	9,48	0,191
4	0,7	1,8	16,3	442	130	4,61	5,9	0,244
6	0,7	1,8	17,9	556	143	3,08	3,94	0,283
10	0,7	1,8	20,3	791	162	1,83	2,34	0,347
16	0,7	1,8	23,1	1120	185	1,15	1,47	0,401
25	0,9	1,8	27,7	1676	222	0,727	0,93	0,406
35	0,9	1,9	30,9	2200	247	0,524	0,671	0,464
50	1,0	2,1	35,9	2921	287	0,387	0,495	0,479
70	1,1	2,3	41,5	4063	332	0,268	0,319	0,49
95	1,1	2,5	47,2	5454	378	0,193	0,247	0,564

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0009	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9614	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8020	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,8827	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,6841	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9461	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8696	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3546	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0070	0,8673	251	241	7,15
70	0,0752	0,2577	0,229	0,7083	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5234	0,4458	353	355	13,59

N2XCY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Copper Wire Screen, PVC Sheathed

SNI IEC 60502-1; SNI 0255

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- Oil Resistance
- UV Resistance
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- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1.5/1.5	0,7	1,8	13,0	270	104	12,1	15,5	0,064
2.5/2.5	0,7	1,8	13,9	325	111	7,41	9,48	0,071
4/4	0,7	1,8	14,9	398	119	4,61	5,9	0,081
6/6	0,7	1,8	16,0	489	128	3,08	3,94	0,087
10/10	0,7	1,8	18,2	670	146	1,83	2,34	0,096
16/16	0,7	1,8	20,2	909	162	1,15	1,47	0,100
25/16	0,9	1,8	23,6	1233	189	0,727	0,93	0,105
35/25	0,9	1,8	25,7	1507	206	0,524	0,671	0,111
50/25	1,0	1,9	29,6	2004	237	0,387	0,495	0,115
70/35	1,1	2,1	34,3	2782	274	0,268	0,319	0,117
95/50	1,1	2,2	38,7	3650	310	0,193	0,247	0,122
120/70	1,2	2,3	42,5	4573	340	0,153	0,196	0,126
150/95	1,4	2,5	47,2	5507	378	0,124	0,159	0,127
185/120	1,6	2,6	52,0	6807	416	0,0991	0,127	0,128
240/120	1,7	2,9	59,2	8784	474	0,0754	0,0965	0,130
300/150	1,8	3,0	64,5	10730	516	0,0601	0,0769	0,130

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1.5/1.5	0,108	15,500	0,315	31,0259	30	39	0,21
2.5/2.5	0,1007	9,481	0,293	18,9959	39	53	0,36
4/4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6/6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10/10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16/16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25/16	0,0816	0,6757	0,240	1,8706	167	200	3,58
35/25	0,0794	0,5013	0,233	1,3559	206	239	5,01
50/25	0,0792	0,3511	0,232	1,0083	250	287	7,15
70/35	0,0752	0,2577	0,229	0,7097	322	352	10,01
95/50	0,0734	0,2090	0,224	0,5250	392	423	13,59
120/70	0,0732	0,1750	0,223	0,4296	460	484	17,16
150/95	0,0727	0,1463	0,224	0,3640	521	544	21,45
185/120	0,0726	0,1204	0,225	0,3085	600	614	26,46
240/120	0,0719	0,1048	0,223	0,2593	655	711	34,32
300/150	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XCY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Copper Wire Screen, PVC Sheathed

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- Flame Retardant Cat. A,B,C
- Flame Retardant Non Category
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3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1.5/1.5	0,7	1,8	13,5	294	108	12,1	15,5	0,161
2.5/2.5	0,7	1,8	14,4	357	115	7,41	9,48	0,191
4/4	0,7	1,8	15,5	444	124	4,61	5,9	0,244
6/6	0,7	1,8	16,7	553	134	3,08	3,94	0,283
10/10	0,7	1,8	19,0	770	152	1,83	2,34	0,347
16/16	0,7	1,8	10,5	295	84	1,15	1,47	0,401
25/16	0,9	1,8	11,4	319	91	0,727	0,93	0,406
35/25	0,9	1,8	11,4	319	91	0,524	0,671	0,464
50/25	1,0	1,8	12,4	421	99	0,387	0,495	0,479
70/35	1,1	1,8	12,9	526	103	0,268	0,319	0,490
95/50	1,1	2,3	41,2	4493	330	0,193	0,247	0,564
120/70	1,2	2,4	45,7	5678	366	0,153	0,196	0,605
150/95	1,4	2,6	50,3	6809	402	0,124	0,159	0,569
185/120	1,6	2,7	55,4	8411	443	0,0991	0,127	0,563
240/120	1,7	3,0	63,1	10878	505	0,0754	0,0965	0,594
300/150	1,8	3,2	69,0	13373	552	0,0601	0,0769	0,616

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1.5/1.5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2.5/2.5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4/4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6/6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10/10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16/16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25/16	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35/25	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50/25	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70/35	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95/50	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120/70	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150/95	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185/120	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240/120	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300/150	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XCY 0.6/1 kV

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4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1.5/1.5	0,7	1,8	14,3	329	114	12,1	15,5	0,161
2.5/2.5	0,7	1,8	15,3	404	122	7,41	9,48	0,191
4/4	0,7	1,8	16,5	507	132	4,61	5,9	0,244
6/6	0,7	1,8	17,8	636	142	3,08	3,94	0,283
10/10	0,7	1,8	20,4	897	163	1,83	2,34	0,347
16/16	0,7	1,8	22,9	1248	183	1,15	1,47	0,401
25/16	0,9	1,8	26,9	1753	215	0,727	0,93	0,406
35/25	0,9	1,9	29,8	2221	238	0,524	0,671	0,464
50/25	1,0	2,1	34,9	3010	279	0,387	0,495	0,479
70/35	1,1	2,2	39,8	4129	318	0,268	0,319	0,490
95/50	1,1	1,8	14,1	688	113	0,193	0,247	0,564
120/70	1,2	1,8	14,5	882	116	0,153	0,196	0,605
150/95	1,4	1,8	15,5	914	124	0,124	0,159	0,569
185/120	1,6	1,8	16,8	1182	134	0,0991	0,127	0,563
240/120	1,7	1,8	18,0	1439	144	0,0754	0,0965	0,594
300/150	1,8	3,4	76,3	16546	610	0,0601	0,0769	0,616

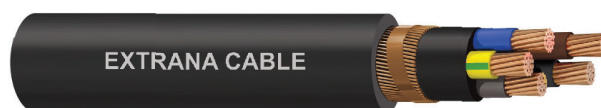
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1.5/1.5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2.5/2.5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4/4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6/6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10/10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16/16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25/16	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35/25	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50/25	0,0792	0,3511	0,232	1,0083	0,8673	236	232	7,15
70/35	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95/50	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120/70	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150/95	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185/120	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240/120	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300/150	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1.5/1.5	0,7	1,8	15,2	368	122	12,1	15,5	0,161
2.5/2.5	0,7	1,8	16,3	454	130	7,41	9,48	0,191
4/4	0,7	1,8	17,7	576	142	4,61	5,9	0,244
6/6	0,7	1,8	19,1	726	153	3,08	3,94	0,283
10/10	0,7	1,8	22,0	1032	176	1,83	2,34	0,347
16/16	0,7	1,8	24,7	1444	198	1,15	1,47	0,401
25/16	0,9	1,9	29,5	2071	236	0,727	0,93	0,406
35/25	0,9	2,0	32,6	2636	261	0,524	0,671	0,464
50/25	1,0	2,2	38,1	3565	305	0,387	0,495	0,479
70/35	1,1	2,4	43,8	4931	350	0,268	0,319	0,49
95/50	1,1	2,6	50,1	6609	401	0,193	0,247	0,564

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1.5/1.5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2.5/2.5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4/4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6/6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10/10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16/16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25/16	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35/25	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50/25	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15
70/35	0,0752	0,2577	0,229	0,7083	0,6075	290	295	10,01
95/50	0,0734	0,2090	0,224	0,5234	0,4458	353	355	13,59

NYSY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	9,0	94	108	12,1	14,5	0,433
2,5	0,8	1,8	9,4	109	113	7,41	8,90	0,481
4	1,0	1,8	10,3	137	124	4,61	5,52	0,576
6	1,0	1,8	10,8	162	130	3,08	3,69	0,673
10	1,0	1,8	11,7	212	140	1,83	2,19	0,831
16	1,0	1,8	12,8	281	154	1,15	1,38	0,965
25	1,2	1,8	14,4	395	173	0,727	0,87	1,005
35	1,2	1,8	15,5	498	186	0,524	0,63	1,156
50	1,4	1,8	17,3	644	208	0,387	0,464	1,160
70	1,4	1,8	19,0	860	228	0,268	0,321	1,306
95	1,6	1,8	21,2	1138	254	0,193	0,232	1,341
120	1,6	1,8	22,8	1388	274	0,153	0,184	1,539
150	1,8	1,8	24,7	1688	296	0,124	0,150	1,494
185	2,0	1,8	26,9	2061	323	0,0991	0,121	1,515
240	2,2	1,9	30,0	2661	360	0,0754	0,0930	1,564
300	2,4	2,0	33,4	3302	401	0,0601	0,0750	1,570
400	2,6	2,2	37,0	4185	444	0,047	0,0604	1,693
500	2,6	2,3	40,6	5265	487	0,0366	0,0490	1,646
630	2,6	2,4	45,1	6651	541	0,0221	0,0401	1,690

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●●	●●●	●●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
1,5	0,1239	14,501	0,505	23	23	29	29	0,17
2,5	0,1201	8,901	0,470	28	29	38	39	0,29
4	0,1160	5,521	0,450	39	40	48	49	0,46
6	0,1106	3,692	0,426	48	49	59	60	0,69
10	0,1045	2,193	0,396	67	69	79	81	1,15
16	0,0999	1,384	0,374	88	90	103	105	1,84
25	0,0989	0,876	0,358	116	117	130	131	2,88
35	0,0962	0,637	0,345	142	146	156	160	4,03
50	0,0966	0,474	0,336	174	179	186	191	5,75
70	0,0910	0,334	0,326	220	227	226	233	8,05
95	0,0905	0,249	0,321	274	281	266	273	10,93
120	0,0886	0,2042	0,316	318	328	304	314	13,8
150	0,0889	0,1744	0,313	366	377	340	351	17,25
185	0,0881	0,1497	0,310	423	436	382	395	21,28
240	0,0876	0,1278	0,307	506	521	441	456	27,6
300	0,0870	0,1149	0,305	592	610	502	520	34,5
400	0,0865	0,1055	0,302	676	687	586	575	46,02
500	0,0863	0,0992	0,299	781	806	774	799	57,53
630	0,0859	0,0948	0,293	901	930	846	875	72,52

NYSY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,3	151	98	12,1	14,5	0,153
2,5	0,8	1,8	13,2	180	106	7,41	8,90	0,166
4	1,0	1,8	15,0	238	120	4,61	5,52	0,186
6	1,0	1,8	16,1	289	129	3,08	3,69	0,201
10	1,0	1,8	17,9	388	143	1,83	2,19	0,221
16	1,0	1,8	19,9	524	159	1,15	1,38	0,236
25	1,2	1,8	23,3	755	186	0,727	0,87	0,245
35	1,2	1,8	25,4	959	203	0,524	0,63	0,259
50	1,4	1,9	29,1	1265	233	0,387	0,464	0,268
70	1,4	2,0	33,5	1900	268	0,268	0,321	0,275
95	1,6	2,2	38,3	2559	306	0,193	0,232	0,282
120	1,6	2,3	41,7	3137	334	0,153	0,184	0,297
150	1,8	2,5	46,4	3867	371	0,124	0,150	0,296
185	2,0	2,6	50,9	4734	407	0,0991	0,121	0,3
240	2,2	2,8	57,5	6103	460	0,0754	0,0930	0,304
300	2,4	3,0	63,4	7560	507	0,0601	0,0750	0,306

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,001	23	29	0,17
2,5	0,1077	8,901	0,304	17,8016	32	40	0,29
4	0,1035	5,5210	0,303	11,0424	42	50	0,46
6	0,0980	3,6913	0,288	7,3833	53	60	0,69
10	0,0918	2,1919	0,269	4,3850	72	84	1,15
16	0,0871	1,3827	0,255	2,7672	93	107	1,84
25	0,0861	0,8743	0,255	1,7512	123	136	2,88
35	0,0833	0,6355	0,246	1,2746	151	162	4,03
50	0,0837	0,4715	0,247	0,9479	182	196	5,75
70	0,0780	0,3303	0,238	0,6673	236	242	8,05
95	0,0775	0,2446	0,233	0,4981	284	286	10,93
120	0,0785	0,1989	0,233	0,4084	326	328	13,8
150	0,0755	0,1681	0,233	0,3487	374	367	17,25
185	0,0750	0,1424	0,233	0,2994	430	408	21,28
240	0,0745	0,1192	0,232	0,2555	511	482	27,6
300	0,0740	0,1054	0,231	0,2297	592	530	34,5

NYSY 0.6/1 kV

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,8	180	102	12,1	14,5	0,369
2,5	0,8	1,8	13,7	220	110	7,41	8,90	0,408
4	1,0	1,8	15,7	299	126	4,61	5,52	0,482
6	1,0	1,8	16,9	371	135	3,08	3,69	0,554
10	1,0	1,8	18,8	513	150	1,83	2,19	0,671
16	1,0	1,8	21,0	744	168	1,15	1,38	0,770
25	1,2	1,8	24,6	1093	197	0,727	0,87	0,809
35	1,2	1,9	27,1	1417	217	0,524	0,63	0,922
50	1,4	2,0	31,1	1848	249	0,387	0,464	0,933
70	1,4	2,2	35,8	2551	286	0,268	0,321	1,024
95	1,6	2,4	41,0	3450	328	0,193	0,232	1,06
120	1,6	2,5	45,0	4248	360	0,153	0,184	1,207
150	1,8	2,6	49,4	5204	395	0,124	0,150	1,165
185	2,0	2,8	54,8	6419	438	0,0991	0,121	1,189
240	2,2	3,1	61,8	8356	494	0,0754	0,0930	1,218
300	2,4	3,3	68,1	10353	545	0,0601	0,0750	1,229

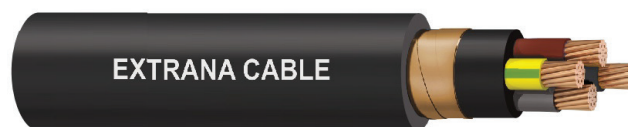
3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	19	25	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	26	34	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	34	40	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	44	50	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	60	69	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	79	89	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	105	115	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	129	138	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	162	170	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	203	208	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	250	249	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	289	284	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	330	318	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	381	360	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	451	416	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	517	469	34,5

NYSY 0.6/1 kV

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- Fire Resistance
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- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	13,4	224	107	12,1	14,5	0,369
2,5	0,8	1,8	14,4	280	115	7,41	8,90	0,408
4	1,0	1,8	16,6	392	133	4,61	5,52	0,482
6	1,0	1,8	17,9	493	143	3,08	3,69	0,554
10	1,0	1,8	20,3	669	162	1,83	2,19	0,671
16	1,0	1,8	22,7	930	182	1,15	1,38	0,770
25	1,2	1,9	27,0	1400	216	0,727	0,87	0,809
35	1,2	2,0	29,8	1822	238	0,524	0,63	0,922
50	1,4	2,1	34,6	2377	277	0,387	0,464	0,933
70	1,4	2,3	39,4	3286	315	0,268	0,321	1,024
95	1,6	2,5	45,5	4447	364	0,193	0,232	1,06
120	1,6	2,6	49,5	5479	396	0,153	0,184	1,207
150	1,8	2,8	55,0	6755	440	0,124	0,150	1,165
185	2,0	3,0	60,6	8333	485	0,0991	0,121	1,189
240	2,2	3,3	68,3	10838	546	0,0754	0,0930	1,218
300	2,4	3,5	75,7	13444	606	0,0601	0,0750	1,229

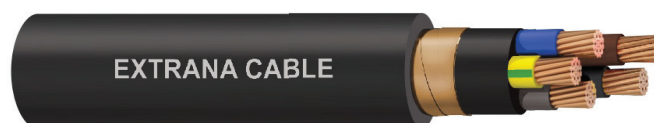
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	22	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	29	35	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	39	46	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	50	57	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	68	77	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	90	99	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	121	128	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	149	154	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	173	173	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	215	212	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	266	255	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	308	289	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	357	327	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	405	366	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	482	425	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	552	479	34,5

NYSY 0.6/1 kV

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- Fire Resistance
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- Flame Retardant Cat. A,B,C
- Flame Retardant Non Category
- Anti Termite
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5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,3	257	114	12,1	14,5	0,369
2,5	0,8	1,8	15,5	325	124	7,41	8,90	0,408
4	1,0	1,8	17,9	460	143	4,61	5,52	0,482
6	1,0	1,8	19,4	583	155	3,08	3,69	0,554
10	1,0	1,8	22,0	801	176	1,83	2,19	0,671
16	1,0	1,8	24,7	1124	198	1,15	1,38	0,770
25	1,2	2,0	29,7	1716	238	0,727	0,87	0,809
35	1,2	2,1	33,2	2240	266	0,524	0,63	0,922
50	1,4	2,3	38,3	2938	306	0,387	0,464	0,933

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	23	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	30	36	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	41	47	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	52	59	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	71	78	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	94	101	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	126	131	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	155	157	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	189	185	5,75

NYCY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	10,2	186	82	12,1	14,5	0,433
2,5	0,8	1,8	10,6	216	85	7,41	8,90	0,481
4	1,0	1,8	11,5	270	92	4,61	5,52	0,576
6	1,0	1,8	12,0	321	96	3,08	3,69	0,673
10	1,0	1,8	13,5	433	108	1,83	2,19	0,831
16	1,0	1,8	14,5	570	116	1,15	1,38	0,965
25	1,2	1,8	16,2	712	130	0,727	0,87	1,005
35	1,2	1,8	17,3	832	138	0,524	0,63	1,156
50	1,4	1,8	19,6	1094	157	0,387	0,464	1,160
70	1,4	1,8	21,4	1433	171	0,268	0,321	1,306
95	1,6	1,8	24,2	1893	194	0,193	0,232	1,341
120	1,6	1,8	25,7	2346	206	0,153	0,184	1,539
150	1,8	1,8	27,7	2682	222	0,124	0,150	1,494
185	2,0	1,9	30,3	3341	242	0,0991	0,121	1,515
240	2,2	2,1	34,5	4268	276	0,0754	0,0930	1,564
300	2,4	2,2	37,8	5264	302	0,0601	0,0750	1,570
400	2,6	2,3	42,1	7057	337	0,047	0,0604	1,693
500	2,8	2,4	46,0	8258	368	0,0366	0,0490	1,646
630	2,8	2,6	50,8	10359	406	0,0221	0,0401	1,690

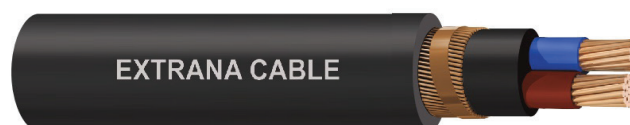
1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●●	●●●	●●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
1,5	0,1239	14,501	0,505	23	23	29	29	0,17
2,5	0,1201	8,901	0,470	28	29	38	39	0,29
4	0,1160	5,521	0,450	39	40	48	49	0,46
6	0,1106	3,692	0,426	48	49	59	60	0,69
10	0,1045	2,193	0,396	67	69	79	81	1,15
16	0,0999	1,384	0,374	88	90	103	105	1,84
25	0,0989	0,876	0,358	116	117	130	131	2,88
35	0,0962	0,637	0,345	142	146	156	160	4,03
50	0,0966	0,474	0,336	174	179	186	191	5,75
70	0,0910	0,334	0,326	220	227	226	233	8,05
95	0,0905	0,249	0,321	274	281	266	273	10,93
120	0,0886	0,2042	0,316	318	328	304	314	13,8
150	0,0889	0,1744	0,313	366	377	340	351	17,25
185	0,0881	0,1497	0,310	423	436	382	395	21,28
240	0,0876	0,1278	0,307	506	521	441	456	27,6
300	0,0870	0,1149	0,305	592	610	502	520	34,5
400	0,0865	0,1055	0,302	676	687	586	575	46,02
500	0,0863	0,0992	0,299	781	806	774	799	57,53
630	0,0859	0,0948	0,293	901	930	846	875	72,52

NYCY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

2 CORE		DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	13,4	272	107	12,1	14,5	0,153
2,5	0,8	1,8	14,3	322	114	7,41	8,90	0,166
4	1,0	1,8	16,1	413	129	4,61	5,52	0,186
6	1,0	1,8	17,2	496	138	3,08	3,69	0,201
10	1,0	1,8	19,5	667	156	1,83	2,19	0,221
16	1,0	1,8	21,6	886	173	1,15	1,38	0,236
25	1,2	1,8	24,9	1156	199	0,727	0,87	0,245
35	1,2	1,8	27,1	1393	217	0,524	0,63	0,259
50	1,4	2,0	31,6	1862	253	0,387	0,464	0,268
70	1,4	2,1	35,7	2501	286	0,268	0,321	0,275
95	1,6	2,3	41,1	3328	329	0,193	0,232	0,282
120	1,6	2,4	44,4	4087	355	0,153	0,184	0,297
150	1,8	2,5	48,9	4847	391	0,124	0,150	0,296
185	2,0	2,7	53,9	5984	431	0,0991	0,121	0,3
240	2,2	2,9	61,4	7680	491	0,0754	0,0930	0,304
300	2,4	3,1	67,3	9404	538	0,0601	0,0750	0,306

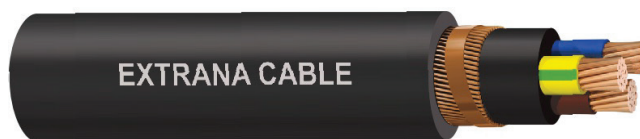
2 CORE		DIMENSIONAL AND ELECTRICAL DATA					
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,001	23	29	0,17
2,5	0,1077	8,901	0,304	17,8016	32	40	0,29
4	0,1035	5,5210	0,303	11,0424	42	50	0,46
6	0,0980	3,6913	0,288	7,3833	53	60	0,69
10	0,0918	2,1919	0,269	4,3850	72	84	1,15
16	0,0871	1,3827	0,255	2,7672	93	107	1,84
25	0,0861	0,8743	0,255	1,7512	123	136	2,88
35	0,0833	0,6355	0,246	1,2746	151	162	4,03
50	0,0837	0,4715	0,247	0,9479	182	196	5,75
70	0,0780	0,3303	0,238	0,6673	236	242	8,05
95	0,0775	0,2446	0,233	0,4981	284	286	10,93
120	0,0785	0,1989	0,233	0,4084	326	328	13,8
150	0,0755	0,1681	0,233	0,3487	374	367	17,25
185	0,0750	0,1424	0,233	0,2994	430	408	21,28
240	0,0745	0,1192	0,232	0,2555	511	482	27,6
300	0,0740	0,1054	0,231	0,2297	592	530	34,5

NYCY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	13,9	304	111	12,1	14,5	0,369
2,5	0,8	1,8	14,8	365	118	7,41	8,90	0,408
4	1,0	1,8	16,8	480	134	4,61	5,52	0,482
6	1,0	1,8	18,0	585	144	3,08	3,69	0,554
10	1,0	1,8	20,5	802	164	1,83	2,19	0,671
16	1,0	1,8	22,7	1080	182	1,15	1,38	0,770
25	1,2	1,8	26,3	1456	210	0,727	0,87	0,809
35	1,2	1,9	28,9	1808	231	0,524	0,63	0,922
50	1,4	2,0	33,8	2430	270	0,387	0,464	0,933
70	1,4	2,2	38,0	3267	304	0,268	0,321	1,024
95	1,6	2,4	43,7	4362	350	0,193	0,232	1,06
120	1,6	2,5	47,8	5439	382	0,153	0,184	1,207
150	1,8	2,6	52,2	6445	418	0,124	0,150	1,165
185	2,0	2,8	57,9	8015	463	0,0991	0,121	1,189
240	2,2	3,1	65,6	10264	525	0,0754	0,0930	1,218
300	2,4	3,3	72,0	12623	576	0,0601	0,0750	1,229

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	19	25	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	26	34	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	34	40	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	44	50	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	60	69	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	79	89	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	105	115	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	129	138	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	162	170	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	203	208	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	250	249	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	289	284	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	330	318	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	381	360	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	451	416	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	517	469	34,5

NYCY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,8	347	118	12,1	14,5	0,369
2,5	0,8	1,8	15,8	420	126	7,41	8,90	0,408
4	1,0	1,8	18,0	559	144	4,61	5,52	0,482
6	1,0	1,8	19,3	686	154	3,08	3,69	0,554
10	1,0	1,8	22,0	949	176	1,83	2,19	0,671
16	1,0	1,8	24,5	1293	196	1,15	1,38	0,770
25	1,2	1,9	28,7	1793	230	0,727	0,87	0,809
35	1,2	2,0	31,6	2249	253	0,524	0,63	0,922
50	1,4	2,1	36,9	3016	295	0,387	0,464	0,933
70	1,4	2,3	41,6	4079	333	0,268	0,321	1,024
95	1,6	2,5	48,3	5515	386	0,193	0,232	1,06
120	1,6	2,6	52,3	6784	418	0,153	0,184	1,207
150	1,8	2,8	57,8	8194	462	0,124	0,150	1,165
185	2,0	3,0	63,7	10100	510	0,0991	0,121	1,189
240	2,2	3,3	72,2	12967	578	0,0754	0,0930	1,218
300	2,4	3,5	79,6	16038	637	0,0601	0,0750	1,229

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	22	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	29	35	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	39	46	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	50	57	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	68	77	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	90	99	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	121	128	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	149	154	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	173	173	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	215	212	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	266	255	10,93
120	0,0785	0,1989	0,233	0,4084	0,3441	308	289	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	357	327	17,25
185	0,0750	0,1424	0,233	0,2994	0,2463	405	366	21,28
240	0,0745	0,1192	0,232	0,2555	0,2061	482	425	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	552	479	34,5

NYCY 0.6/1 kV

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

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	15,7	390	126	12,1	14,5	0,369
2,5	0,8	1,8	16,8	475	134	7,41	8,90	0,408
4	1,0	1,8	19,3	640	154	4,61	5,52	0,482
6	1,0	1,8	20,8	792	166	3,08	3,69	0,554
10	1,0	1,8	23,7	1100	190	1,83	2,19	0,671
16	1,0	1,8	26,5	1509	212	1,15	1,38	0,770
25	1,2	2,0	31,5	2149	252	0,727	0,87	0,809
35	1,2	2,1	35,0	2740	280	0,524	0,63	0,922
50	1,4	2,3	40,6	3640	325	0,387	0,464	0,933

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	23	27	0,17
2,5	0,1077	8,901	0,304	17,8016	15,3981	30	36	0,29
4	0,1035	5,5210	0,303	11,0424	9,5513	41	47	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	52	59	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	71	78	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	94	101	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	126	131	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	155	157	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	189	185	5,75

NYFGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Flat Armoured,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



Special Features on Request

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

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

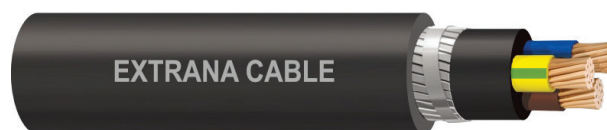
2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,8	502	266	12,1	14,5	0,064
2,5	0,8	1,8	15,9	563	286	7,41	8,90	0,071
4	1,0	1,8	17,7	692	318	4,61	5,52	0,081
6	1,0	1,8	18,8	789	338	3,08	3,69	0,087
10	1,0	1,8	20,6	966	370	1,83	2,19	0,096
16	1,0	1,8	22,5	1181	404	1,15	1,38	0,100
25	1,2	1,8	26,0	1589	467	0,727	0,87	0,105
35	1,2	1,9	28,3	1921	509	0,524	0,63	0,111
50	1,4	2,0	32,0	2419	575	0,387	0,464	0,115
70	1,4	2,1	36,1	3126	649	0,268	0,321	0,117
95	1,6	2,3	40,9	4010	736	0,193	0,232	0,122
120	1,6	2,4	44,3	4762	797	0,153	0,184	0,126
150	1,8	2,5	48,8	5736	878	0,124	0,150	0,127
185	2,0	2,7	53,5	6886	962	0,0991	0,121	0,128
240	2,2	2,9	60,1	8698	1081	0,0754	0,0930	0,130
300	2,4	3,1	66,0	10526	1187	0,0601	0,0750	0,130

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	23	29	0,21
2,5	0,1007	9,481	0,293	18,9959	32	40	0,36
4	0,0947	3,9410	0,275	11,8414	42	50	0,57
6	0,0902	2,3416	0,263	7,9264	53	60	0,86
10	0,0852	1,4723	0,248	4,7324	72	84	1,43
16	0,0815	0,9336	0,238	2,9469	93	107	2,29
25	0,0816	0,6757	0,240	1,8706	123	136	3,58
35	0,0794	0,5013	0,233	1,3559	151	162	5,01
50	0,0792	0,3511	0,232	1,0083	182	196	7,15
70	0,0752	0,2577	0,229	0,7097	236	242	10,01
95	0,0734	0,2090	0,224	0,5250	284	286	13,59
120	0,0732	0,1750	0,223	0,4296	326	328	17,16
150	0,0727	0,1463	0,224	0,3640	374	367	21,45
185	0,0726	0,1204	0,225	0,3085	430	408	26,46
240	0,0719	0,1048	0,223	0,2593	511	482	34,32
300	0,711	0,0927	0,221	0,2302	592	530	42,9

NYFGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Flat Armoured,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



Special Features on Request

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

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

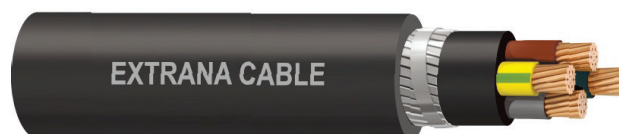
3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	15,5	537	278	12,1	14,5	0,161
2,5	0,8	1,8	16,4	610	295	7,41	8,90	0,191
4	1	1,8	18,4	765	331	4,61	5,52	0,244
6	1	1,8	19,6	888	352	3,08	3,69	0,283
10	1	1,8	21,5	1104	386	1,83	2,19	0,347
16	1	1,8	23,6	1378	424	1,15	1,38	0,401
25	1,2	1,8	27,4	1890	493	0,727	0,87	0,406
35	1,2	1,9	29,9	2310	538	0,524	0,63	0,464
50	1,4	2,0	33,8	2933	608	0,387	0,464	0,479
70	1,4	2,2	38,4	3857	691	0,268	0,321	0,490
95	1,6	2,4	43,6	4998	784	0,193	0,232	0,564
120	1,6	2,5	47,6	6032	856	0,153	0,184	0,605
150	1,8	2,6	52,0	7218	935	0,124	0,150	0,569
185	2	2,8	57,4	8776	1033	0,0991	0,121	0,563
240	2,2	3,0	64,2	11062	1155	0,0754	0,0930	0,594
300	2,4	3,2	70,5	13453	1268	0,0601	0,0750	0,616

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	19	25	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	26	34	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	34	40	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	44	50	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	60	69	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	79	89	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	105	115	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	129	138	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	162	170	71,15
70	0,0752	0,2577	0,229	0,7097	0,6075	203	208	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	250	249	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	289	284	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	330	318	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	381	360	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	451	416	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	517	469	42,9

NYFGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Flat Armoured,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



Special Features on Request

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

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	16,4	598	295	12,1	14,5	0,161
2,5	0,8	1,8	17,4	688	313	7,41	8,90	0,191
4	1	1,8	19,6	873	352	4,61	5,52	0,244
6	1	1,8	20,9	1014	376	3,08	3,69	0,283
10	1	1,8	23,1	1288	415	1,83	2,19	0,347
16	1	1,8	25,4	1620	457	1,15	1,38	0,401
25	1,2	1,9	29,8	2270	536	0,727	0,87	0,406
35	1,2	2,0	32,6	2797	586	0,524	0,63	0,464
50	1,4	2,2	37,6	3638	676	0,387	0,464	0,479
70	1,4	2,3	42,0	4721	755	0,268	0,321	0,490
95	1,6	2,5	48,1	6204	865	0,193	0,232	0,564
120	1,6	2,6	52,2	7443	939	0,153	0,184	0,605
150	1,8	2,8	57,6	9038	1036	0,124	0,150	0,569
185	2	3,0	63,2	10921	1137	0,0991	0,121	0,563
240	2,2	3,2	70,7	13806	1272	0,0754	0,0930	0,594
300	2,4	3,5	78,3	16966	1409	0,0601	0,0750	0,616

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	22	27	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	29	35	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	39	46	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	50	57	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	68	77	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	90	99	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	121	128	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	149	154	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	173	173	71,15
70	0,0752	0,2577	0,229	0,7097	0,6075	215	212	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	266	255	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	308	289	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	357	327	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	405	366	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	482	425	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	552	479	42,9

NYFGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Flat Armoured,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
5	1,5	0,8	1,8	17	660	310,86	14,5	0,161
5	2,5	0,8	1,8	18	763	330,66	8,9	0,191
5	4	1,0	1,8	21	981	375,66	5,52	0,244
5	6	1,0	1,8	22	1157	402,66	3,69	0,283
5	10	1,0	1,8	25	1477	445,86	2,19	0,347
5	16	1,0	1,8	27	1877	492,66	1,38	0,401
5	25	1,2	2,0	32	2673	584,46	0,87	0,406
5	35	1,2	2,1	36	3351	647,46	0,63	0,464
5	50,0	1,4	2,4	45	4428	809,46	0,464	0,479

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
5	0,108	15,500	0,315	31,0259	26,8156	23	27	0,21
5	0,1007	9,481	0,293	18,9959	16,4013	30	36	0,36
5	0,0947	3,9410	0,275	11,8414	10,2083	41	47	0,57
5	0,0902	2,3416	0,263	7,9264	6,8180	52	59	0,86
5	0,0852	1,4723	0,248	4,7324	4,0509	71	78	1,43
5	0,0815	0,9336	0,238	2,9469	2,5470	94	101	2,29
5	0,0816	0,6757	0,240	1,8706	1,6151	126	131	3,58
5	0,0794	0,5013	0,233	1,3559	1,1689	155	157	5,01
5	0,0792	0,3511	0,232	1,0083	0,8673	189	185	71,15

NYR(A)Y 0.6/1 kV

Copper Conductor, PVC Insulated,
Aluminium Round Wire Armoured,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are propone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
16	1,0	1,8	13,1	380	209	1,15	1,38	0,776
25	1,2	1,8	14,7	536	234	0,727	0,87	0,833
35	1,2	1,8	15,8	652	252	0,524	0,63	0,955
50	1,4	1,8	17,6	810	281	0,387	0,464	0,982
70	1,4	1,8	19,3	1073	308	0,268	0,321	1,102
95	1,6	1,8	21,5	1379	343	0,193	0,232	1,153
120	1,6	1,8	23,1	1645	369	0,153	0,184	1,320
150	1,8	1,8	25,0	1963	399	0,124	0,150	1,302
185	2,0	1,8	27,2	2365	434	0,0991	0,121	1,338
240	2,2	1,9	30,3	3061	484	0,0754	0,0930	1,395
300	2,4	2,0	33,7	3774	538	0,0601	0,0750	1,412
400	2,6	2,1	37,1	4669	593	0,047	0,0604	1,488
500	2,6	2,1	37,1	4669	593	0,0366	0,0490	1,471
630	2,6	2,1	37,1	4669	593	0,0221	0,0401	1,493

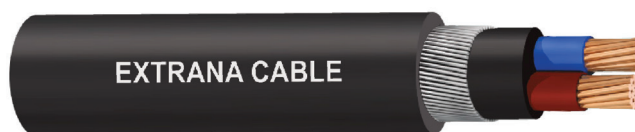
1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●	●●●	●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
16	0,1058	1,384	0,374	88	90	103	105	1,84
25	0,1037	0,876	0,358	116	117	130	131	2,88
35	0,1004	0,638	0,345	142	146	156	160	4,03
50	0,0997	0,475	0,336	174	179	186	191	5,75
70	0,0937	0,334	0,326	220	227	226	233	8,05
95	0,0928	0,250	0,321	274	281	266	273	10,9
120	0,0906	0,2051	0,316	318	328	304	314	13,8
150	0,0911	0,1755	0,313	366	377	340	351	17,3
185	0,0898	0,1507	0,310	423	436	382	395	21,3
240	0,0891	0,1288	0,307	506	521	441	456	27,6
300	0,0884	0,1159	0,305	592	610	502	520	34,5
400	0,0880	0,1067	0,302	676	687	586	575	46,0
500	0,0879	0,1006	0,299	781	806	774	799	57,5
630	0,0876	0,0963	0,293	901	930	846	875	72,5

NYRY/NYRGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Round Wire Armoured
with or without Steel Tape,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,3	351	229	12,1	14,5	0,153
2,5	0,8	1,8	15,0	419	240	7,41	8,90	0,166
4	1,0	1,8	17,5	617	280	4,61	5,52	0,186
6	1,0	1,8	18,6	704	298	3,08	3,69	0,201
10	1,0	1,8	20,4	875	326	1,83	2,19	0,221
16	1,0	1,8	23,1	1193	370	1,15	1,38	0,236
25	1,2	1,8	26,5	1598	424	0,727	0,87	0,245
35	1,2	1,9	28,8	1919	461	0,524	0,63	0,259
50	1,4	2,0	32,5	2425	520	0,387	0,464	0,268
70	1,4	2,2	37,8	3381	605	0,268	0,321	0,275
95	1,6	2,3	42,4	4261	678	0,193	0,232	0,282
120	1,6	2,5	47,0	5407	752	0,153	0,184	0,297
150	1,8	2,6	51,5	6470	824	0,124	0,150	0,296
185	2,0	2,8	56,2	7672	899	0,0991	0,121	0,300
240	2,2	3,0	62,8	9562	1005	0,0754	0,0930	0,304
300	2,4	3,2	68,7	11491	1099	0,0601	0,0750	0,306

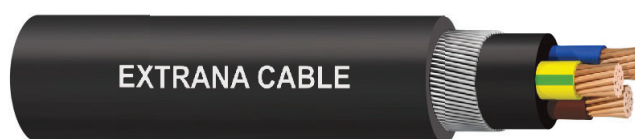
2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,001	23	29	0,173
2,5	0,1077	8,901	0,304	17,802	32	40	0,283
4	0,1035	5,5210	0,303	11,042	42	50	0,46
6	0,0980	3,6913	0,288	7,383	53	60	0,69
10	0,0918	2,1919	0,269	4,385	72	84	1,15
16	0,0871	1,3827	0,255	2,767	93	107	1,84
25	0,0861	0,8743	0,255	1,751	123	136	2,88
35	0,0833	0,6355	0,246	1,275	151	162	4,03
50	0,0837	0,4715	0,247	0,948	182	196	5,75
70	0,0780	0,3303	0,238	0,667	236	242	8,05
95	0,0775	0,2446	0,233	0,498	284	286	10,9
120	0,0755	0,1989	0,233	0,408	326	328	13,8
150	0,0758	0,1681	0,233	0,349	374	367	17,3
185	0,0750	0,1424	0,233	0,299	430	408	21,3
240	0,0745	0,1192	0,232	0,256	511	482	27,6
300	0,0740	0,1054	0,231	0,230	592	530	34,5

NYRY/NYRGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Round Wire Armoured
with or without Steel Tape,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,6	400	234	12,1	14,5	0,369
2,5	0,8	1,8	15,5	465	248	7,41	8,90	0,408
4	1,0	1,8	18,2	683	291	4,61	5,52	0,482
6	1,0	1,8	19,4	800	310	3,08	3,69	0,554
10	1,0	1,8	21,3	999	341	1,83	2,19	0,671
16	1,0	1,8	24,2	1395	387	1,15	1,38	0,770
25	1,2	1,8	27,9	1892	446	0,727	0,87	0,809
35	1,2	1,9	30,4	2317	486	0,524	0,63	0,922
50	1,4	2,1	35,5	3167	568	0,387	0,464	0,933
70	1,4	2,2	39,9	4088	638	0,268	0,321	1,024
95	1,6	2,4	46,1	5597	738	0,193	0,232	1,06
120	1,6	2,6	50,3	6712	805	0,153	0,184	1,207
150	1,8	2,7	54,7	7994	875	0,124	0,150	1,165
185	2,0	2,9	60,1	9619	962	0,0991	0,121	1,189
240	2,2	3,1	66,9	11979	1070	0,0754	0,0930	1,218
300	2,4	3,4	74,7	15214	1195	0,0601	0,0750	1,229

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	19	25	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	26	34	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	34	40	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	44	50	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	60	69	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	79	89	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	105	115	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	129	138	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	162	170	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	203	208	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	250	249	10,9
120	0,0785	0,1989	0,233	0,4084	0,3441	289	284	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	330	318	17,3
185	0,0750	0,1424	0,233	0,2994	0,2463	381	360	21,3
240	0,0745	0,1192	0,232	0,2555	0,2061	451	416	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	517	469	34,5

NYRY/NYRGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Round Wire Armoured
with or without Steel Tape,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	15,4	446	246	12,1	14,5	0,369
2,5	0,8	1,8	17,1	608	274	7,41	8,90	0,408
4	1,0	1,8	19,3	773	309	4,61	5,52	0,482
6	1,0	1,8	20,6	911	330	3,08	3,69	0,554
10	1,0	1,8	23,5	1286	376	1,83	2,19	0,671
16	1,0	1,8	26,0	1642	416	1,15	1,38	0,770
25	1,2	1,9	30,3	2276	485	0,727	0,87	0,809
35	1,2	2,1	34,3	3033	549	0,524	0,63	0,922
50	1,4	2,2	39,0	3861	624	0,387	0,464	0,933
70	1,4	2,4	43,7	5011	699	0,268	0,321	1,024
95	1,6	2,6	50,8	6912	813	0,193	0,232	1,06
120	1,6	2,7	54,8	8207	877	0,153	0,184	1,207
150	1,8	2,9	60,3	9870	965	0,124	0,150	1,165
185	2,0	3,1	65,9	11822	1054	0,0991	0,121	1,189
240	2,2	3,4	74,9	15624	1198	0,0754	0,0930	1,218
300	2,4	3,6	82,3	18879	1317	0,0601	0,0750	1,229

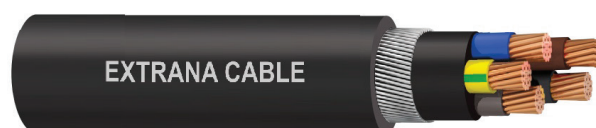
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	22	27	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	29	35	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	39	46	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	50	57	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	68	77	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	90	99	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	121	128	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	149	154	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	173	173	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	215	212	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	266	255	10,9
120	0,0785	0,1989	0,233	0,4084	0,3441	308	289	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	357	327	17,3
185	0,0750	0,1424	0,233	0,2994	0,2463	405	366	21,3
240	0,0745	0,1192	0,232	0,2555	0,2061	482	425	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	552	479	34,5

NYRY/NYRGbY 0.6/1 kV

Copper Conductor, PVC Insulated,
Galvanized Steel Round Wire Armoured
with or without Steel Tape,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	17,0	585	272	12,1	14,5	0,369
2,5	0,8	1,8	18,2	680	291	7,41	8,90	0,408
4	1,0	1,8	20,6	878	330	4,61	5,52	0,482
6	1,0	1,8	22,8	1154	365	3,08	3,69	0,554
10	1,0	1,8	25,2	1478	403	1,83	2,19	0,671
16	1,0	1,9	28,2	1913	451	1,15	1,38	0,770
25	1,2	2,0	33,9	2863	542	0,727	0,87	0,809
35	1,2	2,2	37,7	3605	603	0,524	0,63	0,922
50	1,4	2,3	42,5	4573	680	0,387	0,464	0,933

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	23	27	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	30	36	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	41	47	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	52	59	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	71	78	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	94	101	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	126	131	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	155	157	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	189	185	5,75

N2XR(AI)Y 0.6/1 kV

Copper Conductor, XLPE Insulated,
Aluminium Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are propone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
16	0,7	1,8	12,5	347	199	1,15	1,47	0,371
25	0,9	1,8	14,1	495	225	0,727	0,93	0,391
35	0,9	1,8	15,2	606	242	0,524	0,671	0,45
50	1,0	1,8	16,8	750	268	0,387	0,495	0,483
70	1,1	1,8	18,7	982	298	0,268	0,319	0,512
95	1,1	1,8	20,5	1285	327	0,193	0,247	0,592
120	1,2	1,8	22,3	1558	356	0,153	0,196	0,641
150	1,4	1,8	24,2	1862	386	0,124	0,159	0,607
185	1,6	1,8	26,4	2247	422	0,0991	0,127	0,617
240	1,7	1,9	29,3	2906	468	0,0754	0,0965	0,665
300	1,8	2,0	32,5	3580	519	0,0601	0,0769	0,693
400	2,0	2,1	35,9	4443	574	0,047	0,0602	0,705
500	2,0	2,2	39,5	5535	631	0,0366	0,0468	0,707
630	2	2,4	44,3	7172	708	0,0221	0,0362	0,766

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●	●●●	●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
16	0,101	1,474	0,361	107	110	121	120	2,29
25	0,100	0,935	0,348	144	148	155	154	3,58
35	0,097	0,678	0,335	176	181	185	187	5,01
50	0,096	0,504	0,325	217	224	220	218	7,15
70	0,091	0,355	0,316	278	286	272	268	10,01
95	0,089	0,263	0,310	342	353	323	319	13,59
120	0,0879	0,2148	0,305	398	420	364	360	17,16
150	0,0886	0,182	0,305	457	472	409	403	21,45
185	0,0875	0,1542	0,304	531	548	460	454	26,46
240	0,0866	0,1297	0,300	635	655	533	525	34,32
300	0,0857	0,1151	0,295	732	755	597	588	42,9
400	0,0855	0,1045	0,295	850	877	673	662	57,2
500	0,0851	0,0971	0,292	987	1020	759	746	71,5
630	0,0843	0,0917	0,289	1142	1180	850	835	90,09

N2XRY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Galvanized Steel Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,1	354	226	12,1	15,5	0,064
2,5	0,7	1,8	14,7	389	235	7,41	9,48	0,071
4	0,7	1,8	15,7	453	251	4,61	5,9	0,081
6	0,7	1,8	17,5	618	280	3,08	3,94	0,087
10	0,7	1,8	19,3	764	309	1,83	2,34	0,096
16	0,7	1,8	21,4	974	342	1,15	1,47	0,100
25	0,9	1,8	25,4	1428	406	0,727	0,93	0,105
35	0,9	1,8	27,6	1729	442	0,524	0,671	0,111
50	1,0	1,9	30,9	2152	494	0,387	0,495	0,115
70	1,1	2,1	36,6	3080	586	0,268	0,319	0,117
95	1,1	2,3	40,6	3825	650	0,193	0,247	0,122
120	1,2	2,4	44,3	4578	709	0,153	0,196	0,126
150	1,4	2,6	50,1	5889	802	0,124	0,159	0,127
185	1,6	2,7	54,6	6996	874	0,0991	0,127	0,128
240	1,7	2,9	60,9	8697	974	0,0754	0,0965	0,130
300	1,8	3,1	66,4	10379	1062	0,0601	0,0769	0,130

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	30	39	0,21
2,5	0,1007	9,481	0,293	18,9959	39	53	0,36
4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25	0,0816	0,6757	0,240	1,8706	167	200	3,58
35	0,0794	0,5013	0,233	1,3559	206	239	5,01
50	0,0792	0,3511	0,232	1,0083	250	287	7,15
70	0,0752	0,2577	0,229	0,7097	322	352	10,01
95	0,0734	0,2090	0,224	0,5250	392	423	13,59
120	0,0732	0,1750	0,223	0,4296	460	484	17,16
150	0,0727	0,1463	0,224	0,3640	521	544	21,45
185	0,0726	0,1204	0,225	0,3085	600	614	26,46
240	0,0719	0,1048	0,223	0,2593	655	711	34,32
300	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XRY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Galvanized Steel Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,3	371	229	12,1	15,5	0,161
2,5	0,7	1,8	15,3	435	245	7,41	9,48	0,191
4	0,7	1,8	17,1	600	274	4,61	5,9	0,244
6	0,7	1,8	18,2	695	291	3,08	3,94	0,283
10	0,7	1,8	20,2	892	323	1,83	2,34	0,347
16	0,7	1,8	23,1	1257	370	1,15	1,47	0,401
25	0,9	1,8	26,7	1709	427	0,727	0,93	0,406
35	0,9	1,9	29,2	2106	467	0,524	0,671	0,464
50	1,0	2,0	33,8	2855	541	0,387	0,495	0,479
70	1,1	2,2	38,8	3790	621	0,268	0,319	0,490
95	1,1	2,3	42,9	4769	686	0,193	0,247	0,564
120	1,2	2,5	48,5	6199	776	0,153	0,196	0,605
150	1,4	2,7	53,2	7389	851	0,124	0,159	0,569
185	1,6	2,8	58,0	8815	928	0,0991	0,127	0,563
240	1,7	3,1	64,9	11059	1038	0,0754	0,0965	0,594
300	1,8	3,2	70,7	13303	1131	0,0601	0,0769	0,616

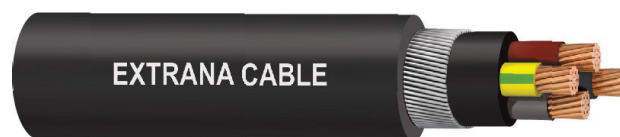
3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XRY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Galvanized Steel Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

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Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	15,1	420	242	12,1	115,5	0,161
2,5	0,7	1,8	16,8	567	269	7,41	9,48	0,191
4	0,7	1,8	18,0	676	288	4,61	5,9	0,244
6	0,7	1,8	19,3	795	309	3,08	3,94	0,283
10	0,7	1,8	22,2	1150	355	1,83	2,34	0,347
16	0,7	1,8	24,7	1487	395	1,15	1,47	0,401
25	0,9	1,9	29,0	2076	464	0,727	0,93	0,406
35	0,9	2,0	31,8	2571	509	0,524	0,671	0,464
50	1,0	2,1	37,1	3513	594	0,387	0,495	0,479
70	1,1	2,3	42,2	4634	675	0,268	0,319	0,490
95	1,1	2,5	47,9	6251	766	0,193	0,247	0,564
120	1,2	2,7	53,1	7646	850	0,153	0,196	0,605
150	1,4	2,8	58,0	9128	928	0,124	0,159	0,569
185	1,6	3,0	64,0	11015	1024	0,0991	0,127	0,563
240	1,7	3,3	71,3	13834	1141	0,0754	0,0965	0,594
300	1,8	3,5	79,5	17575	1272	0,0601	0,0769	0,616

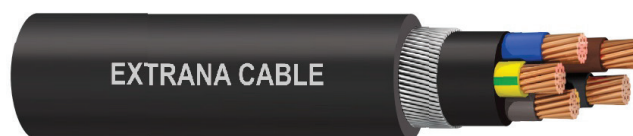
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	236	232	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

N2XRY 0.6/1 kV

Copper Conductor, XLPE Insulated,
Galvanized Steel Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	16,6	544	266	12,1	15,5	0,161
2,5	0,7	1,8	17,8	635	285	7,41	9,48	0,191
4	0,7	1,8	19,2	765	307	4,61	5,9	0,244
6	0,7	1,8	20,6	913	330	3,08	3,94	0,283
10	0,7	1,8	23,7	1313	379	1,83	2,34	0,347
16	0,7	1,8	26,5	1730	424	1,15	1,47	0,401
25	0,9	2,0	31,5	2443	504	0,727	0,93	0,406
35	0,9	2,1	35,6	3264	570	0,524	0,671	0,464
50	1,0	2,3	40,5	4193	648	0,387	0,495	0,479

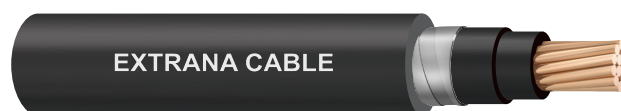
5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15

N2XB(AI)Y

Copper Conductor, XLPE Insulated,
Double Aluminium Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
16	0,7	1,8	14,4	425	258	1,15	1,47	0,371
25	0,9	1,8	16,0	555	287	0,727	0,93	0,391
35	0,9	1,8	17,1	672	307	0,524	0,671	0,45
50	1,0	1,8	18,7	832	336	0,387	0,495	0,483
70	1,1	1,8	20,6	1075	370	0,268	0,319	0,512
95	1,1	1,8	22,4	1354	402	0,193	0,247	0,592
120	1,2	1,8	24,2	1633	435	0,153	0,196	0,641
150	1,4	1,8	26,1	1945	469	0,124	0,159	0,607
185	1,6	1,9	28,5	2355	512	0,0991	0,127	0,617
240	1,7	2,0	31,4	2967	564	0,0754	0,0965	0,665
300	1,8	2,1	34,6	3658	622	0,0601	0,0769	0,693
400	2,0	2,2	38,0	4540	683	0,047	0,0602	0,705
500	2,0	2,3	41,6	5659	748	0,0366	0,0468	0,707
630	2	2,4	46,1	7141	829	0,0221	0,0362	0,766

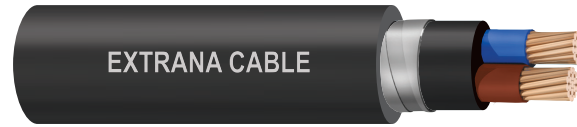
1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●●	●●●	●●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
16	0,101	1,474	0,361	107	110	121	120	2,29
25	0,100	0,935	0,348	144	148	155	154	3,58
35	0,097	0,678	0,335	176	181	185	187	5,01
50	0,096	0,504	0,325	217	224	220	218	7,15
70	0,091	0,355	0,316	278	286	272	268	10,01
95	0,089	0,263	0,310	342	353	323	319	13,59
120	0,0879	0,2148	0,305	398	420	364	360	17,16
150	0,0886	0,182	0,305	457	472	409	403	21,45
185	0,0875	0,1542	0,304	531	548	460	454	26,46
240	0,0866	0,1297	0,300	635	655	533	525	34,32
300	0,0857	0,1151	0,295	732	755	597	588	42,9
400	0,0855	0,1045	0,295	850	877	673	662	57,2
500	0,0851	0,0971	0,292	987	1020	759	746	71,5
630	0,0843	0,0917	0,289	1142	1180	850	835	90,09

N2XBY

Copper Conductor, XLPE Insulated,
Double Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,1	240	262	12,1	15,5	0,064
2,5	0,7	1,8	14,0	277	280	7,41	9,48	0,071
4	0,7	1,8	15,0	332	300	4,61	5,9	0,081
6	0,7	1,8	16,1	398	322	3,08	3,94	0,087
10	0,7	1,8	18,0	503	360	1,83	2,34	0,096
16	0,7	1,8	20,1	666	402	1,15	1,47	0,100
25	0,9	1,8	23,3	993	466	0,727	0,93	0,105
35	0,9	1,8	25,4	1245	508	0,524	0,671	0,111
50	1,0	1,9	28,7	1598	574	0,387	0,495	0,115
70	1,1	2,0	33,2	2202	664	0,268	0,319	0,117
95	1,1	2,2	38,0	2953	760	0,193	0,247	0,122
120	1,2	2,3	41,8	3634	836	0,153	0,196	0,126
150	1,4	2,4	46,3	4462	926	0,124	0,159	0,127
185	1,6	2,6	51,0	5456	1020	0,0991	0,127	0,128
240	1,7	2,8	57,2	7009	1144	0,0754	0,0965	0,130
300	1,8	3,0	62,7	8575	1254	0,0601	0,0769	0,130

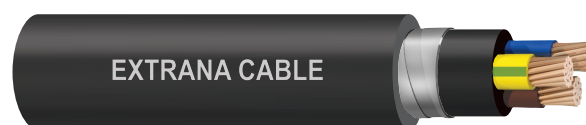
2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	30	39	0,21
2,5	0,1007	9,481	0,293	18,9959	39	53	0,36
4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25	0,0816	0,6757	0,240	1,8706	167	200	3,58
35	0,0794	0,5013	0,233	1,3559	206	239	5,01
50	0,0792	0,3511	0,232	1,0083	250	287	7,15
70	0,0752	0,2577	0,229	0,7097	322	352	10,01
95	0,0734	0,2090	0,224	0,5250	392	423	13,59
120	0,0732	0,1750	0,223	0,4296	460	484	17,16
150	0,0727	0,1463	0,224	0,3640	521	544	21,45
185	0,0726	0,1204	0,225	0,3085	600	614	26,46
240	0,0719	0,1048	0,223	0,2593	655	711	34,32
300	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XBY

Copper Conductor, XLPE Insulated,
Double Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,6	260	272	12,1	15,5	0,161
2,5	0,7	1,8	14,5	309	290	7,41	9,48	0,191
4	0,7	1,8	15,6	379	312	4,61	5,9	0,244
6	0,7	1,8	16,8	463	336	3,08	3,94	0,283
10	0,7	1,8	18,7	627	374	1,83	2,34	0,347
16	0,7	1,8	20,9	850	418	1,15	1,47	0,401
25	0,9	1,8	24,6	1230	492	0,727	0,93	0,406
35	0,9	1,8	26,9	1564	538	0,524	0,671	0,464
50	1,0	1,9	30,4	2016	608	0,387	0,495	0,479
70	1,1	2,1	35,4	2818	708	0,268	0,319	0,490
95	1,1	2,3	40,5	3790	810	0,193	0,247	0,564
120	1,2	2,4	45,0	4733	900	0,153	0,196	0,605
150	1,4	2,6	49,6	5783	992	0,124	0,159	0,569
185	1,6	2,7	54,4	7054	1088	0,0991	0,127	0,563
240	1,7	2,9	61,1	9096	1222	0,0754	0,0965	0,594
300	1,8	3,1	67,0	11169	1340	0,0601	0,0769	0,616

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XBY

Copper Conductor, XLPE Insulated,
Double Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are propone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

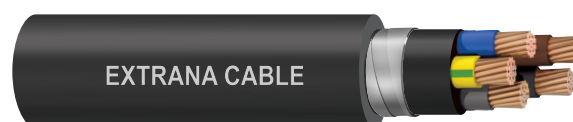
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,4	293	288	12,1	15,5	0,161
2,5	0,7	1,8	15,4	354	308	7,41	9,48	0,191
4	0,7	1,8	16,6	439	332	4,61	5,9	0,244
6	0,7	1,8	17,9	544	358	3,08	3,94	0,283
10	0,7	1,8	20,1	750	402	1,83	2,34	0,347
16	0,7	1,8	22,6	1032	452	1,15	1,47	0,401
25	0,9	1,8	26,6	1507	532	0,727	0,93	0,406
35	0,9	1,9	29,5	1950	590	0,524	0,671	0,464
50	1,0	2,0	33,8	2554	676	0,387	0,495	0,479
70	1,1	2,2	39,7	3611	794	0,268	0,319	0,490
95	1,1	2,4	44,4	4748	888	0,193	0,247	0,564
120	1,2	2,5	49,3	5935	986	0,153	0,196	0,605
150	1,4	2,7	54,4	7262	1088	0,124	0,159	0,569
185	1,6	2,9	60,4	8972	1208	0,0991	0,127	0,563
240	1,7	3,1	67,4	11501	1348	0,0754	0,0965	0,594
300	1,8	3,4	74,5	14261	1490	0,0601	0,0769	0,616

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	236	232	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

N2XBY

Copper Conductor, XLPE Insulated,
Double Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255



Special Features on Request

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

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	15,3	330	306	12,1	15,5	0,161
2,5	0,7	1,8	16,4	402	328	7,41	9,48	0,191
4	0,7	1,8	17,8	505	356	4,61	5,9	0,244
6	0,7	1,8	19,2	630	384	3,08	3,94	0,283
10	0,7	1,8	21,7	880	434	1,83	2,34	0,347
16	0,7	1,8	24,4	1220	488	1,15	1,47	0,401
25	0,9	1,9	29,2	1813	584	0,727	0,93	0,406
35	0,9	2,0	32,3	2350	646	0,524	0,671	0,464
50	1,0	2,2	38,0	3177	760	0,387	0,495	0,479

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15

N2XFGbY

Copper Conductor, XLPE Insulated,
Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,6	479	233	12,1	15,5	0,064
2,5	0,7	1,8	15,5	525	248	7,41	9,48	0,071
4	0,7	1,8	16,5	604	264	4,61	5,9	0,081
6	0,7	1,8	17,6	696	281	3,08	3,94	0,087
10	0,7	1,8	19,4	863	310	1,83	2,34	0,096
16	0,7	1,8	21,3	1067	340	1,15	1,47	0,100
25	0,9	1,8	24,8	1451	396	0,727	0,93	0,105
35	0,9	1,8	26,9	1748	430	0,524	0,671	0,111
50	1,0	1,9	30,2	2188	483	0,387	0,495	0,115
70	1,1	2,1	34,9	2919	558	0,268	0,319	0,117
95	1,1	2,2	38,7	3660	619	0,193	0,247	0,122
120	1,2	2,3	42,5	4422	680	0,153	0,196	0,126
150	1,4	2,5	47,2	5369	755	0,124	0,159	0,127
185	1,6	2,6	51,7	6439	827	0,0991	0,127	0,128
240	1,7	2,8	57,9	8120	926	0,0754	0,0965	0,130
300	1,8	3,0	63,4	9808	1014	0,0601	0,0769	0,130

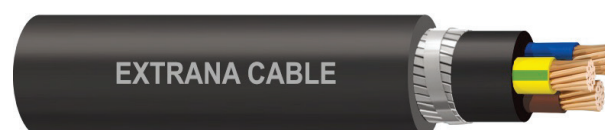
2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	30	39	0,21
2,5	0,1007	9,481	0,293	18,9959	39	53	0,36
4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25	0,0816	0,6757	0,240	1,8706	167	200	3,58
35	0,0794	0,5013	0,233	1,3559	206	239	5,01
50	0,0792	0,3511	0,232	1,0083	250	287	7,15
70	0,0752	0,2577	0,229	0,7097	322	352	10,01
95	0,0734	0,2090	0,224	0,5250	392	423	13,59
120	0,0732	0,1750	0,223	0,4296	460	484	17,16
150	0,0727	0,1463	0,224	0,3640	521	544	21,45
185	0,0726	0,1204	0,225	0,3085	600	614	26,46
240	0,0719	0,1048	0,223	0,2593	655	711	34,32
300	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XFGbY

Copper Conductor, XLPE Insulated,
Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	15,1	501	241	12,1	15,5	0,161
2,5	0,7	1,8	16,0	570	256	7,41	9,48	0,191
4	0,7	1,8	17,1	665	273	4,61	5,9	0,244
6	0,7	1,8	18,3	775	292	3,08	3,94	0,283
10	0,7	1,8	20,2	983	323	1,83	2,34	0,347
16	0,7	1,8	22,3	1238	356	1,15	1,47	0,401
25	0,9	1,8	26,1	1722	417	0,727	0,93	0,406
35	0,9	1,9	28,6	2122	457	0,524	0,671	0,464
50	1,0	2,0	32,1	2673	513	0,387	0,495	0,479
70	1,1	2,1	36,9	3578	590	0,268	0,319	0,490
95	1,1	2,3	41,2	4565	659	0,193	0,247	0,564
120	1,2	2,4	45,7	5606	731	0,153	0,196	0,605
150	1,4	2,6	50,3	6754	804	0,124	0,159	0,569
185	1,6	2,7	55,1	8144	881	0,0991	0,127	0,563
240	1,7	3,0	62,0	10359	992	0,0754	0,0965	0,594
300	1,8	3,2	67,9	12575	1086	0,0601	0,0769	0,616

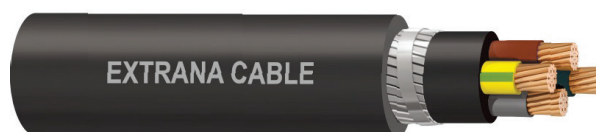
3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XFGbY

Copper Conductor, XLPE Insulated,
Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	15,9	554	254	12,1	15,5	0,161
2,5	0,7	1,8	16,9	634	270	7,41	9,48	0,191
4	0,7	1,8	18,1	745	289	4,61	5,9	0,244
6	0,7	1,8	19,4	881	310	3,08	3,94	0,283
10	0,7	1,8	21,6	1139	345	1,83	2,34	0,347
16	0,7	1,8	23,9	1454	382	1,15	1,47	0,401
25	0,9	1,9	28,3	2060	452	0,727	0,93	0,406
35	0,9	2,0	31,2	2564	499	0,524	0,671	0,464
50	1,0	2,1	35,5	3298	568	0,387	0,495	0,479
70	1,1	2,3	40,6	4396	649	0,268	0,319	0,490
95	1,1	2,4	45,1	5624	721	0,193	0,247	0,564
120	1,2	2,6	50,2	6940	803	0,153	0,196	0,605
150	1,4	2,7	55,1	8360	881	0,124	0,159	0,569
185	1,6	2,9	61,1	10210	977	0,0991	0,127	0,563
240	1,7	3,2	68,3	12932	1092	0,0754	0,0965	0,594
300	1,8	3,4	75,2	15825	1203	0,0601	0,0769	0,616

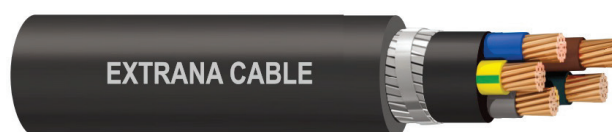
4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	236	232	71,15
70	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

N2XFGbY

Copper Conductor, XLPE Insulated,
Galvanized Steel Tape Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are prone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	16,8	609	268	12,1	15,5	0,161
2,5	0,7	1,8	17,9	707	286	7,41	9,48	0,191
4	0,7	1,8	19,3	842	308	4,61	5,9	0,244
6	0,7	1,8	20,7	999	331	3,08	3,94	0,283
10	0,7	1,8	23,2	1302	371	1,83	2,34	0,347
16	0,7	1,8	25,8	1685	412	1,15	1,47	0,401
25	0,9	1,9	30,7	2405	491	0,727	0,93	0,406
35	0,9	2,0	33,8	3008	540	0,524	0,671	0,464
50	1,0	2,2	38,7	3899	619	0,387	0,495	0,479

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15

N2XSJ

Copper Conductor, XLPE Insulated,
Copper Tape Screen, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	12,7	190	152	12,1	15,5	0,064
2,5	0,7	1,8	13,5	221	162	7,41	9,48	0,071
4	0,7	1,8	14,5	265	174	4,61	5,9	0,081
6	0,7	1,8	15,6	343	187	3,08	3,94	0,087
10	0,7	1,8	17,4	457	209	1,83	2,34	0,096
16	0,7	1,8	19,5	614	234	1,15	1,47	0,100
25	0,9	1,8	22,8	873	274	0,727	0,93	0,105
35	0,9	1,8	25,1	1110	301	0,524	0,671	0,111
50	1,0	1,9	28,4	1428	341	0,387	0,495	0,115
70	1,1	2,0	32,9	1980	395	0,268	0,319	0,117
95	1,1	2,1	36,7	2576	440	0,193	0,247	0,122
120	1,2	2,3	40,7	3208	488	0,153	0,196	0,126
150	1,4	2,4	45,2	3956	542	0,124	0,159	0,127
185	1,6	2,6	49,9	4849	599	0,0991	0,127	0,128
240	1,7	2,8	56,1	6253	673	0,0754	0,0965	0,130
300	1,8	2,9	61,4	7643	737	0,0601	0,0769	0,130

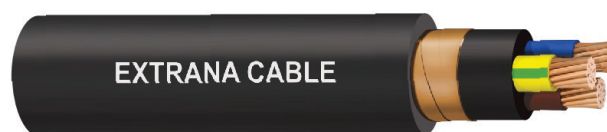
2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	30	39	0,21
2,5	0,1007	9,481	0,293	18,9959	39	53	0,36
4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25	0,0816	0,6757	0,240	1,8706	167	200	3,58
35	0,0794	0,5013	0,233	1,3559	206	239	5,01
50	0,0792	0,3511	0,232	1,0083	250	287	7,15
70	0,0752	0,2577	0,229	0,7097	322	352	10,01
95	0,0734	0,2090	0,224	0,5250	392	423	13,59
120	0,0732	0,1750	0,223	0,4296	460	484	17,16
150	0,0727	0,1463	0,224	0,3640	521	544	21,45
185	0,0726	0,1204	0,225	0,3085	600	614	26,46
240	0,0719	0,1048	0,223	0,2593	655	711	34,32
300	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XSJ

Copper Conductor, XLPE Insulated,
Copper Tape Screen, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,2	217	158	12,1	15,5	0,161
2,5	0,7	1,8	14,1	260	169	7,41	9,48	0,191
4	0,7	1,8	15,2	320	182	4,61	5,9	0,244
6	0,7	1,8	16,3	390	196	3,08	3,94	0,283
10	0,7	1,8	18,3	565	220	1,83	2,34	0,347
16	0,7	1,8	20,5	774	246	1,15	1,47	0,401
25	0,9	1,8	24,1	1122	289	0,727	0,93	0,406
35	0,9	1,8	26,5	1441	318	0,524	0,671	0,464
50	1,0	1,9	30,1	1869	361	0,387	0,495	0,479
70	1,1	2,1	35,1	2628	421	0,268	0,319	0,490
95	1,1	2,2	39,2	3450	470	0,193	0,247	0,564
120	1,2	2,4	43,9	4359	527	0,153	0,196	0,605
150	1,4	2,5	48,3	5316	580	0,124	0,159	0,569
185	1,6	2,7	53,3	6526	640	0,0991	0,127	0,563
240	1,7	2,9	60,0	8452	720	0,0754	0,0965	0,594
300	1,8	3,1	65,9	10410	791	0,0601	0,0769	0,616

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XS_Y

Copper Conductor, XLPE Insulated,
Copper Tape Screen, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,9	246	167	12,1	15,5	0,161
2,5	0,7	1,8	15,0	303	180	7,41	9,48	0,191
4	0,7	1,8	16,2	378	194	4,61	5,9	0,244
6	0,7	1,8	17,5	472	210	3,08	3,94	0,283
10	0,7	1,8	19,7	689	236	1,83	2,34	0,347
16	0,7	1,8	22,1	954	265	1,15	1,47	0,401
25	0,9	1,8	26,2	1406	314	0,727	0,93	0,406
35	0,9	1,9	29,0	1827	348	0,524	0,671	0,464
50	1,0	2,0	33,5	2422	402	0,387	0,495	0,479
70	1,1	2,2	38,6	3358	463	0,268	0,319	0,490
95	1,1	2,4	43,7	4489	524	0,193	0,247	0,564
120	1,2	2,5	48,2	5575	578	0,153	0,196	0,605
150	1,4	2,7	53,3	6841	640	0,124	0,159	0,569
185	1,6	2,9	59,3	8480	712	0,0991	0,127	0,563
240	1,7	3,1	66,3	10905	796	0,0754	0,0965	0,594
300	1,8	3,3	73,2	13520	878	0,0601	0,0769	0,616

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	236	232	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

N2XSJ

Copper Conductor, XLPE Insulated,
Copper Tape Screen, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations; for installation indoors in confined spaces and cable channels because of small bending radius. As buried cable, because of its light weight and preferably in places where installation conditions are difficult.



Special Features on Request

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

5 CORE		DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,8	280	178	12,1	15,5	0,161
2,5	0,7	1,8	15,9	344	191	7,41	9,48	0,191
4	0,7	1,8	17,3	437	208	4,61	5,9	0,244
6	0,7	1,8	18,8	580	226	3,08	3,94	0,283
10	0,7	1,8	21,2	818	254	1,83	2,34	0,347
16	0,7	1,8	24,0	1150	288	1,15	1,47	0,401
25	0,9	1,9	28,7	1716	344	0,727	0,93	0,406
35	0,9	2,0	32,4	2287	389	0,524	0,671	0,464
50	1,0	2,1	36,7	2958	440	0,387	0,495	0,479

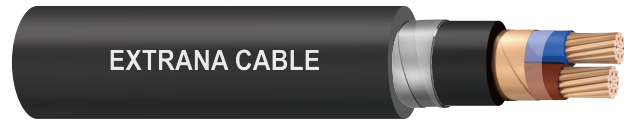
5 CORE		DIMENSIONAL AND ELECTRICAL DATA						
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15

N2XSBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	13,6	260	272	12,1	15,5	0,064
2,5	0,7	1,8	14,4	299	288	7,41	9,48	0,071
4	0,7	1,8	15,4	352	308	4,61	5,9	0,081
6	0,7	1,8	16,5	418	330	3,08	3,94	0,087
10	0,7	1,8	18,3	542	366	1,83	2,34	0,096
16	0,7	1,8	20,4	709	408	1,15	1,47	0,100
25	0,9	1,8	24,5	1036	490	0,727	0,93	0,105
35	0,9	1,8	25,9	1223	518	0,524	0,671	0,111
50	1,0	1,9	29,3	1560	586	0,387	0,495	0,115
70	1,1	2,0	33,8	2126	676	0,268	0,319	0,117
95	1,1	2,2	38,6	2832	772	0,193	0,247	0,122
120	1,2	2,3	42,4	3461	848	0,153	0,196	0,126
150	1,4	2,5	47,1	4252	942	0,124	0,159	0,127
185	1,6	2,6	51,6	5136	1032	0,0991	0,127	0,128
240	1,7	2,8	57,8	6558	1156	0,0754	0,0965	0,130
300	1,8	3,0	63,3	7991	1266	0,0601	0,0769	0,130

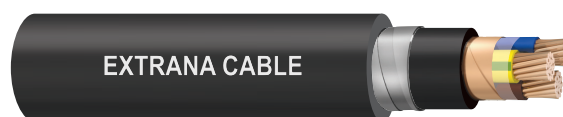
2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	30	39	0,21
2,5	0,1007	9,481	0,293	18,9959	39	53	0,36
4	0,0947	3,9410	0,275	11,8414	52	71	0,57
6	0,0902	2,3416	0,263	7,9264	68	87	0,86
10	0,0852	1,4723	0,248	4,7324	91	119	1,43
16	0,0815	0,9336	0,238	2,9469	126	158	2,29
25	0,0816	0,6757	0,240	1,8706	167	200	3,58
35	0,0794	0,5013	0,233	1,3559	206	239	5,01
50	0,0792	0,3511	0,232	1,0083	250	287	7,15
70	0,0752	0,2577	0,229	0,7097	322	352	10,01
95	0,0734	0,2090	0,224	0,5250	392	423	13,59
120	0,0732	0,1750	0,223	0,4296	460	484	17,16
150	0,0727	0,1463	0,224	0,3640	521	544	21,45
185	0,0726	0,1204	0,225	0,3085	600	614	26,46
240	0,0719	0,1048	0,223	0,2593	655	711	34,32
300	0,711	0,0927	0,221	0,2302	834	696	42,9

N2XSBY

Copper Conductor, XLPE Insulated, Copper Tape Screen, Double Galvanized Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,1	289	282	12,1	15,5	0,161
2,5	0,7	1,8	15,0	339	300	7,41	9,48	0,191
4	0,7	1,8	16,1	409	322	4,61	5,9	0,244
6	0,7	1,8	17,2	490	344	3,08	3,94	0,283
10	0,7	1,8	19,2	656	384	1,83	2,34	0,347
16	0,7	1,8	21,4	876	428	1,15	1,47	0,401
25	0,9	1,8	25,0	1242	500	0,727	0,93	0,406
35	0,9	1,8	27,4	1572	548	0,524	0,671	0,464
50	1,0	1,9	30,9	2006	618	0,387	0,495	0,479
70	1,1	2,1	36,8	2868	736	0,268	0,319	0,490
95	1,1	2,3	41,1	3733	822	0,193	0,247	0,564
120	1,2	2,4	45,6	4644	912	0,153	0,196	0,605
150	1,4	2,6	50,2	5648	1004	0,124	0,159	0,569
185	1,6	2,7	55,0	6851	1100	0,0991	0,127	0,563
240	1,7	3,0	61,9	8834	1238	0,0754	0,0965	0,594
300	1,8	3,1	67,6	10775	1352	0,0601	0,0769	0,616

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	24	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	36	44	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	48	58	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	61	72	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	83	97	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	113	128	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	150	167	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	186	201	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	226	239	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	290	295	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	353	355	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	413	404	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	468	458	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	540	516	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	590	600	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	745	695	42,9

N2XSBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	14,8	322	296	12,1	15,5	0,161
2,5	0,7	1,8	15,9	388	318	7,41	9,48	0,191
4	0,7	1,8	17,1	474	342	4,61	5,9	0,244
6	0,7	1,8	18,4	579	368	3,08	3,94	0,283
10	0,7	1,8	20,6	787	412	1,83	2,34	0,347
16	0,7	1,8	23,0	1062	460	1,15	1,47	0,401
25	0,9	1,8	27,1	1532	542	0,727	0,93	0,406
35	0,9	1,9	29,9	1965	598	0,524	0,671	0,464
50	1,0	2,1	34,4	2575	688	0,387	0,495	0,479
70	1,1	2,3	40,5	3631	810	0,268	0,319	0,490
95	1,1	2,4	45,4	4765	908	0,193	0,247	0,564
120	1,2	2,6	50,1	5895	1002	0,153	0,196	0,605
150	1,4	2,7	55,0	7153	1100	0,124	0,159	0,569
185	1,6	2,9	61,0	8810	1220	0,0991	0,127	0,563
240	1,7	3,2	68,2	11287	1364	0,0754	0,0965	0,594
300	1,8	3,4	75,1	13916	1502	0,0601	0,0769	0,616

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	32	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	38	42	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	51	56	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	66	74	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	90	98	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	121	129	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	165	170	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	194	195	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	236	232	7,15
70	0,0752	0,2577	0,229	0,7097	0,6075	303	292	10,01
95	0,0734	0,2090	0,224	0,5250	0,4458	371	349	13,59
120	0,0732	0,1750	0,223	0,4296	0,3616	433	401	17,16
150	0,0727	0,1463	0,224	0,3640	0,3028	499	459	21,45
185	0,0726	0,1204	0,225	0,3085	0,2532	569	503	26,46
240	0,0719	0,1048	0,223	0,2593	0,2082	625	541	34,32
300	0,711	0,0927	0,221	0,2302	0,1812	785	749	42,9

N2XSBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 90°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,7	1,8	15,7	362	314	12,1	15,5	0,161
2,5	0,7	1,8	16,8	435	336	7,41	9,48	0,191
4	0,7	1,8	18,2	541	364	4,61	5,9	0,244
6	0,7	1,8	19,7	670	394	3,08	3,94	0,283
10	0,7	1,8	22,1	918	442	1,83	2,34	0,347
16	0,7	1,8	24,9	1260	498	1,15	1,47	0,401
25	0,9	1,9	29,6	1842	592	0,727	0,93	0,406
35	0,9	2,0	33,2	2415	664	0,524	0,671	0,464
50	1,0	2,2	38,5	3193	770	0,387	0,495	0,479

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Voltage Drop at 90°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,108	15,500	0,315	31,0259	26,8156	29	33	0,21
2,5	0,1007	9,481	0,293	18,9959	16,4013	39	43	0,36
4	0,0947	3,9410	0,275	11,8414	10,2083	52	57	0,57
6	0,0902	2,3416	0,263	7,9264	6,8180	68	75	0,86
10	0,0852	1,4723	0,248	4,7324	4,0509	93	100	1,43
16	0,0815	0,9336	0,238	2,9469	2,5470	125	131	2,29
25	0,0816	0,6757	0,240	1,8706	1,6151	172	172	3,58
35	0,0794	0,5013	0,233	1,3559	1,1689	201	198	5,01
50	0,0792	0,3511	0,232	1,0083	0,8673	251	241	7,15

NYB(AI)Y 0.6/1 kV

Copper Conductor, XLPE Insulated,
Aluminium Round Wire Armour,
PVC Sheathed

SNI IEC 60502-1; SNI 0255

For installation in the ground, indoors, cable trunking and outdoors if ground conditions are propone to mechanical damage. Also used in urban network, household feeders and street lighting.



Special Features on Request

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

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
16	1,0	1,8	14,3	430	286	1,15	1,38	0,776
25	1,2	1,8	16,0	571	320	0,727	0,87	0,833
35	1,2	1,8	17,1	689	341	0,524	0,63	0,955
50	1,4	1,8	18,6	850	372	0,387	0,464	0,982
70	1,4	1,8	20,6	1104	411	0,268	0,321	1,102
95	1,6	1,8	22,4	1389	447	0,193	0,232	1,153
120	1,6	1,8	24,1	1675	483	0,153	0,184	1,320
150	1,8	1,8	26,1	2004	522	0,124	0,150	1,302
185	2,0	1,9	28,4	2426	569	0,0991	0,121	1,338
240	2,2	2,0	31,4	3056	627	0,0754	0,0930	1,395
300	2,4	2,1	34,5	3756	690	0,0601	0,0750	1,412
400	2,6	2,2	38,0	4676	760	0,047	0,0604	1,488
500	2,6	2,3	41,5	5809	830	0,0366	0,0490	1,471
630	2,6	2,4	46,1	7304	921	0,0221	0,0401	1,493

1 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 90°C (approx.)	Inductance (approx.)	Max. Current Carrying Capacity at 30°C				Max. Short circuit current at 1 sec.
				In Air		In Ground		
				●●●	●●●	●●●	●●●	
mm ²	Ω/km	Ω/km	mH/km	A	A	A	A	kA
16	0,1058	1,384	0,374	88	90	103	105	1,84
25	0,1037	0,876	0,358	116	117	130	131	2,88
35	0,1004	0,638	0,345	142	146	156	160	4,03
50	0,0997	0,475	0,336	174	179	186	191	5,75
70	0,0937	0,334	0,326	220	227	226	233	8,05
95	0,0928	0,250	0,321	274	281	266	273	10,9
120	0,0906	0,2051	0,316	318	328	304	314	13,8
150	0,0911	0,1755	0,313	366	377	340	351	17,3
185	0,0898	0,1507	0,310	423	436	382	395	21,3
240	0,0891	0,1288	0,307	506	521	441	456	27,6
300	0,0884	0,1159	0,305	592	610	502	520	34,5
400	0,0880	0,1067	0,302	676	687	586	575	46,0
500	0,0879	0,1006	0,299	781	806	774	799	57,5
630	0,0876	0,0963	0,293	901	930	846	875	72,5

NYBY

Copper Conductor, XLPE Insulated, Copper Tape Screen, Double Galvanized Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

2 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,3	224	246	12,1	14,5	0,153
2,5	0,8	1,8	13,2	267	264	7,41	8,90	0,166
4	1,0	1,8	15,0	356	300	4,61	5,52	0,186
6	1,0	1,8	16,1	427	322	3,08	3,69	0,201
10	1,0	1,8	17,9	565	358	1,83	2,19	0,221
16	1,0	1,8	19,9	749	398	1,15	1,38	0,236
25	1,2	1,8	23,3	1074	466	0,727	0,87	0,245
35	1,2	1,8	25,4	1346	508	0,524	0,63	0,259
50	1,4	1,9	29,1	1750	582	0,387	0,464	0,268
70	1,4	2,1	33,4	2386	668	0,268	0,321	0,275
95	1,6	2,2	38,0	3161	760	0,193	0,232	0,282
120	1,6	2,4	41,6	3870	832	0,153	0,184	0,297
150	1,8	2,5	46,1	4765	922	0,124	0,150	0,296
185	2,0	2,7	50,8	5838	1016	0,0991	0,121	0,300
240	2,2	2,9	57,4	7557	1148	0,0754	0,0930	0,304
300	2,4	3,1	63,3	9301	1266	0,0601	0,0750	0,306

2 CORE DIMENSIONAL AND ELECTRICAL DATA							
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)	Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
					In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	A	A	kA
1,5	0,1116	0,328	0,315	29,001	23	29	0,173
2,5	0,1077	0,304	0,293	17,802	32	40	0,283
4	0,1035	0,303	0,275	11,042	42	50	0,46
6	0,0980	0,288	0,263	7,383	53	60	0,69
10	0,0918	0,269	0,248	4,385	72	84	1,15
16	0,0871	0,255	0,238	2,767	93	107	1,84
25	0,0861	0,255	0,240	1,751	123	136	2,88
35	0,0833	0,246	0,233	1,275	151	162	4,03
50	0,0837	0,247	0,232	0,948	182	196	5,75
70	0,0780	0,238	0,229	0,667	236	242	8,05
95	0,0775	0,233	0,224	0,498	284	286	10,9
120	0,0755	0,233	0,223	0,408	326	328	13,8
150	0,0758	0,233	0,224	0,349	374	367	17,3
185	0,0750	0,233	0,225	0,299	430	408	21,3
240	0,0745	0,232	0,223	0,256	511	482	27,6
300	0,0740	0,231	0,221	0,230	592	530	34,5

NYBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	12,8	250	256	12,1	14,5	0,369
2,5	0,8	1,8	13,7	301	274	7,41	8,90	0,408
4	1,0	1,8	15,7	408	314	4,61	5,52	0,482
6	1,0	1,8	16,9	499	338	3,08	3,69	0,554
10	1,0	1,8	18,8	673	376	1,83	2,19	0,671
16	1,0	1,8	21,0	840	420	1,15	1,38	0,770
25	1,2	1,8	24,6	1210	492	0,727	0,87	0,809
35	1,2	1,9	27,1	1548	542	0,524	0,63	0,922
50	1,4	2,0	31,1	2000	622	0,387	0,464	0,933
70	1,4	2,2	35,8	2762	716	0,268	0,321	1,024
95	1,6	2,4	41,0	3694	820	0,193	0,232	1,06
120	1,6	2,5	45,0	4561	900	0,153	0,184	1,207
150	1,8	2,6	49,4	5550	988	0,124	0,150	1,165
185	2,0	2,8	54,8	6858	1096	0,0991	0,121	1,189
240	2,2	3,1	61,8	8854	1236	0,0754	0,0930	1,218
300	2,4	3,3	68,1	10906	1362	0,0601	0,0750	1,229

3 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	19	25	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	26	34	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	34	40	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	44	50	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	60	69	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	79	89	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	105	115	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	129	138	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	162	170	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	203	208	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	250	249	10,9
120	0,0785	0,1989	0,233	0,4084	0,3441	289	284	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	330	318	17,3
185	0,0750	0,1424	0,233	0,2994	0,2463	381	360	21,3
240	0,0745	0,1192	0,232	0,2555	0,2061	451	416	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	517	469	34,5

NYBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	13,4	275	268	12,1	14,5	0,369
2,5	0,8	1,8	14,4	336	288	7,41	8,90	0,408
4	1,0	1,8	16,6	462	332	4,61	5,52	0,482
6	1,0	1,8	17,9	571	358	3,08	3,69	0,554
10	1,0	1,8	20,3	760	406	1,83	2,19	0,671
16	1,0	1,8	22,7	1036	454	1,15	1,38	0,770
25	1,2	1,9	27,0	1530	540	0,727	0,87	0,809
35	1,2	2,0	29,8	1967	596	0,524	0,63	0,922
50	1,4	2,1	34,6	2581	692	0,387	0,464	0,933
70	1,4	2,3	39,4	3521	788	0,268	0,321	1,024
95	1,6	2,5	45,5	4764	910	0,193	0,232	1,06
120	1,6	2,6	49,5	5827	990	0,153	0,184	1,207
150	1,8	2,8	55,0	7195	1100	0,124	0,150	1,165
185	2,0	3,0	60,6	8822	1212	0,0991	0,121	1,189
240	2,2	3,3	68,3	11393	1366	0,0754	0,0930	1,218
300	2,4	3,5	75,7	14137	1514	0,0601	0,0750	1,229

4 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	22	27	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	29	35	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	39	46	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	50	57	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	68	77	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	90	99	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	121	128	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	149	154	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	173	173	5,75
70	0,0780	0,3303	0,238	0,6673	0,5715	215	212	8,05
95	0,0775	0,2446	0,233	0,4981	0,4232	266	255	10,9
120	0,0785	0,1989	0,233	0,4084	0,3441	308	289	13,8
150	0,0755	0,1681	0,233	0,3487	0,2908	357	327	17,3
185	0,0750	0,1424	0,233	0,2994	0,2463	405	366	21,3
240	0,0745	0,1192	0,232	0,2555	0,2061	482	425	27,6
300	0,0740	0,1054	0,231	0,2297	0,1823	552	479	34,5

NYBY

Copper Conductor, XLPE Insulated,
Copper Tape Screen, Double Galvanized
Steel Tape, PVC Sheathed

SNI IEC 60502-1; SNI 0255

For power plants and switchgears as well as for installation of substations if ground conditions are prone to mechanical damage. Also used in urban network, household feeders.



Special Features on Request

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

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Nominal Thickness		Overall Diameter (approx.)	Cable Weight (approx.)	Bending Radius	Max. DC Conductor Resistance at 20°C	Max. AC Conductor Resistance at 70°C	Capacitance (approx.)
	Insulation	Sheath						
mm ²	mm	mm	mm	kg/km	mm	Ω/km	Ω/km	μF/km
1,5	0,8	1,8	14,3	313	286	12,1	14,5	0,369
2,5	0,8	1,8	15,5	388	310	7,41	8,90	0,408
4	1,0	1,8	17,9	537	358	4,61	5,52	0,482
6	1,0	1,8	19,4	669	388	3,08	3,69	0,554
10	1,0	1,8	22,0	903	440	1,83	2,19	0,671
16	1,0	1,8	24,7	1241	494	1,15	1,38	0,770
25	1,2	2,0	29,7	1861	594	0,727	0,87	0,809
35	1,2	2,1	33,2	2434	664	0,524	0,63	0,922
50	1,4	2,3	38,3	3165	766	0,387	0,464	0,933

5 CORE DIMENSIONAL AND ELECTRICAL DATA								
Cross-sectional area	Reactance (approx.)	Impedance at 70°C (approx.)	Inductance (approx.)	Voltage Drop at 70°C (approx.)		Max. Current Carrying Capacity at 30°C		Max. Short circuit current at 1 sec.
				1 phase	3 phase	In Air	In Ground	
mm ²	Ω/km	Ω/km	mH/km	mV/A/m	mV/A/m	A	A	kA
1,5	0,1116	14,500	0,328	29,0011	25,0857	23	27	0,173
2,5	0,1077	8,901	0,304	17,8016	15,3981	30	36	0,283
4	0,1035	5,5210	0,303	11,0424	9,5513	41	47	0,46
6	0,0980	3,6913	0,288	7,3833	6,3860	52	59	0,69
10	0,0918	2,1919	0,269	4,3850	3,7920	71	78	1,15
16	0,0871	1,3827	0,255	2,7672	2,3922	94	101	1,84
25	0,0861	0,8743	0,255	1,7512	1,5125	126	131	2,88
35	0,0833	0,6355	0,246	1,2746	1,0994	155	157	4,03
50	0,0837	0,4715	0,247	0,9479	0,8157	189	185	5,75

DERATING FACTORS

Table 1. Correction factors for ambient air temperatures other than 30 °C

Maximum conductor temperature °C	Ambient ground temperature °C							
	20	25	35	40	45	50	55	60
90	1.08	1.04	0.96	0.91	0.87	0.82	0.76	0.71

Table 2. Correction factors for ambient ground temperatures other than 20 °C

Maximum conductor temperature °C	Ambient ground temperature °C							
	10	15	25	30	35	40	45	50
90	1.07	1.04	0.96	0.93	0.89	0.85	0.80	0.76

Table 3. Correction factors for depths of laying other than 0.8 m for direct buried cables

Depth of laying mtr	Single-core cables		Three-core cables
	Nominal Conductor size mm ²		
	≤185 mm ²	>185 mm ²	
0.5	1.04	1.06	1.04
0.6	1.02	1.04	1.03
1.0	0.98	0.97	0.98
1.25	0.96	0.95	0.96
1.5	0.95	0.93	0.95
1.75	0.94	0.91	0.94
2	0.93	0.90	0.93
2.5	0.91	0.88	0.91
3	0.90	0.86	0.90

Table 4. Correction factors for depths of laying other than 0,8 m for cables in ducts

Depth of laying mtr	Single-core cables		Three-core cables
	Nominal Conductor size mm ²		
	≤185 mm ²	>185 mm ²	
0.5	1.04	1.05	1.03
0.6	1.02	1.03	1.02
1.0	0.98	0.97	0.99
1.25	0.96	0.95	0.97
1.5	0.95	0.93	0.96
1.75	0.94	0.92	0.95
2	0.93	0.91	0.94
2.5	0.91	0.89	0.93
3	0.90	0.88	0.92

Table 5. Correction factor for soil thermal resistivities other than 1,5 K.m/W for direct buried single-core cables

Nominal area off conductor mm ²	Values of soil thermal resistivity K.m/W						
	0.7	0.8	0.9	1	2	2.5	3
16	1.29	1.24	1.19	1.15	0.89	0.82	0.75
25	1.30	1.25	1.20	1.16	0.89	0.81	0.75
35	1.30	1.25	1.21	1.16	0.89	0.81	0.75
50	1.32	1.26	1.21	1.16	0.89	0.81	0.74
70	1.33	1.27	1.22	1.17	0.89	0.81	0.74
95	1.34	1.28	1.22	1.18	0.89	0.80	0.74
120	1.34	1.28	1.22	1.18	0.89	0.80	0.74
150	1.35	1.29	1.23	1.18	0.88	0.80	0.74
185	1.35	1.29	1.23	1.18	0.88	0.80	0.74
240	1.36	1.29	1.23	1.18	0.88	0.80	0.73
300	1.36	1.30	1.24	1.19	0.88	0.80	0.73
400	1.37	1.30	1.24	1.19	0.88	0.79	0.73

Table 6. Correction factor for soil thermal resistivities other than 1,5 K.m/W single-core cables in buried duct

Nominal area off conductor mm ²	Values of soil thermal resistivity K.m/W						
	0.7	0.8	0.9	1	2	2.5	3
16	1.20	1.17	1.14	1.11	0.92	0.85	0.79
25	1.21	1.17	1.14	1.12	0.91	0.85	0.79
35	1.21	1.18	1.15	1.12	0.91	0.84	0.79
50	1.21	1.18	1.15	1.12	0.91	0.84	0.79
70	1.22	1.19	1.15	1.12	0.91	0.84	0.78
95	1.23	1.19	1.16	1.13	0.91	0.84	0.78
120	1.123	1.20	1.16	1.13	0.91	0.84	0.78
150	1.24	1.20	1.16	1.13	0.91	0.83	0.78
185	1.24	1.20	1.17	1.13	0.91	0.83	0.78
240	1.25	1.21	1.17	1.14	0.90	0.83	0.77
300	1.25	1.21	1.17	1.14	0.90	0.83	0.77
400	1.25	1.21	1.17	1.14	0.90	0.83	0.77

Table 7. Correction factor for soil thermal resistivities other than 1,5 K.m/W for direct buried three-core cables

Nominal area off conductor mm ²	Values of soil thermal resistivity K.m/W						
	0.7	0.8	0.9	1	2	2.5	3
16	1.23	1.19	1.16	1.13	0.91	0.84	0.78
25	1.24	1.20	1.16	1.13	0.91	0.84	0.78
35	1.25	1.21	1.17	1.13	0.91	0.83	0.78
50	1.25	1.21	1.17	1.14	0.91	0.83	0.77
70	1.26	1.21	1.18	1.14	0.90	0.83	0.77
95	1.26	1.22	1.18	1.14	0.90	0.83	0.77
120	1.26	1.22	1.18	1.15	0.90	0.83	0.77
150	1.27	1.22	1.18	1.15	0.90	0.83	0.77
185	1.27	1.23	1.18	1.15	0.90	0.83	0.77
240	1.28	1.23	1.19	1.15	0.90	0.83	0.77
300	1.28	1.23	1.19	1.15	0.90	0.82	0.77
400	1.28	1.23	1.19	1.15	0.90	0.82	0.76

Table 8. Correction factor for soil thermal resistivities other than 1,5 K.m/W three-core cables in buried duct

Nominal area off conductor mm ²	Values of soil thermal resistivity K.m/W						
	0.7	0.8	0.9	1	2	2.5	3
16	1.12	1.11	1.09	1.08	0.94	0.89	0.84
25	1.14	1.12	1.10	1.08	0.94	0.89	0.84
35	1.14	1.12	1.10	1.08	0.94	0.88	0.84
50	1.14	1.12	1.10	1.08	0.94	0.88	0.84
70	1.15	1.13	1.11	1.09	0.94	0.88	0.83
95	1.15	1.13	1.11	1.09	0.94	0.88	0.83
120	1.15	1.13	1.11	1.09	0.93	0.88	0.83
150	1.16	1.13	1.11	1.09	0.93	0.88	0.83
185	1.16	1.14	1.11	1.09	0.93	0.87	0.83
240	1.16	1.14	1.12	1.10	0.93	0.87	0.82
300	1.17	1.14	1.12	1.10	0.93	0.87	0.82
400	1.17	1.14	1.12	1.10	0.92	0.86	0.81

Table 9. Correction factor for groups of three-core cables in horizontal formation laid direct in the ground

Number of cables in group	Spacing between cable centres mm				
	Touching	200	400	600	800
2	0.8	0.86	0.90	0.92	0.94
3	0.69	0.77	0.82	0.86	0.89
4	0.62	0.72	0.79	0.83	0.87
5	0.57	0.68	0.76	0.81	0.85
6	0.54	0.65	0.74	0.80	0.84
7	0.51	0.63	0.72	0.78	0.83
8	0.49	0.61	0.71	0.77	-
9	0.47	0.60	0.70	-	-
10	0.46	0.59	0.69	-	-
11	0.45	0.57	0.69	-	-
12	0.43	0.56	0.68	-	-

Table 10. Correction factor for groups of three-phase circuits of single-core cables laid direct in the ground

Number of cables in group	Spacing between cable centres mm				
	Touching	200	400	600	800
2	0.73	0.83	0.88	0.90	0.92
3	0.60	0.73	0.79	0.83	0.86
4	0.54	0.68	0.75	0.80	0.84
5	0.49	0.63	0.72	0.78	0.82
6	0.46	0.61	0.70	0.76	0.81
7	0.43	0.58	0.68	0.75	0.80
8	0.41	0.57	0.67	0.74	-
9	0.39	0.55	0.66	0.73	-
10	0.37	0.54	0.65	-	-
11	0.36	0.53	0.64	-	-
12	0.35	0.52	0.64	-	-

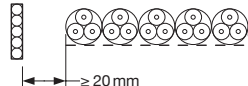
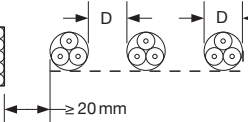
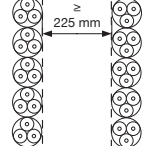
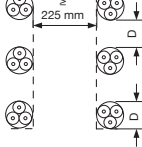
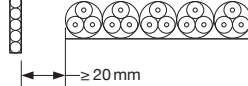
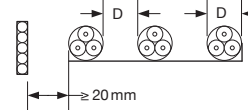
Table 11. Correction factor for groups of three-core cables in single way ducts in horizontal formation

Number of cables in group	Spacing between cable centres mm				
	Touching	200	400	600	800
2	0.85	0.88	0.92	0.94	0.95
3	0.75	0.80	0.85	0.88	0.91
4	0.69	0.75	0.82	0.86	0.89
5	0.65	0.72	0.79	0.84	0.87
6	0.62	0.69	0.77	0.83	0.87
7	0.59	0.67	0.76	0.82	0.86
8	0.57	0.65	0.75	0.81	-
9	0.55	0.64	0.74	0.80	-
10	0.54	0.63	0.73	-	-
11	0.52	0.62	0.73	-	-
12	0.51	0.61	0.72	-	-

Table 12. Correction factor for groups of three-phase circuits of single-core cables in single-way ducts

Number of cables in group	Spacing between cable centres mm				
	Touching	200	400	600	800
2	0.78	0.85	0.89	0.91	0.93
3	0.66	0.75	0.81	0.85	0.88
4	0.59	0.70	0.77	0.82	0.86
5	0.55	0.66	0.74	0.80	0.84
6	0.51	0.64	0.72	0.78	0.83
7	0.48	0.61	0.71	0.77	0.82
8	0.46	0.60	0.70	0.76	-
9	0.44	0.58	0.69	0.76	-
10	0.43	0.57	0.68	-	-
11	0.42	0.56	0.67	-	-
12	0.40	0.55	0.67	-	-

Table 13. Reduction factors for groups of more than one multi-core cable in air - To be applied to the current-carrying capacity for one multi-core cable in free air

Method of Installation	Number of Trays	Number of cables							
		1	2	3	4	6	9		
Cables on perforated trays		1	1.00	0.88	0.82	0.79	0.76	0.73	
		2	1.00	0.87	0.80	0.77	0.73	0.68	
		3	1.00	0.86	0.79	0.76	0.71	0.66	
		1	1.00	1.00	0.98	0.95	0.91	-	
		2	1.00	0.99	0.96	0.92	0.87	-	
		3	1.00	0.98	0.95	0.91	0.85	-	
Cables on vertical perforated trays		1	1.00	0.88	0.82	0.78	0.73	0.72	
		2	1.00	0.88	0.81	0.76	0.71	0.70	
		1	1.00	0.91	0.89	0.88	0.87	-	
		2	1.00	0.91	0.88	0.87	0.85	-	
	Cables on ladder supports, cleats, etc		1	1.00	0.87	0.82	0.80	0.79	0.78
			2	1.00	0.86	0.80	0.78	0.76	0.73
3			1.00	0.85	0.79	0.76	0.73	0.70	
		1	1.00	1.00	1.00	1.00	1.00	-	
		2	1.00	0.99	0.98	0.97	0.96	-	
		3	1.00	0.98	0.97	0.96	0.93	-	

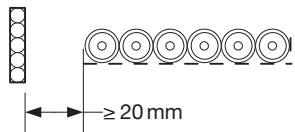
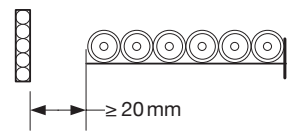
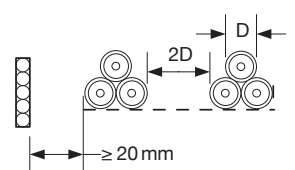
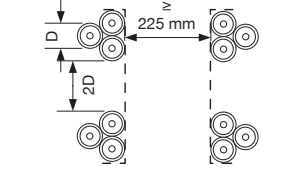
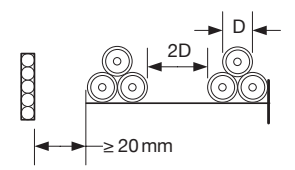
Note 1. Values given are averages for the cable types and range of conductor size considered. The spread of values is generally less than 5 %.

Note 2. Factors apply to single layer groups of cables as shown above and do not apply when cables are installed in more than one layer touching each other. Values for such installations may be significantly lower and must be determined by an appropriate method.

Note 3. Values are given for vertical spacing between trays of 300 mm and least 20 mm between trays and wall. For closer spacing, the factors should be reduced.

Note 4. Values are given for horizontal spacing between trays of 225 mm with trays mounted back to back. For closer spacing, the factors should be reduced.

Table 14. Reduction factors for groups of more than one circuit of single-core cables – To be applied to the current-carrying capacity for one circuit of single-core cables in free air

Method of Installation	Number of Trays	Number of three-phase circuit (Note 5)			Use as a multiplier to 1 2 3 rating for
		1	2	3	
Perforated trays (Note 3) 	1	0.98	0.91	0.87	Three cables in horizontal formation
	2	0.96	0.87	0.81	
	3	0.95	0.85	0.78	
Ladder supports, cleats, etc (Note 3) 	1	1.00	0.97	0.96	
	2	0.98	0.93	0.89	
	3	0.97	0.90	0.86	
Perforated trays (Note 3) 	1	1.00	0.98	0.96	Three cables in trefoil formation
	2	0.97	0.93	0.89	
	3	0.96	0.92	0.86	
Vertical perforated trays (Note 4) 	1	1.00	0.91	0.89	
	2	1.00	0.90	0.86	
Ladder supports, cleats, etc (Note 3) 	1	1.00	1.00	1.00	
	2	0.97	0.95	0.93	
	3	0.96	0.94	0.90	

Note 1. Values given are averages for the cable types and range of conductor size considered. The spread of values is generally less than 5 %.

Note 2. Factors are given for single layers of cables (or trefoil groups) as shown in the table and do not apply when cables are installed in more than one layer touching each other. Values for such installations may be significantly lower and must be determined by an appropriate method.

Note 3. Values are given for vertical spacing between trays of 300 mm. For closer spacing, the factors should be reduced.

Note 4. Values are given for horizontal spacing between trays of 225 mm with trays mounted back to back. For closer spacing, the factors should be reduced.

Note 5. For circuit having more than one cable in parallel per phase, each three phase set of conductors should be considered as a circuit for the purpose of this table.

APPROXIMATE VOLTAGE DROP (Copper Conductor) (mV/A/m)

ELECTRICAL DATA						
Conductor cross sectional area mm ²	XLPE Insulated			PVC Insulated		
	Single Phase @ 90°C		3 Phase @ 90°C	Single Phase @ 70°C 3		3 Phase @ 70°C
	Unarmoured	Armoured		Unarmoured	Armoured	
1.5	31.0259	-	26.8156	29.001	-	25.0857
2.5	18.9959	-	16.4013	17.8016	-	15.3981
4	11.8414	-	10.2083	11.0424	-	9.5513
6	7.9264	-	6.8180	7.3833	-	6.3860
10	4.7324	-	4.0509	4.3850	-	3.7920
16	2.9469	-	2.5470	2.7672	2.7081	2.3922
25	1.8706	2.9409	1.6151	1.7512	1.7523	1.5125
35	1.3559	1.8706	1.1689	1.2746	1.2759	1.0994
50	1.0083	1.3359	0.8673	0.9479	0.9492	0.8157
70	0.7097	1.0083	0.6075	0.6673	0.6088	0.5715
95	0.5250	0.7097	0.4458	0.4981	0.4997	0.4232
120	0.4296	0.5250	0.3616	0.4084	0.4102	0.3441
150	0.3640	0.4290	0.3028	0.3487	0.3510	0.2908
185	0.3085	0.3640	0.2532	0.2994	0.3014	0.2463
240	0.2593	0.3085	0.2082	0.2555	0.2756	0.2061
300	0.2302	0.2593	0.1812	0.2297	0.2319	0.1823
400	0.2061	0.2302	0.1604	0.2110	0.2135	0.1639
500	0.1914	0.2091	0.1461	0.1985	0.2013	0.1524
630	0.1808	0.1942	0.1359	0.1890	0.1927	0.1438









P.T. PRIMA INDAH LESTARI

FACTORY 1:

Jalan Raya Tegal Alur No. 83
Jakarta Barat 11820, Indonesia
Phone: 62-21-5550861, 5550862,
55953416, 55953417
Fax : 62-21- 5550559

FACTORY 2:

Jalan Raya Dadap Pergudangan
Sentra Kosambi Blok H6I
Tangerang 15213, Indonesia
Phone : 62-21-55952960, 55952961,
55952962
Fax: 62-21-55952963

FACTORY 3 / OFFICE:

Jalan Raya Cikande Rangkas Bitung KM 4,5
Kawasan Budi Texindo, Kel. Junti,
Kec. Jawilan, Kab. Serang
Banten, Indonesia
Phone: 62-254-7951056
Fax: 62-254-7951054
Email: info@extranacable.com
www.extranacable.com