

NYAF 450/750 Volt

SNI 04-6629.3/SPLN 42-3 / IEC 60227-3

SINGLE CORE , FLEXIBLE COPPER CONDUCTOR AND PVC INSULATED CABLE

Applications:

- Fixed internal wiring with low mechanical stress for electrical equipments, machineries, distribution panels, luminaires and other electrical appliances used in dry indoor premises, substitutes NYA.
- Permanent installation in conduit, inherently flame retardant in compliance with IEC 60332-1.



DIMENSIONAL & MECHANICAL DATA

1 core

Nominal cross-sectional area	Maximum diameter of wire	Nominal Thickness	Approximately		Minimum Bending Radius	Standard delivery Length *)
		Insulation	Overall diameter	Net Weight		
mm ²	mm	mm	mm	kg/km	mm	m
1.5	0.25	0.7	2.9	19	70	100
2.5	0.25	0.8	3.6	31	90	100
4	0.30	0.8	4.1	46	100	100
6	0.30	0.8	4.7	64	110	100
10	0.40	1.0	6.1	110	150	100
16	0.40	1.0	8.0	180	210	2000
25	0.40	1.2	10.1	280	270	1000
35	0.40	1.2	11.2	367	300	1000
50	0.40	1.4	13.8	538	360	1000
70	0.50	1.4	15.1	916	420	1000
95	0.50	1.6	17.9	1,210	500	1000
120	0.50	1.6	19.6	1,525	540	1000
150	0.50	1.8	21.5	1,899	610	1000
185	0.50	2.0	24.6	2,345	690	1000
240	0.50	2.2	26.5	3,066	740	1000
300	0.50	2.4	29.6	3,109	890	1000
400	0.50	2.6	35.6	3,850	990	500

*) Standard delivery length: 100 m in coil and >100 m in drum.

ELECTRICAL DATA

Nominal cross-sectional area	Resistance at 20 °C		Current Carrying Capacity at 30 °C max		Short circuit current of conductor at 1.0 sec max
	DC conductor max	Insulation min	In Pipe	In Air	
1.5	13.3	50	15	24	0.17
2.5	7.98	50	20	32	0.29
4	4.95	50	25	42	0.46
6	3.30	50	33	54	0.69
10	1.91	50	45	73	1.16
16	1.21	40	61	98	1.84
25	0.780	40	83	128	2.88
35	0.554	40	103	158	4.03
50	0.386	30	132	197	5.75
70	0.272	30	165	245	8.05
95	0.206	30	197	290	10.93
120	0.161	30	235	345	13.80
150	0.129	20	-	390	17.25
185	0.106	20	-	445	21.28
240	0.0801	20	-	525	27.60
300	0.0641	20	-	605	34.50
400	0.0486	20	-	725	46.34

Core identification : green-and-yellow, blue, black, yellow, red, green, white or brown.
 Test Voltage : 2500 VAC / 5 minutes.

Other sizes, core identification and packing lengths are available upon request.

