

# NYMHY 300/500 Volt

SNI 04-6629.5/SPLN 42-6-2/IEC 60227-5

FLEXIBLE COPPER CONDUCTOR, PVC INSULATED AND SHEATHED CABLE



### Applications:

- Power cord or internal wiring with low mechanical stress for electrical equipments, machineries, luminaires and other portable appliances used in dry indoor premises.
- Permanent exposed wiring in humid environment, installation in tray or under plaster for industrial three phase 380 - 415 VAC or single phase 220 - 240 VAC multipurpose applications, inherently flame retardant in compliance with IEC 60332-1.

### DIMENSIONAL & MECHANICAL DATA

2, 3, 4, 5 Cores

No of Cores	Nominal cross-sectional area	Maximum Diameter of Wire	Nominal Thickness		Approximately		Bending Diameter	Standard delivery Length *)
			Insulation	Outer Sheath	Overall Diameter	Cable Weight		
pcs	mm <sup>2</sup>	mm	mm	mm	mm	kg/km	mm	m
2	0.75	0.20	0.6	0.8	6.3	54	120	100 or 2000
2	1	0.20	0.6	0.8	6.5	61	120	100 or 2000
2	1.5	0.25	0.7	0.8	7.5	82	140	100 or 2000
2	2.5	0.25	0.8	1.0	9.2	128	180	100 or 2000
3	0.75	0.20	0.6	0.8	6.6	64	120	100 or 2000
3	1	0.20	0.6	0.8	6.9	74	130	100 or 2000
3	1.5	0.25	0.7	0.9	8.1	104	150	100 or 2000
3	2.5	0.25	0.8	1.1	10.0	161	190	100 or 2000
4	0.75	0.20	0.6	0.8	7.3	77	130	100 or 2000
4	1	0.20	0.6	0.9	7.8	92	140	100 or 2000
4	1.5	0.25	0.7	1.0	9.1	130	170	100 or 2000
4	2.5	0.25	0.8	1.1	10.9	195	200	100 or 2000
5	0.75	0.20	0.6	0.9	8.1	98	150	100 or 2000
5	1	0.20	0.6	0.9	8.5	112	150	100 or 2000
5	1.5	0.25	0.7	1.1	10.1	164	180	100 or 2000
5	2.5	0.25	0.8	1.2	12.2	246	220	100 or 1000

\*) 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 in air at 30 °C max		Short circuit current of conductor at 1.0 sec max
	DC conductor max	Insulation min	2 cores	3 , 4 , 5 cores	
0.75	26.0	50	9	4	0.10
1	19.5	50	12	10	0.13
1.5	13.3	50	19	17	0.19
2.5	7.98	50	25	22	0.32

Core identification : 2 cores by colours : either light blue, brown or light blue, black;

3 cores by colours : either green-and-yellow, light blue, brown, or light blue, black, brown;

4 cores by colours : either green-and-yellow, light blue, black, brown or light blue, black, brown, black or brown;

5 cores by colours : either green-and-yellow, light blue, black, brown, black or brown, or light blue, black, brown, black or brown, black or brown.

Colour of sheath : white colour.

Test Voltage : 1500 VAC/ 5 minutes for insulation thickness ≤ 0,6 mm.

: 2000 VAC/ 5 minutes for insulation thickness > 0,6 mm.

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

