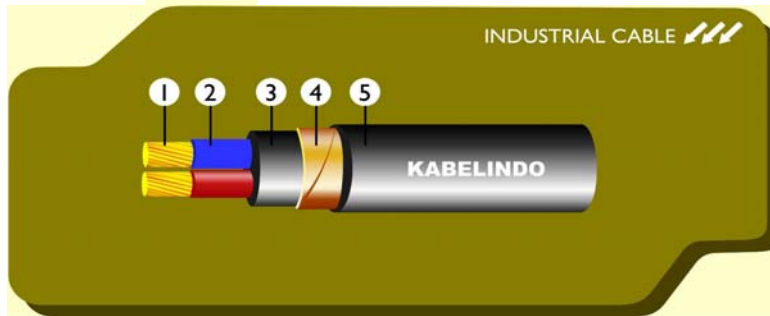


**NYSY 0.6/1 kV**

**Copper Conductor, PVC Insulated, Copper tape Screening, PVC Sheathed**



- 1. Conductor : Annealed Copper wire
- 2. Insulation : Extruded PVC
- 3. Filler : Extruded PVC
- 4. Screen : Copper Tape
- 5. Sheath : Extruded PVC

**PVC LOW VOLTAGE CABLE**

**TECHNICAL DATA**

**Spec** Specification : IEC 60502 - 1 : 1997

**Cu** Conductor Shape : re = Circul  
rm = Circu

**APL** Used for street and outdoor lighting, house services in urban network indoor in ducts installation or in the open where not sustain mechanical damage

**DCV** DC Test Voltage : 8,5 kV for 5

**DIMENSIONAL DATA**

**5 CORES**

SIZE	No.of wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length per reel
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm <sup>2</sup>	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	13.8	325	248	1000
	7	rm			14.3	341	257	
2.5	1	re			15	406	270	
	7	rm			15.6	434	281	
4	1	re	1		17.3	561	311	
	7	rm			18.1	602	326	
6	1	re	1.2		18.6	702	335	
	7	rm			19.6	757	353	
10	7	rm		22	1034	396		
16	7	rm		24.8	1417	446		
25	7	rm		29.3	2080	527		
35	7	rm		32.5	2691	585		
50	19	rm		1.4	1.9	37.5	3504	675

**ELECTRICAL DATA**

SIZE	DC Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at :			DC Voltage Test
	Conductor (Max)	Insulation (Min)	In Ground	In Air	0.1 second	0.5 second	1.0 second	
mm <sup>2</sup>	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	50	24	18	0.67	0.30	0.21	8.5 kV for 5 minutes
2.5	7.41		32	25	1.12	0.50	0.36	
4	4.61		41	34	1.80	0.80	0.57	
6	3.08		52	44	2.69	1.20	0.85	
10	1.83		69	60	4.49	2.01	1.42	
16	1.15	40	89	80	7.18	3.21	2.27	
25	0.727		116	105	11.23	5.02	3.55	
35	0.524		138	130	15.72	7.03	4.97	
50	0.387		165	160	22.45	10.04	7.10	

