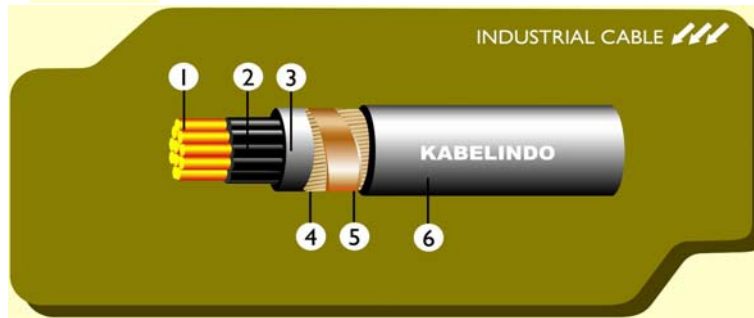


NYCY 0.6/1 kV

Copper Conductor, PVC Insulated, Concentric Copper wire Screening, PVC Sheathed



- 1. Conductor : Annealed Copper wire
- 2. Insulation : Extruded PVC
- 3. Filler : Extruded PVC
- 4/5. Screen : Copper wire and tape
- 6. Sheath : Extruded PVC

PVC LOW VOLTAGE CABLE

TECHNICAL DATA

Spec Specification : IEC 60502 - 1 : 1997

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

Cu Conductor Shape : re = Circular
rm = Circula

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

DIMENSIONAL DATA

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 ²	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	15.4	337	277	1000
	7	rm			15.9	353	286	
2.5	1	re			16.5	419	297	
	7	rm			17.2	445	310	
4	1	re	1		18.9	583	340	
	7	rm			19.7	621	355	
6	1	re	1.2		20.2	734	364	
	7	rm			21.2	786	382	
10	7	rm		24.1	1101	434		
16	7	rm		26.8	1530	482		
25	7	rm		31.4	2182	565		
35	7	rm		34.6	2787	623		
50	19	sm		1.4	1.9	39.6	3672	713

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 ²	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	30	165	160	22.45	10.04	7.10	