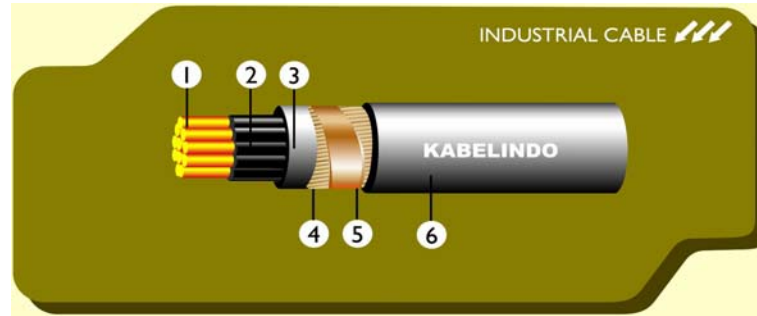


NYCY 0.6/1 kV

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



- 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

2 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 ²	pcs	shape	mm	mm	mm	kg/km	mm	m
1.5	1	re	0.8	1.8	13.4	228	241	1000
	7	rm			13.7	238	247	
2.5	1	re			14.2	278	256	
	7	rm			14.7	293	265	
4	1	re	1		15.9	371	286	
	7	rm			16.5	393	297	
6	1	re	1.2		16.9	452	304	
	7	rm			17.7	482	319	
10	7	rm			19.9	657	358	
	16	7			rm	21.9	889	
25		7		rm	25.3	1204	455	
	35	7		rm	27.5	1478	495	
50		19		sm	1.4	1.9	30.8	1927
	70	19		sm		2	35	2600
95		19		sm	1.6	2.2	40.1	3555
	120	37		sm		2.3	43.7	4374
150		37	sm	1.8	2.4	48	5207	864
	185	37	sm	2	2.6	53.6	6547	965
240		37	sm	2.2	2.8	60	8365	1080
	300	37	sm	2.4	3	67	10385	1206

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	8.5 kV for 5 minutes
1.5	12.1	50	27	21	0.67	0.30	0.21	
2.5	7.41		36	29	1.12	0.50	0.36	
4	4.61		47	38	1.80	0.80	0.57	
6	3.08		59	48	2.69	1.20	0.85	
10	1.83		78	66	4.49	2.01	1.42	
16	1.15	40	102	90	7.18	3.21	2.27	
25	0.727		134	120	11.23	5.02	3.55	
35	0.524		180	150	15.72	7.03	4.97	
50	0.387	30	210	180	22.45	10.04	7.10	
70	0.268		260	230	31.43	14.06	9.94	
95	0.193		315	280	42.66	19.08	13.49	
120	0.153		320	320	53.89	24.10	17.04	
150	0.124	20	355	375	67.36	30.12	21.30	
185	0.0991		409	430	83.07	37.15	26.27	
240	0.0754		472	510	107.77	48.20	34.08	
300	0.0601		525	590	134.71	60.25	42.60	