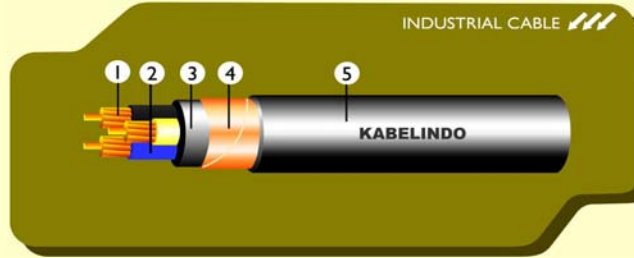


**N2XSY 0.6 /1 kV**

( Copper Conductor, XPLE Insulated, Copper Tape Screening, PVC Sheated )



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

**XPLE LOW VOLTAGE CABLE**

**TECHNICAL DATA**

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

**APL** Used for street and outdoor lighting house service in urban network, indoor, in duct installation or in the open where no sustain mechanical damage

**Cu** Conductor Shape : re = Circular Solid  
rm = Circular Stranded

**DCV** DC Test Voltage : 8.5 kV for 5 minute

**DIMENSIONAL DATA**

**5 CORES**

SIZE	No. Of Wire and Shaped Of Conductor		Nominal Thickness		Approximately		Min. Bending Diameter	Std. Length Delivery
			Insulation	Outer Sheath	Overall Diameter	Net. Weight		
mm <sup>2</sup>	pcs	shape	mm	mm	mm	kg / km	mm	m
1.5	1	re	0.7	1.8	14.1	290	253	1000
	7	rm			13.7	303	246	
2.5	1	re			14.4	367	258	
	7	rm			15	389	270	
4	1	re			15.6	471	281	
	7	rm			16.4	500	295	
6	1	re			17	603	306	
	7	rm			18	642	323	
10	7	rm			20.4	898	366	
16	7	rm			23.1	1254	416	
25	7	rm	0.9	27.7	1864	498		
35	7	rm		31.1	2452	559		
50	19	rm		1	2.1	35.5	3214	640

**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	8.5 kV for 5 minutes
1.5	12.1	1037	28	21	0.67	0.30	0.21	
2.5	7.41	842	37	29	1.12	0.50	0.36	
4	4.61	701	46	39	1.80	0.80	0.57	
6	3.08	592	59	49	2.69	1.20	0.85	
10	1.83	479	78	68	4.49	2.01	1.42	
16	1.15	392	101	91	7.18	3.21	2.27	
25	0.727	400	132	119	11.23	5.02	3.55	
35	0.524	346	157	148	15.72	7.03	4.97	
50	0.387	328	187	181	22.45	10.04	7.10	