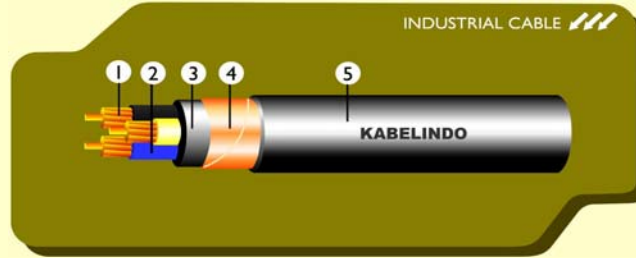


N2XSY 0.6 /1 kV

(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

4 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 ²	pcs	shape	mm	mm	mm	kg / km	mm	m
1.5	1	re	0.7	1.8	14.5	249	261	1000
	7	rm			12.9	261	232	
2.5	1	re			13.5	312	242	
	7	rm			14	331	253	
4	1	re			14.6	394	262	
	7	rm			15.3	421	276	
6	1	re			15.8	500	285	
	7	rm			16.7	535	301	
10	7	rm			18.8	743	339	
16	7	rm			21.3	1032	384	
25	7	rm	25.4	1523	457			
35	7	rm	28.1	1974	506			
50	19	sm	1	1.9	28.8	2347	519	500
70	19	sm	1.1	2	33.5	3221	602	
95	19	sm		2.1	37.1	4274	667	
120	37	sm	1.2	2.3	42	5452	757	
150	37	sm	1.4	2.4	45.5	6617	819	
185	37	sm	1.6	2.6	51.4	8222	926	300
240	61	sm	1.7	2.8	57.4	10577	1033	
300	61	sm	1.8	3	63.9	12868	1150	

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	
mm²	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	
70	0.268	303	233	227	31.43	14.06	9.94	
95	0.193	261	278	278	42.66	19.08	13.49	
120	0.153	253	324	324	53.89	24.10	17.04	
150	0.124	265	358	370	67.36	30.12	21.30	
185	0.0991	270	403	420	83.07	37.15	26.27	
240	0.0754	252	475	495	107.77	48.20	34.08	
300	0.0601	239	528	568	134.71	60.25	42.6	