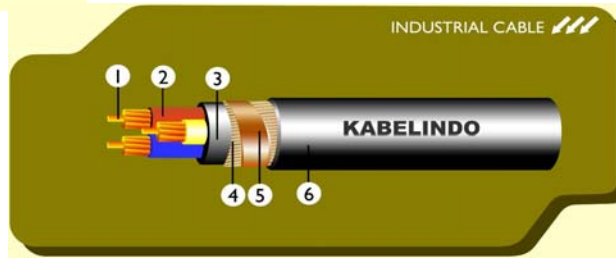


**N2XCY 0.6 /1 kV**

**CONTROL CABLE**

( Copper Conductor, XPLE Insulated, Concentric Copper Wire Screening, PVC Sheated )



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

**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**

**2 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	12.92	208	233	1000		
	7	rm			13.25	216	239			
2.5	1	re			13.74	255	247			
	7	rm			14.21	269	256			
4	1	re			14.66	318	264			
	7	rm			15.26	337	275			
6	1	re			15.68	395	282			
	7	rm			16.42	419	296			
10	7	rm			18.62	587	335			
16	7	rm			20.66	808	372			
	7	rm			0.9	24.04	1102		433	
25	7	rm				26.26	1363		473	
50	19	rm			1	1.9	29.32		1783	528
70	19	rm			1.1	2	33.76		2445	608
95	19	rm	2.2	38.27		3321	689			
120	37	rm	1.2	2.3	42.27	4154	761			
150	37	rm	1.4	2.5	46.52	4952	837			
185	37	rm	1.6	2.6	52.2	6250	940			
240	61	rm	1.7	2.8	58.13	7971	1046			
300	61	rm	1.8	3.1	65.19	9941	1173			

**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	0.5	1.0	
					Second	Second	Second	
mm <sup>2</sup>	Ohm/km	M.ohm.km	A	A	kA	kA	kA	
1.5	12.1	1037	31	24	0.67	0.30	0.21	
2.5	7.41	842	41	33	1.12	0.50	0.36	
4	4.61	701	53	44	1.80	0.80	0.57	
6	3.08	592	67	54	2.69	1.20	0.85	

TABEL XPLE LOW VOLTAGE CABLE Hal 25.xls

10	1.83	479	88	75	4.49	2.01	1.42	8.5 kV for 5 minutes
16	1.15	392	116	102	7.18	3.21	2.27	
25	0.727	400	153	137	11.23	5.02	3.55	
35	0.524	346	181	170	15.72	7.03	4.97	
50	0.387	328	212	204	22.45	10.04	7.10	
70	0.268	303	262	262	31.43	14.06	9.94	
95	0.193	261	318	312	42.66	19.08	13.49	
120	0.153	253	364	364	53.89	24.10	17.04	
150	0.124	265	403	426	67.36	30.12	21.30	
185	0.0991	270	465	489	83.07	37.15	26.27	
240	0.0754	252	536	580	107.77	48.20	34.08	
300	0.0601	239	597	670	134.71	60.25	42.60	

