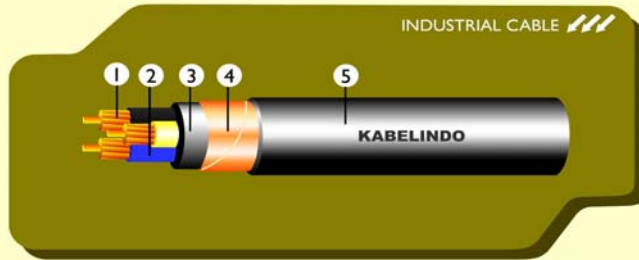


N2XS(Y) 0.6 /1 kV

(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 :

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

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 ²	pcs	shape	mm	mm	mm	kg / km	mm	m		
1.5	1	re	0.7	1.8	11.3	196	204	1000		
	7	rm			11.7	205	210			
2.5	1	re			12.1	236	219			
	7	rm			12.6	251	227			
4	1	re			13.1	288	235			
	7	rm			13.7	308	246			
6	1	re			14.1	353	253			
	7	rm			14.8	380	267			
10	7	rm			16.6	508	298			
16	7	rm			18.6	682	335			
25	7	rm			22	984	396			
35	7	rm			0.9	24.2	1250		436	
50	19	rm			1	1.9	27.3		1595	491
70	19	rm			1.1	2	31.4		2175	564
95	19	rm	2.2	35.9		2914	646			
120	37	rm	1.2	2.3		39.6	3579	712		
150	37	rm	1.4	2.4	43.6	4363	785	500		
185	37	rm	1.6	2.6	48.9	5451	879	300		
240	61	rm	1.7	2.8	54.7	9965	985			
300	61	rm	1.8	3	60.7	8627	1092			

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	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	
10	1.83	479	88	75	4.49	2.01	1.42	
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	