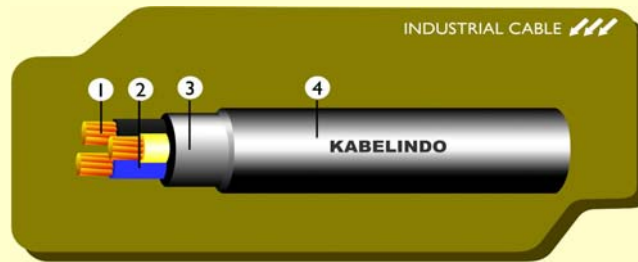


N2XY 0.6 /1 kV

(Copper Conductor, XPLE Insulated, PVC Sheated)



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

XPLE LOW VOLTAGE CABLE

TECHNICAL DATA

Spec Specification : SPLN 43 - 6 : 1994
IEC 60502 - 1 : 1997

APL Used for indoor in ducts installation or for laying and outdoor in the ground where not sustain mechanical damage

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

DCV DC Test Voltage : 8.5 kV for 5 minute

DIMENSIONAL DATA

3 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	11.6	189.1	209	1000
	7	rm			12	195	216	
2.5	1	re			12.5	232.9	225	
	7	rm			13	248	234	
4	1	re			13.5	294.6	243	
	7	rm			14.1	315.4	254	
6	1	re			14.6	374.4	263	
	7	rm			15.4	402.5	277	
10	7	rm			17.3	560	311	
16	7	rm			19.5	779.7	351	
25	7	rm	23.1	1154.6	416			
35	7	rm	25.5	1498.5	459			
50	19	sm	1	24.4	1863.8	439		
70	19	sm	1.1	28.3	2556.8	509		
95	19	sm		2.1	31.6	3447.7	569	
120	37	sm	1.2	2.2	34.8	4326.1	626	
150	37	sm	1.4	2.3	38.7	5293.8	697	
185	37	sm	1.6	2.5	43.3	6543.7	779	
240	61	sm	1.7	2.7	48.4	8507.5	871	
300	61	sm	1.8	3.1	54	10659.8	972	

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	29	21	0.67	0.30	0.21	
2.5	7.41	842	38	28	1.12	0.50	0.36	
4	4.61	701	49	37	1.80	0.80	0.57	
6	3.08	592	60	47	2.69	1.20	0.85	
10	1.83	479	97	64	4.49	2.01	1.42	
16	1.15	392	108	86	7.18	3.21	2.27	
25	0.727	400	141	115	11.23	5.02	3.55	
35	0.524	346	170	142	15.72	7.03	4.97	
50	0.387	328	201	172	22.45	10.04	7.10	
70	0.268	303	249	218	31.43	14.06	9.94	
95	0.193	261	299	269	42.66	19.08	13.49	
120	0.153	253	340	311	53.89	24.10	17.04	
150	0.124	265	381	356	67.36	30.12	21.30	
185	0.0991	270	434	413	83.07	37.15	26.27	
240	0.0754	252	506	491	107.77	48.20	34.08	
300	0.0601	239	585	569	134.71	60.25	42.60	