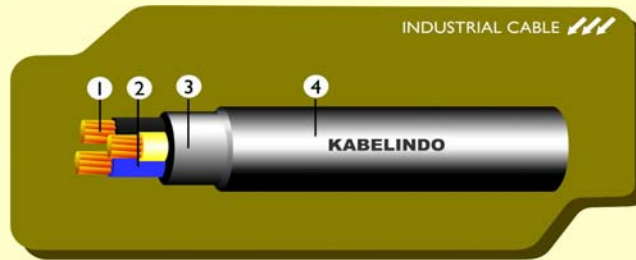


**N2XY 0.6 /1 kV**

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

**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 <sup>2</sup>	pcs	shape	mm	mm	mm	kg / km	mm	m		
1.5	1	re	0.7	1.8	12.3	191.2	221	1000		
	7	rm			12.7	200.7	229			
2.5	1	re			13.3	247.8	239			
	7	rm			13.9	264.5	250			
4	1	re			14.4	323.3	259			
	7	rm			15.2	346.7	274			
6	1	re			15.7	422.2	283			
	7	rm			16.6	453.9	299			
10	7	rm			18.7	649.8	337			
16	7	rm			21.2	925.4	382			
25	7	rm			0.9	25.2	1394.3		454	
35	7	rm				27.9	1831		502	
50	19	sm			1	1.9	29.1		2306.9	524
70	19	sm			1.1	2.1	33.7		3198.2	607
95	19	sm	2.2	37.3		4293.1	671			
120	37	sm	2.3	41.9		5419.2	754			
150	37	sm	1.2	2.3	41.9	5419.2	754			
185	37	sm	1.4	2.5	45.5	6631.1	819			
240	61	sm	1.6	2.7	51.5	8321.6	927			
300	61	sm	1.7	2.9	57.5	11025.9	1035			
	61	sm	1.8	3.1	64	13517.7	1152			

**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	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	