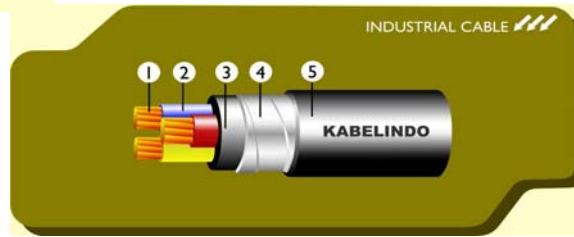


**N2XBY - 0.6 / 1 kV**

**Copper Conductor, XLPE Insulated, Double Zinc-Coated Steel Tapes Armoured, PVC Sheathed**



- 1. Conductor : Annealed Copper wire
- 2. Insulation : Extruded XLPE
- 3. Filler : Extruded PVC
- 4. Armour : Double Galvanized Steel Tapes
- 5. Sheath : Extruded PVC

**LOW VOLTAGE XPLE INSULATED ARMOURED CABLE**

**TECHNICAL DATA**

Spec Specification : IEC 502

APL Used for indoor and outdoor installation direct burial preferably use where considerable mechanical stress must be envisaged

Cu Conductor Shape : rm  
rm = Circular Stranded  
ACV AC Test Voltage : 42 kV for 5 minute ( IEC )  
30 kV for 5 minute ( SPLN )

**DIMENSIONAL DATA**

**5 CORES**

SIZE (mm <sup>2</sup> )	No. Of Wire and shaped Of Conductor		Nominal Thickness			Approximately			Min. Bending Diameter (mm)	Std. Length per reel (m)	
			Insulation (mm)	Steel Tape Armoured (mm)	Outer Sheath (mm)	Inner Sheathed Diameter (mm)	Overall Diameter (mm)	Net. Weight (kg / km)			
1.5 (*)	1	re	0.70	0.20	1.80	12.01	17.00	450	270		
	7	rm						444			
2.5	1	re						12.00		480	280
	7	rm							473		
4	1	re						12.60	18.00	554	290
	7	rm						13.40		587	
6	1	re						14.00	19.00	697	320
	7	rm						14.90	20.00	738	
10	1	re						16.30	21.00	492	380
	7	rm						17.70	23.00	1,010	
16	7	rm			20.60	26.00	1,388	470			
25				1.90	25.40	31.00	2,044	560			
35				2.10	28.60	34.00	2,649	630			
50 (*)	19		1.00	0.50	2.20	32.80	40.00	3,805	740	500	

**ELECTRICAL DATA**

SIZE (mm <sup>2</sup> )	Resistance at 20°C		Current Carrying Capacity at 30°C		Conductor Short Circuit Current Capacity at :		
	Conductor DC.max.	Insulation Minimum	In Ground	In Air	0.1 sec	0.5 sec	1.0 sec
	Ohm/km	M.Ohm.km	A	A	kA	kA	kA
1.5	12.1	1,170	21	27	0.72	0.34	0.26
2.5	7.41	963	29	37	1.18	0.56	0.41
4	4.16	804	39	47	1.87	0.87	0.64
6	3.08	683	50	60	2.79	1.29	0.93
10	1.83	552	69	76	4.62	2.12	1.53
16	1.15	402	91	101	7.35	3.36	2.41
25	0.727	410	119	132	11.45	5.21	3.73
35	0.524	353	148	156	16.00	7.26	5.18
50	0.387	334	182	187	22.82	10.32	7.36