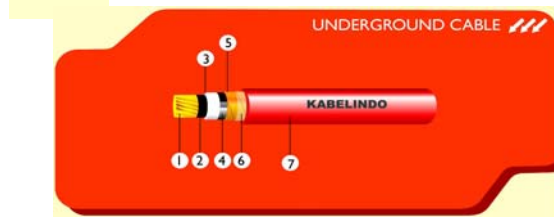


**N2XSY / NA2XSY 8.7 / 15 (17.5) kV**

Copper or Aluminium Conductor , XLPE Insulated  
Copper Wire / Tape Screened , PVC Sheathed Cable



- 1. Conductor : Copper or aluminum ( compacted circular stranded )
- 2. Conductor screen : Extruded semi conductive compound
- 3. Insulation : Extruded Cross Linked Polyethylene (XLPE)
- 4. Insulation screen : Extruded Strippable semi conductive compound
- 5. Metallic Screen : Helically Overlapped copper tape
- 6. Inner Covering : Helically Overlapped Polyester tape
- 7. Outer Sheath : Extruded PVC 90° C grade

**MEDIUM VOLTAGE XPLE INSULATED CABLE**

**TECHNICAL DATA**



Specification : IEC 502-2



Used for distribution indoor and outdoor installation in conduit throughs or trays or in the ground where not sustain mechanical damage

**DIMENSIONAL DATA**

**1 CORE**

Cross Section Nominal	Conductor Diameter (Approx)	Insulation Thickness Nominal	Insulation Diameter (Approx)	Sheath Thickness Nominal	Cable Net Weight (Approx)		Min. Bending Radius	Overall Cable Diameter	Std. Length per reel
					Cu	Al			
(mm <sup>2</sup> )	(mm)	(mm)	(mm)	(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)
25	6.05	4.5	16.5	1.7	800	600	290	23	1.000
35	7.1		17.5	1.8	900	700	310	24	
50	8.25		18.7		1.000	800	330	25	
70	9.9		20.3	1.300	900	360	27		
95	11.7		22.1	1.600	1.000	400	28		
120	13.1		23.5	1.900	1.100	430	30		
150	14.3		24.7	2.200	1.300	460	31		
185	16.3		26.7	2.600	1.500	500	33		
240	18.7		29.1	3.200	1.700	550	36		
300	20.9		31.3	3.800	1.900	590	38		
400	23.7		34.1	4.800	2.400	650	41		
500	26.6		37.0	5.900	2.800	710	44		
630	30.3		41.9	7.900	3.500	810	50		
800	34.2		45.8	9.300	4.200	880	54		

**ELECTRICAL DATA**

Cross Section Nominal	Max.DC Resistance at 20° C Conductor		DC Insulation Resistance at 20° C	Current Carrying Capacity at 30° C - in Air		Current Carrying Capacity at 30° C - in Ground		Capacitance per phase	Inductance per phase	Max.Short Circuit Current of Screen	Max.Short Circuit Current of Conductor	
	Cu	Al		Cu	Al	Cu	Al				Cu	Al
(mm <sup>2</sup> )	(ohm / km)	(ohm / km)	M.Ohm.km	A	A	A	A	uF / km	mH / km	kA / Sec	kA / Sec	kA / Sec
25	0.727	1.200	1.300	191	147	172	132	0.138	0.452	2.92	3.73	2.49
35	0.524	0.868	1.200	233	180	205	158	0.154	0.428	2.48	5.18	3.45
50	0.268	0.641	1.100	279	217	240	187	0.170	0.407	2.63	7.36	4.89
70	0.193	0.443	1.000	347	240	292	228	0.193	0.386	2.85	10.26	6.81
95	0.153	0.320	900	420	328	347	271	0.218	0.365	3.09	13.88	9.19
120	0.193	0.253	800	483	378	391	307	0.238	0.354	3.28	17.49	11.58
150	0.124	0.206	700	540	425	427	339	0.254	0.345	4.29	21.81	14.43
185	0.0991	0.164		614	485	478	380	0.281	0.332	4.62	26.86	17.76
240	0.0754	0.125	600	718	513	546	439	0.314	0.318	4.02	34.78	22.98
300	0.0601	0.100		813	652	608	491	0.344	0.308	4.31	43.41	28.67
400	0.0470	0.0778	500	904	740	659	543	0.382	0.300	5.85	57.79	38.14
500	0.0366	0.0605		1.011	838	776	617	0.421	0.291	6.33	72.16	47.60
630	0.0283	0.0469	400	1.090	873	821	657	0.428	0.28	5.82	90.83	59.90
800	0.0221	0.0367		1.212	970	874	701	0.476	0.280	6.34	115.23	75.96