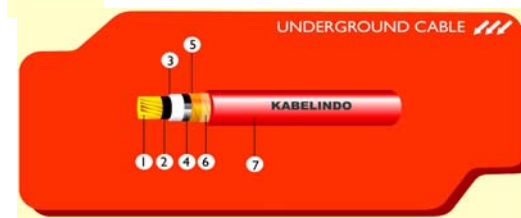


N2XSY / NA2XSY 6/10 (12) kV

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



- 1. Conductor : Copper or aluminium (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 ²)	(mm)	(mm)	(mm)	(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)
25	6.05	3.4	14.3	1.6	700	500	260	20	1.000
35	7.1		15.3	1.7	800	600	280	21	
50	8.25		16.5	1.8	1.000	700	310	23	
70	9.9		18.1	1.9	1.200	800	340	24	
95	11.7		19.9	2.0	1.500	900	380	26	
120	13.1		21.3	2.1	1.700	1.000	410	28	
150	14.3		22.5	2.2	2.100	1.200	430	29	
185	16.3		24.5	2.3	2.500	1.300	470	31	
240	18.7		26.9	2.4	3.100	1.600	520	34	
300	20.9		29.1	2.5	3.700	1.800	570	36	
400	23.7		31.9	2.6	4.600	2.200	630	39	
500	26.6		34.8	2.7	5.700	2.600	690	42	
630	30.3		39.7	2.8	7.300	3.300	780	48	
800	34.2		43.6	2.9	9.100	3.900	860	52	

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 ²)	(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	1.100	191	147	172	132	0.161	0.430	2.56	3.73	2.49
35	0.524	0.868	1.000	231	178	204	157	0.181	0.408	2.73	5.18	3.45
50	0.268	0.641	900	277	215	239	186	0.200	0.390	2.92	7.36	4.89
70	0.193	0.443	800	345	268	291	227	0.230	0.367	2.56	10.26	6.81
95	0.153	0.320	700	418	327	344	270	0.261	0.349	2.80	13.88	9.19
120	0.193	0.253	600	481	377	388	305	0.286	0.337	2.98	17.49	11.58
150	0.124	0.206		537	424	423	336	0.306	0.331	3.93	21.81	14.43
185	0.0991	0.164	500	612	485	473	377	0.341	0.318	4.26	26.86	17.76
240	0.0754	0.125		716	573	540	434	0.382	0.306	4.66	34.78	22.98
300	0.0601	0.100	400	811	652	601	487	0.420	0.296	4.02	43.41	28.67
400	0.0470	0.0778		901	741	649	537	0.467	0.288	5.48	57.79	38.14
500	0.0366	0.0605		1.006	838	774	615	0.517	0.280	5.96	72.16	47.60
630	0.0283	0.0469	300	1.088	871	819	655	0.514	0.280	5.53	90.83	59.90
800	0.0221	0.0367		1.210	968	872	698	0.572	0.272	6.05	115.23	75.96