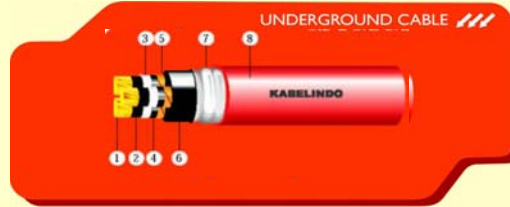


**N2XSEMICY / NA2XSEMICY 6/10 (12) kV**

Copper or Aluminium Conductor , XLPE Insulated  
Copper wire / tape screened, Steel tape corrugated armoured, 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 Sheath : Extruded PVC 90° C grade
- 7. Armour : Steel Corrugated
- 8. Outer Sheath : Extruded PVC 90° C grade

**MEDIUM VOLTAGE XPLE INSULATED CABLE**

**TECHNICAL DATA**



Specification : IEC 60502



Conductor Shape : Copper or aluminium (compacted circular stranded)



Application : Used for indoor and outdoor installation in duck or rack cable tray in hazardous area.

**DIMENSIONAL DATA**

**3 CORES**

Cross Section Nominal	Conductor Diameter (Approx)	Insulation Thickness Nominal	Insulation Diameter (Approx)	Armour Thickness Nominal	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)	(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)
25	6.05	3.4	14.3	0.40	2.5	3.200	2.700	410	48	500
35	7.1		15.3		2.6	3.700	3.000	440	51	
50	8.25		16.5		2.7	4.500	3.600	470	55	
70	9.9		18.1	0.50	2.8	5.400	4.100	510	58	
95	11.7		19.9		3.0	6.600	4.800	560	63	
120	13.1		21.3		3.1	7.600	5.300	600	67	
150	14.3		22.5		3.2	8.700	5.900	630	70	
185	16.3		24.5	0.60	3.4	10.300	6.700	690	75	
240	18.7		26.9		3.6	12.800	8.200	760	82	
300	20.9		29.1		3.8	15.200	9.400	820	88	
400	23.7		31.9	4.0	18.400	11.000	880	94		

**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	1.100	132	102	131	101	0.161	0.361	2.15	3.73	2.49
35	0.524	0.868	1.000	171	132	169	130	0.181	0.342	2.30	5.18	3.45
50	0.387	0.641	900	204	158	202	154	0.200	0.327	2.46	7.36	4.89
70	0.268	0.443	800	254	197	243	189	0.230	0.309	2.69	10.26	6.81
95	0.193	0.320	700	310	238	292	227	0.261	0.295	2.94	13.88	9.19
120	0.153	0.253	600	356	275	331	257	0.286	0.286	3.14	17.49	11.58
150	0.124	0.206		406	312	372	289	0.306	0.279	3.31	21.81	14.43
185	0.0991	0.164	500	464	357	421	328	0.341	0.270	3.58	26.86	17.76
240	0.0754	0.125		547	417	488	381	0.382	0.261	3.92	34.78	22.98
300	0.0601	0.100		622	475	547	409	0.420	0.255	4.23	43.41	28.67
400	0.047	0.0778	400	751	586	618	489	0.467	0.248	4.62	57.79	38.14