

N2XSEBY / NA2XSEBY 3.6/6 (7.2) kV

Copper or Aluminium Conductor , XLPE Insulated
Copper wire / tape screened, Zinc-coated steel tape 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 : Helically Overlapped Galvanized Steel Tape (Double Tape)
- 8. Outer Sheath : Extruded PVC 90° C grade

MEDIUM VOLTAGE XPLE INSULATED CABLE

TECHNICAL DATA

SPEC STD Specification : SPLN 43-5, IEC 60502

Cu Conductor Shape : Copper or aluminium (compacted circular stranded)

APL Application : Used for primary underground distribution installation direct burial in wet or dry location

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 ²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)		
25	6.05	2.5	12.5	0.5	2.2	2.800	2.300	340	39	500		
35	7.1		13.5		2.3	3.200	2.600	370	42			
50	8.25		14.7		2.4	3.800	2.900	400	45			
70	9.9		16.3		2.5	4.700	3.400	440	49			
95	11.7		18.1		2.6	5.800	4.000	490	53			
120	13.1		19.5		2.7	6.800	4.600	520	56			
150	14.3		20.7		2.8	7.900	5.100	550	59			
185	16.3		22.7		2.9	9.400	5.900	600	64			
240	18.7		2.6		25.3	3.1	11.700	7.000	670		70	350
300	20.9		2.8		27.9	3.3	14.100	8.300	730		76	
400	23.7	3.0	31.1	0.8	3.6	18.300	10.900	820	85			

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
	(ohm / km)	(ohm / km)		M.Ohm.km	A	A	A				A	uF / km
25	0.727	1.200	900	133	102	132	101	0.191	0.322	1.90	3.73	2.49
35	0.524	0.868	800	172	132	170	130	0.216	0.308	2.05	5.18	3.45
50	0.387	0.641	700	205	159	201	155	0.240	0.298	2.21	7.36	4.89
70	0.268	0.443	600	256	198	245	190	0.279	0.284	2.44	10.26	6.81
95	0.193	0.320	500	312	239	294	228	0.318	0.273	2.69	13.88	9.19
120	0.153	0.253		359	277	334	259	0.349	0.266	2.89	17.49	11.58
150	0.124	0.206		409	314	375	291	0.376	0.261	3.05	21.81	14.43
185	0.0991	0.164	400	468	360	424	330	0.419	0.254	3.33	26.86	17.76
240	0.0754	0.125		552	420	492	384	0.459	0.249	3.70	34.78	22.98
300	0.0601	0.100		627	479	552	412	0.481	0.246	4.06	43.41	28.67
400	0.047	0.0778		758	591	623	493	0.511	0.243	4.51	57.79	38.14