

N2XSEKBY / NA2XSEKBY 8.7/15 (17.5) kV

Copper or Aluminium Conductor , XLPE Insulated
Copper wire / tape screened, Lead sheathed, 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. Metallic Sheath : Extruded Lead Alloy
- 8. Sparation Sheath : Extruded PVC 90° C grade
- 9. Armour : Helicaly Overlapped Galvanized Steel Tape (Double Tape)
- 10. Outer Sheath : Extruded PVC 90° C grade

MEDIUM VOLTAGE XPLE INSULATED CABLE

TECHNICAL DATA



Specification : IEC 60502



Conductor Shape :Copper or aluminium (compacted ci



Aplication : Used for primary under ground distribution installation direct burial, in petroleum and chemical plants and in areas in which ground water contain waste oil or chemical (sulfides, etc).

DIMENSIONAL DATA

3 CORES

Cross Section Nominal	Conductor Diameter (Approx)	Insulation Thickness Nominal	Insulation Diameter (Approx)	Lead Thickness Nominal	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)	(mm)	(kg / km)	(kg / km)	(mm)	(mm)	(m)
25	6.05	4.5	16.5	1.9	0.50	2.7	7.500	7.000	470	57	500
35	7.1		17.5	2		2.8	8.300	7.600	500	59	
50	8.25		18.7	2.1		3.0	9.500	8.600	530	63	
70	9.9		20.3	2.2		3.1	11.000	9.700	580	67	
95	11.7		22.1	2.3		3.2	12.800	11.000	630	72	
120	13.1		23.5	2.4		3.3	14.500	12.100	660	75	
150	14.3		24.7	2.5		3.5	16.200	13.300	700	79	
185	16.3		26.7	2.6		3.6	19.400	15.800	760	85	
240	18.7		29.1	2.7		3.8	22.700	17.900	820	91	
300	20.9		31.3	2.9		4.0	26.400	20.500	880	97	
400	23.7	34.1	3.1	4.3	31.200	23.700	960	104			

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		Capacitance per phase	Inductance per phase	Max.Short Circuit Current	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	1.300	132	101	130	100	0.127	0.372	2.46	3.73	2.49
35	0.524	0.868	1.200	170	137	168	130	0.140	0.355	2.61	5.18	3.45
50	0.387	0.641	1.100	203	158	199	151	0.154	0.341	2.77	7.36	4.89
70	0.268	0.443	1.000	253	201	242	183	0.175	0.324	3.00	10.26	6.81
95	0.193	0.320	900	308	241	290	219	0.197	0.310	3.25	13.88	9.19
120	0.153	0.253	800	354	278	330	251	0.214	0.301	3.44	17.49	11.58
150	0.124	0.206	700	404	314	370	279	0.228	0.294	3.61	21.81	14.43
185	0.0991	0.164		462	359	418	316	0.252	0.285	3.89	26.86	17.76
240	0.0754	0.125	600	545	418	484	366	0.280	0.275	4.23	34.78	22.98
300	0.0601	0.100		619	474	546	408	0.306	0.268	4.53	43.41	28.67
400	0.047	0.0778		500	748	584	615	487	0.339	0.261	4.92	57.79