

N2XSEFGbY / NA2XSEFGbY 3.6/6 (7.2) kV

Copper or Aluminium Conductor , XLPE Insulated
Copper wire / tape screened, Zinc-coated flat steel wire 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
- 7/8. Armour : Galvanized Flat Steel and Steel tape
- 9. 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	0.80	2.2	2.900	2.400	350	40	500
35	7.1		13.7		2.3	3.300	2.700	370	42	
50	8.25		14.7		2.4	3.900	3.000	400	45	
70	9.9		16.3		2.5	4.900	3.600	440	49	
95	11.7		18.1		2.6	6.000	4.200	490	53	
120	13.1		19.5		2.7	7.000	4.700	520	56	
150	14.3		20.7		2.8	8.100	5.200	550	59	
185	16.3		22.7		2.9	9.600	6.100	600	64	
240	18.7		25.3		3.1	11.900	7.200	670	70	
300	20.9		27.9		3.3	14.300	8.600	730	76	
400	23.7	31.1	3.6	17.700	10.300	810	84	350		

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
25	0.727	1.200	900	133	102	132	101	0.255	0.358	1.90	3.73	2.49
35	0.524	0.868	800	172	132	170	130	0.286	0.339	2.05	5.18	3.45
50	0.387	0.641	700	205	159	201	155	0.314	0.325	2.21	7.36	4.89
70	0.268	0.443	600	256	198	245	190	0.361	0.307	2.44	10.26	6.81
95	0.193	0.320	500	312	239	294	228	0.410	0.293	2.69	13.88	9.19
120	0.153	0.253		359	277	334	259	0.448	0.284	2.89	17.49	11.58
150	0.124	0.206		409	314	375	291	0.480	0.277	3.05	21.81	14.43
185	0.0991	0.164	400	468	360	424	330	0.534	0.268	3.33	26.86	17.76
240	0.0754	0.125		552	420	492	384	0.578	0.261	3.70	34.78	22.98
300	0.0601	0.100		627	479	552	412	0.596	0.258	4.06	43.41	28.67
400	0.047	0.0778		758	591	623	493	0.625	0.253	4.51	57.79	38.14