

**NFA2XSEY - T 12/20 (24) Kv AERIAL TWISTED CABLE**

Aluminium Conductor , XLPE Insulated  
 Copper wire / tape screened, PVC sheathed cable with Zinc - coated round steel wire messenger



- 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. Outer Sheath : Extruded PVC 90° C grade
- 7. Messenger : Stranded steel wire PVC 90° Covered

**MEDIUM VOLTAGE XPLE INSULATED CABLE**

**TECHNICAL DATA**



Specification : SPLN 43-5, IEC 60502



Conductor Shape : Copper or aluminium ( compacted circular stranded)



Application : Used for overhead installation

**DIMENSIONAL DATA**

**3** CORES

Cross Section Nominal	Conductor Diameter (Approx)	Insulation Thickness Nominal	Insulation Diameter (Approx)	Sheath Thickness Nominal	Min. Bending Radius	Overall Cable Diameter	Std. Length per reel
( mm <sup>2</sup> )	( mm )	( mm )	( mm )	( mm )	( mm )	( mm )	( m )
3x35+50	7.0	5.5	19.6	1.8	470	56	500
3x50+50	8.2		20.8		500	58	
3x70+50	9.8		22.4	1.9	540	62	
3x95+50	11.5		24.1		580	66	
3x120+50	12.9		25.5		620	70	
3x150+50	14.1		26.7	2.0	650	73	350
3x185+50	16.1		28.7		700	77	
3x240+50	18.2		30.8		760	83	
3x300+50	20.6		33.2		820	88	

**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		Capacitance per phase	Inductance per phase
	Cu	Al		Cu	Al		
( mm <sup>2</sup> )	( ohm / km )		M.Ohm.km	A		uF / km	mH / km
50	0.868		1.400	142		0.106	0.418
70	0.641		1.300	165		0.116	0.400
95	0.443		1.100	204		0.128	0.382
120	0.320		1.000	247		0.141	0.365
150	0.253		900	287		0.152	0.354
185	0.206			326		0.160	0.346
240	0.164		800	373		0.175	0.333
300	0.125		700	435		0.189	0.323
400	0.100			481		0.206	0.312