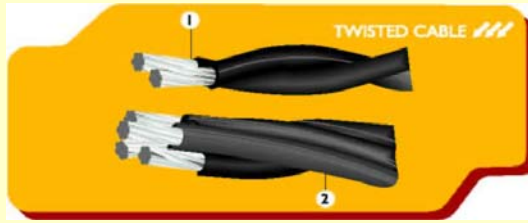


**NFA2X - T 0.6/1 kV**

Aluminium Conductor, XPLE Insulated, Twisted Cable with Neutral Messenger and Public Lighting



- 1. Conductor : All Aluminium Conductor (AAC)
- 2. Insulation : Extruded Cross Linked Polyethylene ( XLPE )

**XPLE LOW VOLTAGE CABLE**

**TECHNICAL DATA**

**SPEC STD** Specification : SPLN 42 - 10 : 195

Conductor Shape : rm

**APL** Used for secondary distribution and street lighting overhead low voltage cable.

**DCV** DC Test Voltage : 8.5 kV for 5 minute

**DIMENSIONAL DATA**

**3 CORES**

Nominal Cross Section Area		Number of wire		Nominal Ins. Thickness		Min. Calculated Breaking Strength	Approximately		Min. Bending Diameter	Std. Length Delivery
phase	Neutral	Public Lighting	phase	Neutral	Public Lighting		Cabling Diameter	Net. Weight		
mm <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>	mm	mm	mm	kg	mm	kg / km	mm	mm
25	25	2 x 16	1.4	1.4	1.2	712	31.1	570	560	1000
35	25		1.6	1.4		712	33.3	694	599	
50	35		1.6	1.6		997	35.5	893	639	
70	50		1.8	1.6		1395	39.7	1149	715	
95	70		2	1.8		1932	42.2	1501	760	
25	25	2 x 16	1.4	1.4	1.2	712	31.1	570	560	1000
35	25		1.6	1.4		712	33.3	694	599	
50	35		1.6	1.6		997	35.5	893	639	
70	50		1.8	1.6		1395	39.7	1149	715	
95	70		2	1.8		1932	42.2	1501	760	

**ELECTRICAL DATA**

Nominal Cross Section Area		DC. Resistance at 20° C						Current Carrying Capacity at 35° C		Conductor Short Circuit Current at :		
		Conductor Max.		Insulation Min.								
phase	Neutral	Phase	Neutral	Public Lighting	Phase	Neutral	Public Lighting	Neutral	Public Lighting	0.1 Sec.	0.5 Sec.	1.0 Sec.
mm <sup>2</sup>	mm <sup>2</sup>	Ohm / km		1.91	M.ohm/km			A	mm	kA	kA	kA
25	25	1.20	1.38		600	590	630	103	72	7.27	3.25	2.30
35	25	0.868	1.38		580	590		125		10.18	4.55	3.22
50	35	0.641	0.986		500	580		154		14.55	6.51	4.60
70	50	0.443	0.690		470	490		196		20.37	9.11	6.44
95	70	0.320	0.450		450	470		242		27.64	12.36	8.74