

**Triplex Cable AWG 4 Barnacles****Phase Cores**

1	Material		→	Aluminium 1350 (H19)
2	Conductor Size		→	4 awg
3	Nominal Area		→	21.2 mm
4	Number of Aluminium Wire		→	7
5	Shape of the Conductor		→	Stranded Compressed
6	Compressed Diameter	(Nominal)	→	5.7 mm
7	Rated Strength	Min	→	3.91 kN
8	Lay Direction		→	Z Right Hand
9	Phase Core Lay Factor	Min	→	8
		Max	→	16
10	Calculated DC Resistance at 20°C	Max	→	1.434 Ω/km
11	Insulation Material		→	XLPE
12	Insulation Colour		→	Black
13	Insulation Thickness	avg	→	1.5 mm
		Min	→	1.25 mm
14	Core Identification	Phase 1	→	Plain
		Phase 2	→	1 Ridge

**Neutral Core**

15	Material		→	Aluminium Alloy 6201
16	Conductor Size		→	4 awg
17	Nominal Area		→	21.2 mm <sup>2</sup>
18	Construction		→	7/1.96 mm
19	Shape of Conductor		→	Circular Stranded
20	Rated Strength	Min	→	6.69 kN
21	Lay Direction		→	Z Right Hand
22	Neutral Core Lay Factor	Min	→	10
		Max	→	16
23	Calculated DC Resistance at 20°C	Max	→	1.586 Ω/km
24	Core Identification		→	Bare

**Complete Cable**

25	Maximum Lay Pitch		→	80 cm
26	Lay Direction		→	Z Right Hand
27	Marking to be Engraved		→	Manufacturers name at 1m interval

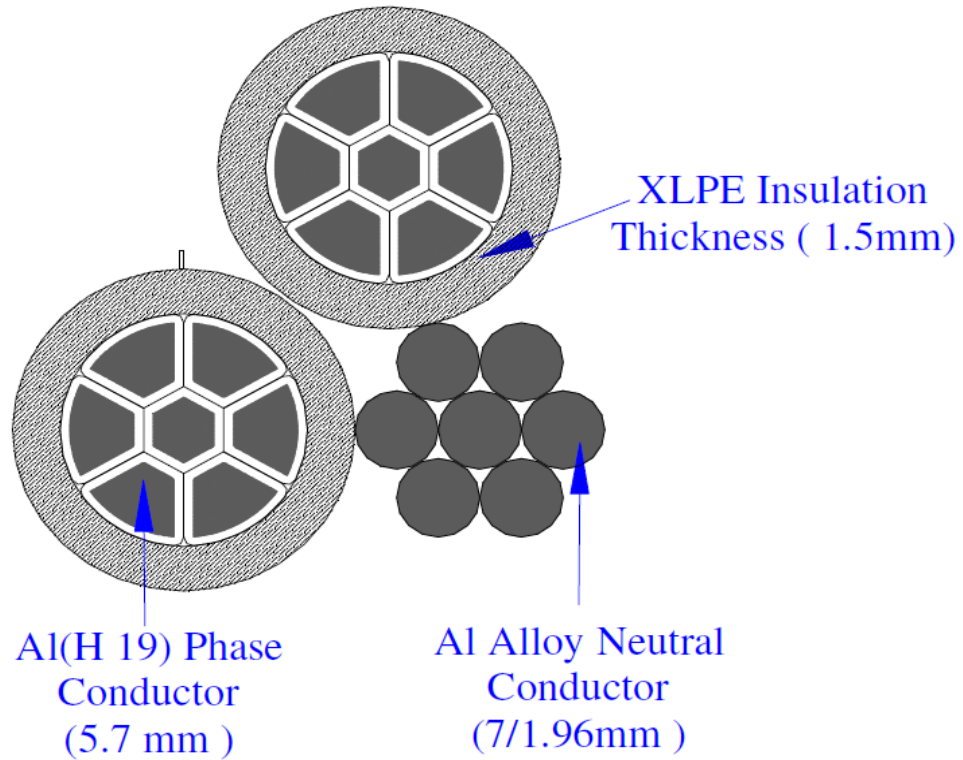
Reference Standards: ASTM B231-90, ASTM 230, Customer Specification, NFC 33-209

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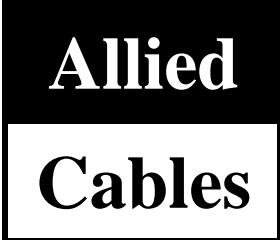
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all dimensions are in mm



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<b>AL/XLPE Triplex Cable 4 AWG</b>			
<b>Item Code: T - 2643 Barnacles</b>			
Checked: Eng EX		Approved: EE(TSD)	
Date:	12.02.18	Scale:	not to scale