

### Quadruplex Cable AWG 1/0 (Shetland)

#### Phase Cores

1	Material	→	Aluminium 1350 (H19)
2	Conductor Size	→	1/0 awg
3	Nominal Area	→	53.5 mm
4	Number of Aluminium Wire	→	19
5	Shape of the Conductor	→	Stranded Compressed
6	Compressed Diameter (Nominal)	→	9.5 mm
7	Rated Strength Min	→	8.84 kN
8	Lay Direction	→	Z Right Hand
9	Phase Core Lay Factor - 6 Wire	Min	→ 8
		Max	→ 16
	Phase Core Lay Facotr - 12 Wire	Min	→ 8
		Max	→ 16
10	Calculated DC Resistance at 20°C	→	0.538 Ω/km
11	Insulation Material	→	XLPE
12	Insulation Colour	→	Black
13	Insulation Thickness	avg	→ 1.7 mm
		Min	→ 1.6 mm
14	Core Identification	Phase 1	→ Plain
		Phase 2	→ 1 Ridge
		Phase 3	→ 2 Ridge

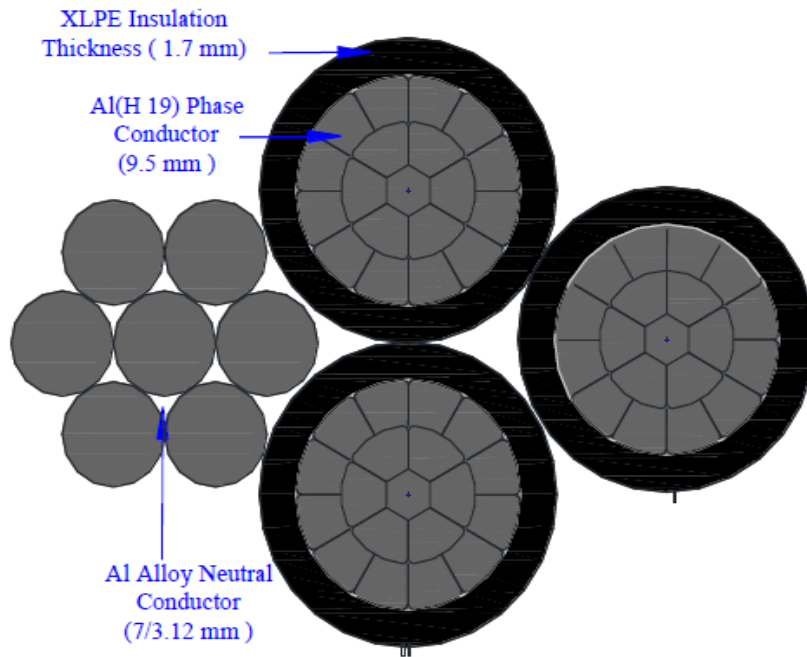
#### Neutral Core

15	Material	→	Aluminium Alloy 6201
16	Conductor Size	→	1/0 awg
17	Nominal Area	→	53.5 mm <sup>2</sup>
18	Construction	→	7/3.12 mm
19	Shape of Conductor	→	Circular Stranded
20	Rated Streth Min	→	16.35 kN
21	Lay Direction	→	Z Right Hand
22	Neutral Core Lay Factor	Min	→ 10
		Max	→ 16
23	Calculated DC Resistance at 20°C	→	0.622 Ω/km
24	Core Identification	→	Bare

#### Complete Cable

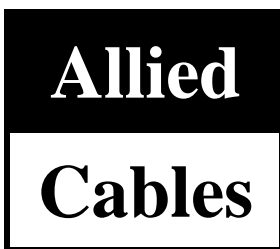
25	Maximum Lay Pitch	→	90 cm
26	Lay Direction	→	Z Right Hand
27	Marking to be Engraved	→	Manufacturers name at 1m interval

Reference Standards: ASTM B231-90, ASTM 230, Customer Specification, NFC 33-209, ASTM B 901



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all dimensions are in mm



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**AL/XLPE Quadruplex Cable 1/0 AWG**

**Item Code: T - 3127 Shetland**

Checked: Eng EX

Approved: EE(TSD)

Date:

22.06.16

Scale:

not to scale