

GAMMARUS AL/XLPE TRIPLEX CABLE 1/0 AWG

1 General

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|---------------------------------|---|---|
| i) Manufacturers name & address | → | Allied Cables Ltd |
| ii) Conductor Type | → | Aluminium Triplex |
| iii) Standards Applicable | → | ASTM B231-90, ASTM 230, NFC 33-209, ASTM B901 |

2 Phase Cores

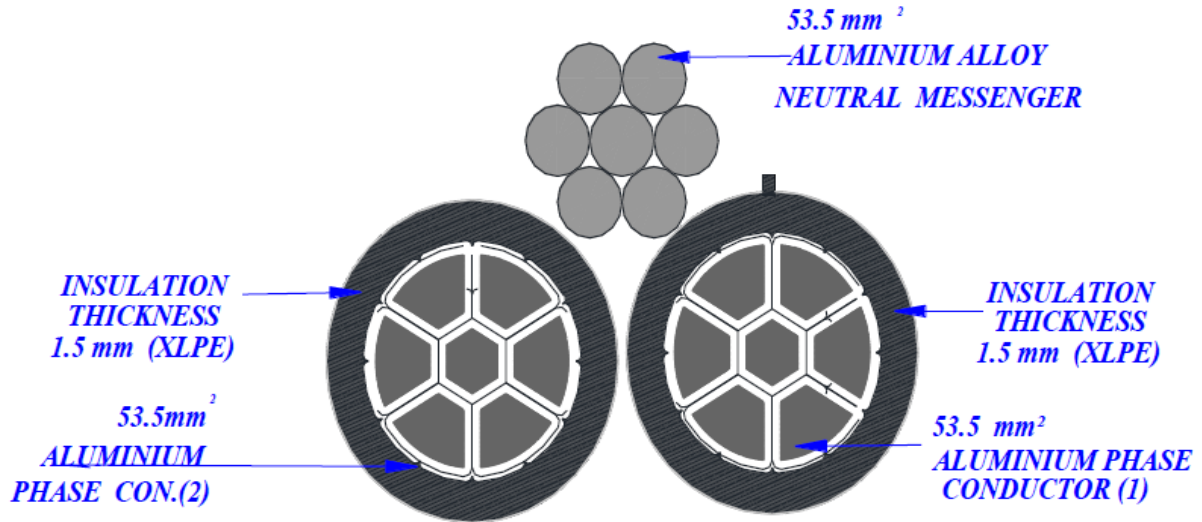
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|--------------------------------------|---------|---------------------|---------------------|
| i) Material | → | Aluminium | 1350 (H19) |
| ii) Conductor Size | → | 1/0 | AWG |
| iii) Nominal Area | → | 53.5 | mm ² |
| iv) Number of Aluminium Wires | → | 7 | |
| v) Shape of Conductor | → | Stranded Compressed | |
| vi) Compressed Diameter | Nominal | → | 9.1 mm ² |
| vii) Rated Strength | Min | → | 8.84 kN |
| viii) Lay Direction | | → | Z Right Hand |
| ix) Phase Core Lay Factor - 6 Wire | Min | → | 8 |
| | Max | → | 16 |
| x) Phase Core Lay Factor | Min | → | 8 |
| | Max | → | 16 |
| xi) Calculated DC resistance at 20°C | Max | → | 0.538 Ω/km |
| xii) Insulation Material | | → | XLPE |
| xiii) Insulation Colour | | → | Black |
| xiv) Insulation Thickness | Avg | → | 1.5 mm |
| xv) Insulation Thickness | Min | → | 1.4 mm |
| xvi) Core Identification | Phase 1 | → | Plain |
| | Phase 2 | → | 1 Ridge |

3 Neutral Core

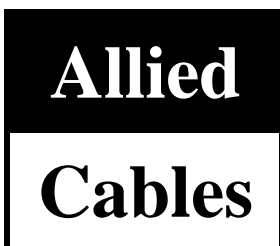
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|--------------------------------------|-----|------------------------|--------------|
| i) Material | → | Aluminium Alloy - 6201 | |
| ii) Conductor Size | → | 1/0 AWG | |
| iii) Nominal Area | → | 53.5 mm ² | |
| iv) Construction | → | 7/3.12 mm ² | |
| v) Shape of Conductor | → | Circular Stranded | |
| vi) Rated Strength | Min | → | 16.35 kN |
| vii) Lay Direction | | → | Z Right Hand |
| viii) Neutral Core Lay Factor | Min | → | 10 |
| | Max | → | 16 |
| ix) Calculated DC resistance at 20°C | Max | → | 0.622 Ω/km |
| x) Core Identification | | → | Bare |

4 Complete Cable

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|-----------------------------|---|-----------------------------------|
| i) Maximum Lay Pitch | → | 90 cm |
| ii) Lay Direction | → | Z Right Hand |
| iii) Marking to be Engraved | → | Manufacturers Name at 1m Interval |



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Technical Services Department
ACL



Allied Cables Ltd		Allied Works, Liverpool Road, Warrington, Cheshire WA5 1AP	
2 x 53.5mm AL/XLPE + 1 x 53.5mm AL Alloy Triplex Aerial Bundle Cable - GAMMARUS			
Item Code: T - 3128			
Checked: Eng.Ex		Approved: EE (TSD)	
Date:	08.03.2017	Scale:	not to scale