

# Schedule of Technical Particulars for AAC TULIP

Item code <b>G -396</b>
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## 1 GENERAL

- |                                  |   |                   |
|----------------------------------|---|-------------------|
| i ) Manufacturers name & address | → |                   |
| ii ) Conductor type              | → | AAC - TULIP       |
| iii ) Standards Applicable       | → | ASTM B 231 ,B 230 |

## 2 ALUMINIUM WIRE (1350 - H 19)

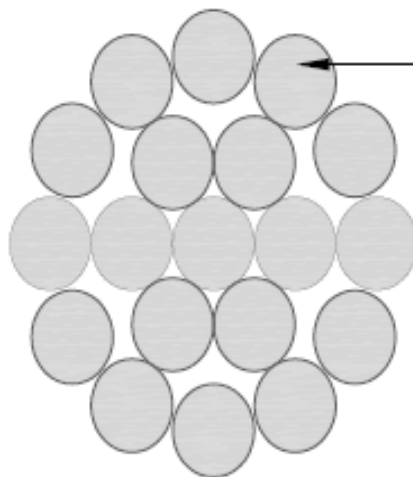
- |   |      |                       |                   |
|---|------|-----------------------|-------------------|
| i ) Diameter  | →    | 3.38                  | mm                |
| ii ) Density  | →    | 2700                  | kg/m <sup>3</sup> |
| iii ) Resistivity at 20 <sup>0</sup> C(individual test) | Max. | →                     | 0.028265 μΩ.m     |
| iv ) Breaking strength                                  | Min  | →                     | 1.55 kN           |
| v ) Coefficient of liner expansion                      | →    | 23 x 10 <sup>-6</sup> | / <sup>0</sup> C  |

## 3 AAC CONDUCTOR

- |   |               |                       |                  |    |
|---|---------------|-----------------------|------------------|----|
| i ) Aluminium wires                                 | →             | 19                    |                  |    |
| ii ) Overall diameter                               | →             | 16.90                 | mm               |    |
| iii ) Nominal Area                                  | →             | 170.5                 | mm <sup>2</sup>  |    |
| iv ) Lay ratio for core (6 wire layer)              | Max.          | →                     | 16               |    |
|   | Min           | →                     | 10               |    |
|   | 12 wire layer | Max.                  | →                | 16 |
|   | Min           | →                     | 10               |    |
| v) Lay direction                                    | →             | Right Hand            |                  |    |
| vi ) Breaking strength                              | →             | 27.3                  | kN               |    |
| vii ) Calculated Dc resistance at 20 <sup>0</sup> C | Max           | →                     | 0.1686 Ω/km      |    |
| ix ) Coefficient of linear expansion                | →             | 23 x 10 <sup>-6</sup> | / <sup>0</sup> C |    |
| x ) Approximate Mass                                | →             | 469                   | kg/km            |    |

# ALLIED CABLES LTD

ACL(C) : QF:02:06:04



19 / 3.38 mm  
Aluminium  
H-19 Conductor

*All dimensions are in mm*

**Allied  
Cables**

19/3.38mm AAC(H 19)- TULIP			
ITEM CODE : G -396			
CHECKED :	Eng.Ex.	APPROVED :	EE(TSD)
DATE :	23-May-14	SCALE :	not to scale