

Allied Export

Please find below a selection of our fast moving products, for full product list and further information please get in touch with us on +44 (0)1925 232662 or email us at mail@alliedexport.co.uk

All Aluminium Alloy Conductor - AAAC (Ash) - 19/3.48mm**1 General**

i) Manufacturers name & address	→	Allied Cables Ltd
ii) Conductor Type	→	AAAC - Ash
iii) Standards Applicable	→	BSEN 50182 : 2001

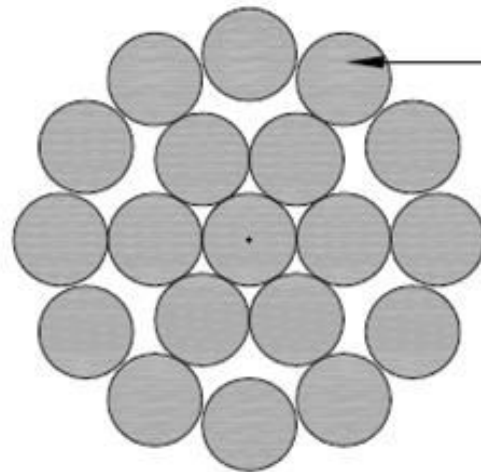
2 Aluminium Alloy Wire (6201A)

i) Diameter	→	3.48	mm
ii) Density	→	2700	kg/m ³
iii) Resistivity at 20°C	→	0.0328	μΩ.m
iiii) Coefficient of liner expansion	→	23 x 10	/°C

3 AAAC Conductor

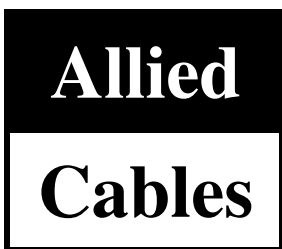
i) Aluminium Wires	→	19	
ii) Overall diameter	→	17.40	mm ²
iii) Nominal Aluminium Alloy Area	→	180.72	mm ²
iv) Lay ratio for core (6 wire layer)	Max	→	16
	Min	→	10
Lay ratio for core (12 wire layer)	Max	→	14
	Min	→	10
v) Calculated Breaking Load	→	53.31	kN
vi) DC resistance at 20°C	→	0.183	Ω/km
vii) Final Calculated Modules of elasticity	→	56	Gpa
viii) Coefficient of linear expansion	→	23 x 10	/°C
ix) Approximate Mass	→	496	kg/km

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Electrical Engineer
Technical Services Department
ACL Cables Ltd



**19 / 3.48 mm
Aluminium Alloy
Conductor**

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19/3.48 AAAC ASH CONDUCTOR

Item Code: G - 34

Checked: Eng EX

Approved: EE(TSD)

Date:

18-Apr-12

Scale:

not to scale