

# Cu Aerial - Hard Drawn (Bare)

Cu Bare Aerial - Hard Drawn 16mm<sup>2</sup>

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

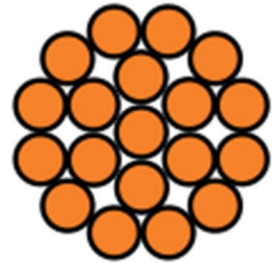
**Nexans Ref.:** ACUT15AA001AAAA

**Country Ref.:** 5513

Copper conductor. Made to AS 1746.

## DESCRIPTION

The HDCu aerial has lower elongation and increased tensile rating compared to annealed copper conductors.



## STANDARDS

**National AS 1746**

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## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
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### Dimensional characteristics

Conductor cross-section	16 mm <sup>2</sup>
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Stranding (No./mm)	7/1.70
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Nominal overall diameter	5.1 mm
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Approximate weight	0.14 kg/m
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### Mechanical characteristics

Minimum breaking load	6.5 kN
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## NOTE

1. Coefficient of linear expansion  $17.0 \times 10^{-6}/^{\circ}\text{C}$ .
2. Modulus of elasticity:
  - a. 119 GPa for seven (7) wire conductors.
  - b. 118 GPa nineteen (19) wire conductors.
  - b. 117 GPa for thirtyseven (37) wire conductors.

Current ratings are based on ambient temperature of 30°C, a maximum conductor temperature of 75°C, rural weathered, summer noon and intensity of solar radiation 1000 W/m<sup>2</sup>.