

Cu Aerial - Hard Drawn (Bare)

Cu Bare Aerial - Hard Drawn 16mm²



Copper conductor. Made to AS 1746.

STANDARDS

Product AS 1746

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

Nexans
Ref.: ACUT15AA001AAAA
Country Ref.: 5513
EAN 13: 99319215003732

CONTACT

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CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Conductor flexibility	Stranded
Conductor shape	Circular
Number of conductors	1

Dimensional characteristics

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

Electrical characteristics

Rated Voltage U ₀ /U (Um)	-
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Mechanical characteristics

Minimum breaking load	6.5 kN
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NOTE

- Coefficient of linear expansion $17.0 \times 10^{-6}/^{\circ}\text{C}$.
- Modulus of elasticity:
 - 119 GPa for seven (7) wire conductors.
 - 118 GPa nineteen (19) wire conductors.
 - 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/m².