

Cu Aerial - Hard Drawn (Bare)

Cu Bare Aerial - Hard Drawn 35mm²



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.: ACUT18AA001AAAA
Country Ref.: 9778
EAN 13: 99319215003763

CONTACT

Sales and Customer Solutions
Phone: 0800 639 267
sales.nz@nexans.com

CHARACTERISTICS

Construction characteristics

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

Dimensional characteristics

Conductor cross-section	35 mm ²
Stranding (No./mm)	19/1.53
Nominal overall diameter	7.7 mm
Approximate weight	0.31 kg/m

Electrical characteristics

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

Mechanical characteristics

Minimum breaking load	14.1 kN
-----------------------	---------

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/m².