Cu Aerial - Hard Drawn (Bare)

Cu Bare Aerial - Hard Drawn 16mm2

Sales and Customer Solutions sales.nz@nexans.com

Nexans Ref.: ACUT15AA001AAAA

Country Ref.: 5513

Copper conductor. Made to AS 1746.

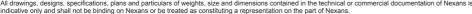
DESCRIPTION

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
Dimensional characteristics	
Conductor cross-section	16 mm²
Stranding (No./mm)	7/1.70
Nominal overall diameter	5.1 mm
Approximate weight	0.14 kg/m
Mechanical characteristics	
Minimum breaking load	6.5 kN

NOTE

- Coefficient of linear expansion 17.0 x 10⁻⁶/°C.
- 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.

