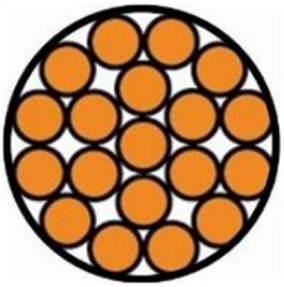
Cu Aerial - Hard Drawn (Covered)

Cu Covered Aerial - Hard Drawn 95mm2

Contact
Sales and Customer Solutions
sales.nz@nexans.com

Nexans Ref.: BAAT22AA001AABK
Country Ref.: 1695

Hard Drawn Copper conductor, PVC Cover. Made to AS/NZS 5000.1.



DESCRIPTION

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

The PVC covering contains a high level of carbon black for UV resistance. The covering is not considered as an electrical insulation.

This type of aerial cable is designed for harsh environments such as coastal areas; the conductor is protected by the PVC covering to reduce the risk of aluminium corrosion.

STANDARDS

National AS/NZS 5000.1

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CHARACTERISTICS

Construction characteristics	
Conductor material	Copper
Insulation	PVC
Dimensional characteristics	
Conductor cross-section	95 mm²
Stranding (No./mm)	37/1.83
Nominal insulation thickness	1.6 mm
Nominal overall diameter	16.2 mm
Approximate weight	1.01 kg/m
Conductor diameter	12.8 mm
Mechanical characteristics	
Minimum breaking load	32.8 kN
Usage characteristics	
Maximum operating temperature	75 °C

NOTE

1. Coefficient of linear expansion 17.0 x 10^{-6}/°C.
2. Modulus of elasticity:
   112 GPa for seven (7) wire conductors.
   110 GPa for nineteen (19) wire conductors.
   108 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.