

AAC Aerial Conductors (Bare)

Kutu 7_3.00

Contact

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Nexans Ref.: Kutu 7_3.00

Country Ref.: 9656

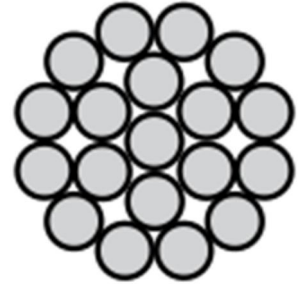
Bare aluminium conductor. Made to AS 1531.

DESCRIPTION

Application

AAC - All Aluminium Conductor

AAC aerial conductor is made of aluminium 1350. It is designed for short & medium spans with a high conductivity.



STANDARDS

National AS 1531

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CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
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Dimensional characteristics

Conductor cross-section	49.5 mm ²
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Stranding (No./mm)	7/3.00
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Nominal overall diameter	9.0 mm
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Approximate weight	0.14 kg/m
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Mechanical characteristics

Minimum breaking load	7.98 kN
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NOTE

1. Coefficient of linear expansion $23.0 \times 10^{-6}/^{\circ}\text{C}$.
2. Modulus of elasticity:
 - a. 65 GPa for seven (7) and nineteen (19) wire conductors.
 - b. 64 GPa for thirtyseven (37) wire conductors.

Current ratings are based in an ambient temperature of 30°C, a maximum conductor temperature of 75°C, rural weathered, summer noon and intensity of solar radiation 1000 W/m².