

AAC Aerial Conductors (Covered)

Namu CVD 7_2.11

Contact

Sales and Customer Solutions
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Nexans Ref.: BAAB53AA001CXAA

Country Ref.: 4373

Aluminium conductor, PVC cover. Made to AS/NZS 5000.1

DESCRIPTION

Application

AAC - All Aluminium Conductor

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

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 1531; AS/
NZS 5000.1

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CHARACTERISTICS

Construction characteristics

Conductor material	Aluminum
Insulation	PVC

Dimensional characteristics

Conductor cross-section	24.5 mm ²
Stranding (No./mm)	7/2.11
Insulation sheath thickness	1.2 mm
Nominal overall diameter	8.9 mm
Approximate weight	0.12 kg/m

Mechanical characteristics

Minimum breaking load	4.07 kN
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Usage characteristics

Maximum operating temperature	75 °C
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NOTE

1. Coefficient of linear expansion $23.0 \times 10^{-6}/^{\circ}\text{C}$.
 - a. Modulus of elasticity 65 GPa

Current ratings are based on 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.