AAC Aerial Conductors (Covered)

Kutu CVD 7_3.00

Contact
Sales and Customer Solutions
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Nexans Ref.: BAAB32AA001CXAA
Country Ref.: 3416

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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics	
Conductor material	Aluminum
Insulation	PVC
Dimensional characteristics	
Conductor cross-section	49.5 mm²
Stranding (No./mm)	7/3.00
Insulation sheath thickness	1.4 mm
Nominal overall diameter	12.0 mm
Approximate weight	0.22 kg/m
Mechanical characteristics	
Minimum breaking load	7.98 kN
Usage characteristics	
Maximum operating temperature	75 °C

NOTE

1. Coefficient of linear expansion 23.0 x 10^{-6}/°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.

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