Cu Aerial - Neutral Screen

Cu Aerial - Neutral Screen 3 x 16mm2

Contact General Sales inquiries Phone: 0508 NEXANS sales.nz@nexans.com

Nexans ref.: <u>FAGT15AA003CXRJ</u> Country ref.: 6234

Hard drawn copper conductor, PVC insulation, Copper Neutral Screen, PVC Sheath. Made to ASNZS 4961.

DESCRIPTION

Can be used for aerial reticulation to residential and rural areas where reliability, safety and low installation costs are required.

It is also designed for residential and rural areas for reducing the bushfire hazards.

The covering contains a high level of carbon black for UV resistance.

It is designed for where reliability, safety and low installation costs are required, but it is only for short spans due to increased weight.



STANDARDS

National AS/NZS 4961

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. Generated 10/11/20 www.nexans.co.nz Page 1 / 3



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CHARACTERISTICS

Construction characteristics		
Pilot wires	None	
Conductor material	Copper	
Insulation	PVC	
Screen	Copper wire	
Outer sheath	PVC	
Dimensional characteristics		
Number of cores	3	
Conductor cross-section	16 mm²	
Nominal overall diameter	20.7 mm	
Approximate weight	0.87 kg/m	
Electrical characteristics		
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV	
Usage characteristics		
Maximum operating temperature	75 °C	

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ELECTRICAL PERFORMANCE DATA - SINGLE CORE (WITH OR WITHOUT PILOT)

Conductor Cross Section (mm ²)	Calculated DC Resistance at 20°C (0hm/km)	Maximum AC Resistance at 75°C (0hm/km)	Current Rating Still Air (Amps)	Current Rating 1 m/s (Amps)
6	3.17	3.86	34	57
16	1.18	1.44	59	103

ELECTRICAL PERFORMANCE DATA - TWO CORE (WITH OR WITHOUT PILOT)

Conductor	Calculated DC		Current Rating	Current Rating
Cross Section	Resistance at 20°C		Still Air	1 m/s
(mm ²)	(0hm/km)		(Amps)	(Amps)
16	1.18	1.44	54	97

ELECTRICAL PERFORMANCE DATA - THREE CORE (WITH OR WITHOUT PILOT)

Conductor Cross Section (mm ²)	Calculated DC Resistance at 20°C (0hm/km)	Maximum AC Resistance at 75°C (0hm/km)	Current Rating Still Air (Amps)	Current Rating 1 m/s (Amps)
6	3.17	3.86	30	55
10	1.88	2.29	41	74
16	1.18	1.44	54	97

NOTE

- 1. Content from AS/NZS 3008.1.2:2010 has been reproduced with the permission from Standards New Zealand under Copyright Licence 000926. Please see the Standard for full details.
- 2. Current ratings are based on an ambient temperature of 30°C, a maximum conductor temperature of 75°C, summer noon and intensity of solar radiation 1000 W/m².

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