

# Cu Aerial - Neutral Screen

Cu Aerial - Neutral Screen 3 x 16mm<sup>2</sup>

## Contact

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

Nexans ref.: FAGT15AA003CXRJ

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

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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 mm <sup>2</sup>
Nominal overall diameter	20.7 mm
Approximate weight	0.87 kg/m

### Electrical characteristics

Rated Voltage U <sub>o</sub> /U (Um)	0.6/ 1 (1.2) kV
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### Usage characteristics

Maximum operating temperature	75 °C
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## ELECTRICAL PERFORMANCE DATA - SINGLE CORE (WITH OR WITHOUT PILOT)

Conductor Cross Section (mm <sup>2</sup> )	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 Cross Section (mm <sup>2</sup> )	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)
16	1.18	1.44	54	97

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

Conductor Cross Section (mm <sup>2</sup> )	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/m<sup>2</sup>.