

COPPER CLAD (15%) ALUMINUM CONDUCTIVE WIRE

DATASHEET

Copper Clad (15%) Aluminum is a conductive wire with a 15% copper cladding over an aluminum core. Copper Clad Aluminium (CCA) offers the inherent characteristics of aluminum while the copper cladding provides greater conduction of current and the ease of soldering copper.

Copper Clad Aluminum (CCA) is used for electrical contact material and conductors.

CHEMICAL COMPOSITION

	Cu %	Al %
Nominal composition	15 (cladding)	99.3 (core)

MECHANICAL PROPERTIES

	Tensile strength R _m	
	MPa	ksi
Hard	207	30
Annealed	138	20

PHYSICAL PROPERTIES

Density g/cm ³ (lb/in ³)	3.63 (.131)
Electrical resistivity at 20°C Ωmm ² /m (Ω/cmf)	0.026 (15.50)
DC Conductivity vs Copper %	67

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