

COPPER CLAD (10%) ALUMINUM CONDUCTIVE WIRE

DATASHEET

Copper Clad (10%) Aluminum is a conductive wire with a 10% 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	193	28
Annealed	110	16

PHYSICAL PROPERTIES

Density g/cm ³ (lb/in ³)	3.32 (.120)
Electrical resistivity at 20°C Ωmm ² /m (Ω/cmf)	0.026 (15.90)
DC Conductivity vs Copper %	65

Disclaimer: Recommendations are for guidance only, and the suitability of a material for a specific application can be confirmed only when we know the actual service conditions. Continuous development may necessitate changes in technical data without notice. This datasheet is only valid for materials under the trademark Kanthal®.