

1350 ALUMINUM CONDUCTIVE WIRE

DATASHEET

1350 Aluminum has a purity of 99-99.5%. 1350 Al is widely used for disk drive coils, development of tethers with heat-resistant enamels and high-strength bond coatings.

CHEMICAL COMPOSITION

	Al %
Nominal composition	99.5

MECHANICAL PROPERTIES

Yield strength	Tensile strength	Elongation
R _{p0.2}	R _m	A
MPa (ksi)	MPa (ksi)	%
166 (24.1)	186 (27.1)	1.2

PHYSICAL PROPERTIES

TEMPERATURE COEFFICIENT OF RESISTIVITY

Temperature °C (°F)	20-100 (68-212)
Temperature coefficient of resistance K ⁻¹	±0.00408

Density g/cm ³ (lb/in ³)	2.703 (0.097)
Electrical resistivity at 20°C Ωmm ² /m (Ω/cmf)	0.028 (16.78)
DC Conductivity vs Copper %	61.8

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®.