



HSM Wire International, Inc

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Alloy 754 - CUNi15Zn20 Nickel Silver Alloy

Chemical Composition

Nominal Composition:	Cu%	Ni%	Mn%	Fe%	Pb%	Zn%
	63 - 66.5%	14 - 16%	.050% max	.25% max	.05% max	Balance

Applications: Musical Instrument Parts & Components, Optical Instrument Components, Radio Dials, Name Plates, Hollow Ware, Costume Jewelry, Camera Parts, Bows, Table Flat Ware, Zippers.

Physical Properties

Thermal Conductivity:	19 Btu · ft/(hr · ft ² · °F) @ 68 °F
Coefficient of Linear Expansion (X 10 ⁻⁶ in/in °C) °C:	16.20 (20-300°C)
Density (lb / cu. in.)	0.314
Modulus of Elasticity in tension	18,000 Ksi
Electrical Conductivity (% IACS)	6% @ 68 °F
Electrical Resistivity (microhm-cm(@ 68 °F))	148
Melting Point (°F)	1900
Specific Gravity	8.70 g/cu cm

*To be used as a guideline only.

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