Connectors Springs

YCuT-T

C19900 (CDA)

1/4H H EH

Heat treatment required for hardening.

Main application

Connectors, Springs

Characteristics

- Very little distortion during heat treatment.
- Comparable to beryllium copper alloy in strength after heat treatment.
- Excellent properties of resistance against fatigue, heat, corrosion, and wear.

Physical Properties *

Density at 20℃	g/cm^3	8.68
Modulus of Elasticity	kN/mm^2	108(EHT)
Modulus of Rigidity	kN/mm^2	47(EHT)
Poisson's Ratio	-	0.33
Electrical Resistivity	$\mu\Omega \cdot m$	0.18(EHT)
Thermal Conductivity at 20℃	$W/(m \cdot K)$	40(EHT)
Coefficient of Thermal Expansion at 20℃ -200℃	$\times 10^{-6}$℃	17.6
Melting Point Solidus	℃	980
Melting Point Liquidus	℃	1075
Magnetic Properties		Non Magnetic
Specific Heat	$J/(kg \cdot K)$	400

*Standard value only.