



C360 Free Cutting Brass Alloy Wire

Alloy C360 is a leaded free cutting brass with machinability rating of 100. It is used where good machinability is required. Otherwise, the alloy has similar attributes to C260.

Mechanical Properties				
Round Wire				
TEMPER NAME	TEMPER CODE	TENSILE STRENGTH (ksi)		MILL LIMITS
		MIN	MAX	
Annealed	O6O	48	54	.0010 - .1285 inch
1/2 Hard	H02	76	91	
Hard	H04	98	113	
Square Wire				
TEMPER NAME	TEMPER CODE	TENSILE STRENGTH (ksi)		MILL LIMITS
		MIN	MAX	
Annealed	O6O	48	54	.0100 - .0808 inch
1/2 Hard	H02	76	91	
Hard	H04	98	113	
Rolled Flat				
TEMPER NAME	TEMPER CODE	TENSILE STRENGTH (ksi)		MILL LIMITS
		MIN	MAX	
Annealed	O6O	44	54	Thickness: .0100 - .0500 inch Width: .0150 - .2500 inch
1/2 Hard	H02	55	65	
Hard	H04	68	78	
Physical Properties				
Melting Point (Liquidus)		1650°F		
Melting Point (Solidus)		1630°F		
Density		0.307 lbs/cu in		
Electrical Resistivity (Annealed)		39.9 ?(cir mil/ft) @ 68°F		
Electrical Conductivity (Annealed)		26% IACS @ 68°F		
Thermal Conductivity (Solutionized-Aged)		67 Btu ft/sq ft hr °F @ 68°F		
Coefficient of Thermal Expansion		0.0000114°F (68-572°F)		
Modulus of Elasticity (Tension)		14000 ksi		
Modulus of Rigidity		5300 ksi		

Custom constructions are available, please contact the sales department

The information provided on this page is for reference purposes only.

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