

HM Wire International, Inc.

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REQUEST
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QUOTATION

Alloy 226 - Jewelry Bronze

Description: Alloy 226 is referred as Jewelry Bronze because of its rich color. It possesses a resistance to dezincification and to corrosion and stress cracking, ideal for all weather uses.

Applications: Jewelry, slide fasteners, zippers, and fasteners of electrical installation.

Nominal Composition:	Cu%	Zn%
	87.5%	12.5%

Physical Properties

Melting Point Liquidus	1035°C / 1895°F
Melting Point Solidus	1005°C / 1840°F
Density	0.317 lb/cu in @ 68°F
Thermal Conductivity	100 BTU ft/sq ft-hr-°F @ 68°F
Coefficient of Thermal Expansion	0.0000103 per °F (68 - 572°F)
Modulus of Rigidity	6,400 ksi
Electrical Conductivity, Annealed	40% I.A.C.S
Modulus of Elasticity (Tension)	17,000 ksi

Mechanical Properties - 0.080" diameter wire

Hardness	Tensile Strength psi	Yield Strength (0.5% EUL) psi	% Elongation in 2"
OS 050	40,000	--	44
OS 035	41,000	18,000	42
OS 025	43,000	--	40
OS 015	45,000	18,000	38
1/8 Hard	47,000	--	26
1/4 Hard	56,000	--	12
1/2 Hard	68,000	--	7
Hard	83,000	--	5
Spring	97,000	--	3

*To be used as a guideline only.

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