



PO Box 1188, 1 Klein Street, Oil City, PA 16301-0688
 Telephone: 800-327-6533 Fax: 814-676-5565
 Website: www.kappalloy.com, email: jack@kappalloy.com

KappZapp7R™

Description

KappZapp7R™ Tin-Silver solder is the audio industry standard for Lead-Free electrical/electronic Copper applications. The center of the solder contains a natural rosin flux, eliminating the need for externally applied flux to remove the oxide coating and form a strong bond with the metals used. The 7% Silver content makes this solder excellent for applications requiring a higher temperature range and/or higher Silver content for superior strength, pressure, tolerance, and vibration resistance. **KappZapp7R™** creates extremely clean conductive joints that offer higher strength, ductility, and corrosion resistance. It is NSF Certified Lead-free.



Certified to
NSF/ANSI 61 & 372

NSF International certifies that this product complies with NSF/ANSI Standard 372: Drinking Water System Components – Lead Content. Product also Certified to NSF/ANSI 61, Annex G and conforms with Lead content requirements for “Lead-free” plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act in effect as of January 4, 2014. Weighted average lead content < 0.25%; Solder and flux lead content < 0.20%. This alloy complies with the European RoHS and REACH directives. No lead, cadmium or mercury used in production.

Applications

- Electrical/electronic Copper to Copper applications
- Car and home audio and home theater applications
- Preferred choice when higher strength, vibration resistance, and conductivity are required
- Paired with [Kapp CopperBond™ Flux](#) when additional flux is necessary.

Properties

Composition	
Sn (Tin):	93%
Ag (Silver):	7%
Technical Data	
Melting Range:	430-570°F (221-299°C)
Tensile Strength (Copper):	15,500 psi
Tensile Strength (Stainless):	31,000 psi
Shear Strength:	14,000 psi
Elongation:	49%
Electrical Conductivity:	20.1%

Product Variants

*Available in standard forms: 1/32” (0.031”) (0.8mm), 1/16” (0.063”) (1.6mm), 1/8” (0.125”) (3.2mm). Custom alloys and forms are our specialty. Call Kapp Alloy to discuss what size and diameter are right for you.

Matching Kapp CopperBond™ Flux

For most alloys and projects, no additional flux is required when working with KappZapp7R™ rosin-cored solder. Some highly polished Stainless Steel alloys contain more Chromium and Nickel. These parts may require extra effort to remove the oxide layer by sanding, scratching with a Stainless Steel brush or emory paper, and by the addition of [Kapp CopperBond™ Flux](#).