



## KappEE™

### Description

**KappEE™** Tin-Lead-Silver formula is a very cost-effective eutectic electrical/electronic solder where Lead is permissible. The Silver content increases strength and vibration resistance of the joint in higher stress applications. **KappEE's** lower application temperature (354°F/179°C) uses less energy and requires less time and post-production cleanup, often requiring only inspection. It also eliminates the effects of high heat used in higher temperature brazing – avoiding electronic material degradation, base metal deformation, discoloration, segregation, annealment, and heat related oxide-scale formation.

**KappEE™** is available in both solid wire and as a rosin-core solder for extremely fast electrical/electronic soldering. **KappEER™** contains a natural mild rosin core for use on delicate electronic joints. The flux residue can be removed with warm water and a clean rag.

**Kapp EE™** meets specification ASTM B32, Grade Sn62, QQS571.

### Benefits & Features

- Low melting temperature (355°F/179°C) means less chance of heat damage to surrounding parts and circuit boards
- Instant setting helps reduce cold solder joints
- Silver content provides high conductivity
- Excellent tensile and shear strength, up to 25% stronger than 60Tin/40Lead solder
- KappEER's non-corrosive, non-charring rosin flux core cleans like an acid flux but does not damage delicate printed circuit board traces

### Applications

- High vibration electrical connections
- Sensitive electronic components and circuit chips
- Battery cables and terminals
- Large terminal lugs
- Hard-to-solder materials
- **This alloy is NOT recommended for food or potable water applications. Please see [KappFree™](#), [KappZapp™](#), and/or [KappAloy™](#) for Food Safe and Potable Water Applications.**

### Properties

Technical Data	
Melting Range:	Eutectic @ 354°F (179°C)
Tensile Strength:	21,000 psi
Shear Strength:	10,000 psi
Elongation:	2%
Electrical Conductivity:	12.2 (%IACS)

Composition	
Sn (Tin):	62%
Pb (Lead):	36%
Ag (Silver):	2%

### 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.