



## Sil Sol - 0% Phos-Copper Brazing Rod

### Description

**Sil Sol Premium 0% Phos-Copper** was designed for brazing copper to copper connections. This alloy flows quickly at brazing temperature so requires close joint tolerance, less than 0.005". is a frequent choice for copper brazing. Generally similar to the copper base metal, but phosphorus containing alloys, should not be used if the braze is exposed to sulfur or sulfur compounds in service.

### Applications

- The self fluxing property of this filler metal is effective on copper only.
- Copper-base alloys, such as brass or bronze, the joints should be fluxed.

NOTE:

- Is not recommended for brazing steel or other ferrous base metals. The phosphorus content will form a low ductility inter metallic with the base metal.
- is also a suitable choice for brazing brass. In this application operators should take care to avoid over heating the brass.
- This alloy flows quickly at brazing temperature so requires close joint tolerance, less than 0.005". is a frequent choice for copper brazing

### Properties

Composition	
	50-<100%
	5-<10%

Technical Data	Technical Data
Appearance:	Copper
Solidus:	1310°F (710°C)
Liquidus:	1460°F (793°C)
Recommended Brazing Temperature	1345°F- 1500°F (730°C -816°C)
Density (Lbs/in <sup>3</sup> )	0.3
Electrical Conductivity (%IACS)	9.9 (%IACS)
Electrical Resistivity (Microhm-cm)	19.2
Shelf Life:	Lifetime
Packaging:	Plastic Tube

### Product Variants

18" Rods (Round)

- SW-SS0028R - 28 Rod Pack
- SW-SS0003S - 3 Rod Pack