



Ag

Fine Silver and Silver Alloys

SCOPE: Silver, fine-grained silver and silver-copper which has been produced by melting-metallurgical methods.

- » Ag (fine silver, silver content > 99.9 %)
- » AgNi0.15 (fine-grain silver, Fg-Ag)
- » AgCu3 ...10 (hard silver)

Key Features

Ag

- » Highest electrical and thermal conductivity
- » Oxidation-resistant, lower contact resistance
- » Low weld-on-make resistance
- » Tendency for material migration in direct current applications

AgNi0.15 (fine-grained silver) and

AgCu (hard silver, similar to Ag)

- » Higher wear resistance than Ag
- » resistance to welding higher than Ag but lower than AgNi
- » AgCu has a higher contact resistance than AgNi0.15, (increases with Cu content)
- » Very good ductility and brazing/welding properties

Applications

Switching currents up to 10 A

- » Relays
- » Switches for household appliances
- » Light and main switches
- » Auxiliary power switches

Delivery form

- » Wire
- » Profile
- » Contact tip

Metal Solutions for Power, Safety &
Performance