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