FUDAR

Ag FAg				
Overview	Ag and FAg has excellent electrical and thermal conductivity, low and stable contact resistance, welding and processing performance. FAg due to the addition of a small amount of Ni in the Ag, greatly refined material grain, in the contact resistance is almost the same conditions, its mechanical strength and temperature resistance are higher than Ag. Therefore, anti-melting welding and arc burn resistance is better than Ag.			
Application	Widely used in small-volume low-voltage appliances, such as: relays, timers, auxiliary switches, control switches and so on.			
Material Properties				
	Ag		FAg	
	Tips	Wires	Tips	Wires
Ag Content (wt%)	≥99.99	≥99.99	99.85±0.05	99.85
Density (g/cm³)	≥10.48	≥10.48	≥10.40	≥10.40
Elec.Resistivity (μΩ·cm)	≤2.10	≤1.90	≤2.10	≤1.95
Hardness HV	≥40	≥40	≥45	≥45
Tensile Strength (MPa)		≥145		≥160
Elongation (%)		≥2	—	≥2
Manufacturing Process	Extruding-Rolling	Extruding -Drawing	Extruding-Rolling	Extruding -Drawing

Product Types		
	Ag	FAg
Wires	√	√
Strips	√	√
Tips	√	√
Bimetal Strips	√	√
Rivets	√	√