



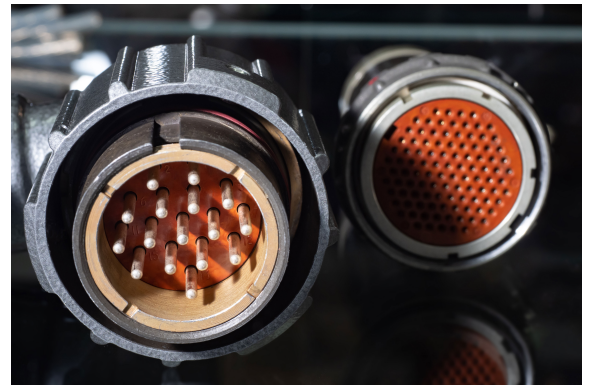
ARGUNA® 635 Hard Silver Electrolyte

For brilliant coatings

The silver electrolyte ARGUNA® 635 is used for the deposition of bright silver coatings for technical and decorative applications. Despite a low alloy content, a high hardness of up to 150 HV is possible and the coatings can be classified according to ASTM B700 type 2.

Compared to fine silver, the electrolyte impresses with improved abrasion behavior and increased vibration resistance. Depending on the working parameters, the electrolyte is suitable for continuous, rack and barrel processing. It can also be used to deposit thick coatings with a glossy finish.

The coatings have very good electrical properties and a permanently high coating hardness.



Electrolyte characteristics

Electrolyte type	Alkaline-cyanide
Metal content	40 g/l Ag, 50 g/l KCN
pH value	>13
Operating temperature	20 - 25 °C
Current density range: Rack operation	0.5 - 5 A/dm ²
Current density range: Barrel operation	0.5 - 2 A/dm ²
Plating speed	1 µm in 1.5 min at 1 A/dm ²

Coating characteristics

Coating	Hard silver
Alloy composition	approx. 99 wt.% Ag
Colour of deposit	white

Brightness	Bright, brilliant
Hardness of deposit	Directly after plating: approx. 170 - 190 HV, After heat treatment: approx. 130 - 150 HV
Max. coating thickness	> 50 µm
Density of the coating	10.5 g/cm ³

Advantages

- Very good electrical properties
- Permanent high hardness
- Improved abrasion behavior
- Suitable for rack and barrel products

Applications

- Connectors
- Electrical contacts
- Stressed silver surfaces

Your contact person



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