

AgFe

SILVER IRON GROUP MATERIALS



/ SILVER IRON GROUP MATERIALS (AgFe)

Scope: This information refers to silver iron based wires, profiles and contact tips produced by powder metallurgical method.

Applications

- Motor protection circuit breakers
- Wall installation switches, light switches

Delivery forms

- Wire
- strip
- profile
- contact tip
- Ag/Fe₂O₃/ZrO₂ with solderable Ag-layer, produced by hot cladding process, in general; optionally with brazing alloy in addition

Microstructure



Ag/Fe₂O₃/ZrO₂
Cross Section

Physical Properties

Material	Density	Electrical Conductivity	Hardness soft
	[g/cm ³]	[m/(Ω·mm ²)]	[HV0.1]
Ag/Fe ₂ O ₃ /ZrO ₂ 93,6/5,4/1	9.8	49	70
Ag(FeRe5)8.8	10.2	54	68



Ag(FeRe5)8.8
Cross Section