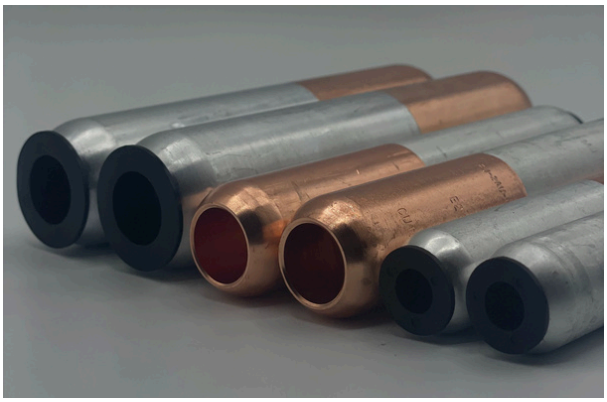
ALUMINIUM COPPER PIPE

DESCRIPTION

Aluminum-copper connectors provide a reliable connection between aluminum and copper conductors in medium-voltage (MV) electrical distribution networks.

They are used in single-core or three-core cable joints and are integrated into joint kits to ensure optimal compatibility and effective electrical conductivity.

These connectors ensure long-term reliability for MV joints by eliminating the risks of poor contacts or overheating, thereby guaranteeing the safety and efficiency of the electrical network.



SPECIFICATION

- Pre-insulated connectors for protected joints.
- Bare connectors for use in heat-shrink or cold-shrink joints.
- Markings on the connector body to facilitate precise and secure crimping.
- Reduces energy losses with low contact resistance.
- Complies with MV network specifications, capable of handling significant thermal and electrical loads.
- Robust design ensures durability in demanding environments.
- Suitable for humid or corrosive environments due to tin-plated treatment.
- Compatible with heat-shrinkable, tape-injected, or cold-shrink installation methods.

Reference	Code	Core cross-section (mm²)	Dimensions			
			L (mm)	d(mm)	D(mm)	d1 (mm)
CE-RJ1AU-70-35	040 048	AL70/CU35	106.5	11	20	8.5
CE-RJ2AU 150-150	040 049	AL150/CU150	133	15.5	25	16

MATERIAL

- High-conductivity aluminum alloy, designed to ensure optimal compatibility with aluminum conductors.
- Tin-plated electrolytic copper for excellent conductivity and enhanced corrosion resistance when connecting to copper conductors.
- Tin plating to minimize galvanic corrosion between aluminum and copper.