

Bimetallic Connector for Aluminum to Copper Cables

This bimetallic connector facilitates the transition between aluminum and copper cables in medium voltage systems. It features a friction-welded design and prefilled jointing compound to prevent galvanic corrosion.



Product Overview

Bimetallic Transition Solutions

These RJ-XAU series bimetallic connectors are designed for the intermediate transition connection of aluminum or aluminum alloy cables to copper cables in medium voltage applications. Engineered to minimize the risk of galvanic corrosion, these connectors feature a friction-welded construction and an oil-blocking structure for superior electrical and mechanical reliability. Every unit is prefilled with a high-performance jointing compound to ensure optimal conductivity and longevity in demanding utility environments.

Technical Specifications

Connector Features

- Oil blocking structure
- Friction welded
- Prefilled with jointing compound

Material Standards	Al \geq 99.5%, Cu \geq 99.9%
Industry Standard	NF C 33-090

Dimensions and Compatibility

Type	Conductor Size (mm ²)	Dimensions				Pack(pcs)	Crimping Die	
		L(mm)	d(mm)	D(mm)	d1(mm)		Al(Indent)	Cu(Hex)
RJ-1AU-70-35	AL70/CU35	106.5	11	20	8.5	80x4	MJ 1E-1E	E173
RJ-1AU-95-50	AL95/CU50	106.5	12.5	20	9.5	80x4	MJ 1E-1E	E173
RJ-1AU-95-70	AL95/CU70	106.5	12.5	20	11	80x4	MJ 1E-1E	E173
RJ-2AU-120-70	AL120/CU70	133	13.7	25	11	30x4	MJ 2E-2E	E215
RJ-2AU-120-95	AL120/CU95	133	13.7	25	13	30x4	MJ 2E-2E	E215
RJ-2AU-150-95	AL150/CU95	133	15.5	25	13	30x4	MJ 2E-2E	E215
RJ-2AU-150-150	AL150/CU150	133	15.5	25	16	30x4	MJ 2E-2E	E215
RJ-4AU-185-120	AL185/CU120	143.5	17	32	14.2	20x4	MJ 4E-4E	-
RJ-4AU-240-150	AL240/CU150	143.5	19.5	32	16	20x4	MJ 4E-4E	-
RJ-4AU-240-185	AL240/CU185	143.5	19.5	32	18	20x4	MJ 4E-4E	-

Dimensional and compatibility chart for RJ-XAU bimetallic connector models.

Model Specifications

Type	Conductor Size (Al/Cu)	Length (mm)	d (mm)	D (mm)	d1 (mm)
RJ-1AU-70-35	AL70/CU35	106.5	11	20	8.5
RJ-1AU-95-50	AL95/CU50	106.5	12.5	20	9.5
RJ-1AU-95-70	AL95/CU70	106.5	12.5	20	11
RJ-2AU-120-70	AL120/CU70	133	13.7	25	11
RJ-2AU-120-95	AL120/CU95	133	13.7	25	13
RJ-2AU-150-95	AL150/CU95	133	15.5	25	13
RJ-2AU-150-150	AL150/CU150	133	15.5	25	16
RJ-4AU-185-120	AL185/CU120	143.5	17	32	14.2
RJ-4AU-240-150	AL240/CU150	143.5	19.5	32	16
RJ-4AU-240-185	AL240/CU185	143.5	19.5	32	18