

Bimetallic Parallel Groove Connector

These bimetallic parallel groove connectors facilitate the connection of aluminum and copper conductors. They are designed to prevent galvanic corrosion while ensuring a reliable electrical connection.



ADDITIONAL IMAGES



Product Overview

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The CAPG Series bimetallic parallel groove clamp is engineered for connecting two parallel bare conductors, specifically facilitating connections between aluminum alloy main conductors and copper tap conductors. These clamps feature hot-compressed Cupal plates to ensure superior electrical contact while preventing galvanic corrosion. Designed for reliability, the cross-grooved clamp channels enhance mechanical pullout strength, and integrated spring washers maintain constant pressure despite thermal dilatation.

Key Features

Construction Highlights

- Hot compressed Cupal plate for corrosion prevention
- Cross-grooved channels for improved pullout strength
- Spring washers for pressure maintenance
- Designed for bimetallic (Al-Cu) connections

Technical Specifications

Model Specifications

Item No.	Copper Range (mm ²)	Aluminum Range (mm ²)	Length (mm)	Width (mm)	Height (mm)	Bolt Qty
CAPG-A1	6-50	16-70	25	42	40	1
CAPG-A2	10-95	25-150	30	46	50	1
CAPG-B1	6-50	16-70	40	42	45	2
CAPG-B2	10-95	25-150	50	46	50	2
CAPG-B3	16-185	35-240	62	58	60	2
CAPG-C1	6-50	16-70	60	42	45	3
CAPG-C2	10-95	16-150	70	46	50	3
CAPG-C3	25-185	35-240	90	58	60	3
CAPG-C4	35-240	35-300	105	65	70	3

Material Type

Aluminum Alloy, Copper, Bimetallic