

Insulation Piercing Connector for Aerial Cables

This insulation piercing connector is used for branch connections with insulated aluminum main lines and bare aluminum or copper tap lines. The connector features a shear head bolt design for controlled installation and constant piercing pressure, ensuring a secure electrical connection.



Product Overview

Insulation Piercing Connector (IPC)

These insulation piercing connectors are designed for reliable branch connections in low voltage aerial cable systems. Engineered with high-strength aluminum alloy, they offer superior mechanical stability and performance. The integrated shear-head bolt ensures controlled torque during installation, allowing the contact teeth to penetrate insulation effectively for a secure electrical connection without compromising conductor integrity.

Technical Specifications

Type	Main Conductor Size(mm ²)	Tap Conductor Size(mm ²)	Number of Bolts (Tap)	Shear-off Torque (Nm)	Pack (pcs)
JBD16-25/4-25	16-25	4-25	1	13	20x4
JBD35-70/6-25	35-70	6-25	1	16.5	20x4
JBD35-95/4-50	35-95	4-50	1	16.5	20x4
JBD35-95/6-50	35-95	6-50	1	16.5	20x4
JBD35-70/35-70/2	35-70	35-70	2	16.5	20x4
JBD35-95/6-50/2	35-95	6-50	2	16.5	20x4
JBD70-150/4-50/2	70-150	4-50	2	16.5	15x4

Technical data sheet detailing model variations, conductor sizes, and torque requirements for the insulation piercing connector series.

Available Models and Specifications

Type	Main Conductor (mm ²)	Tap Conductor (mm ²)	Bolts	Torque (Nm)	Pack (pcs)
JBD16-25/4-25	16-25	4-25	1	13	20x4
JBD35-70/6-25	35-70	6-25	1	16.5	20x4
JBD35-95/4-50	35-95	4-50	1	16.5	20x4
JBD35-95/6-50	35-95	6-50	1	16.5	20x4
JBD35-70/35-70/2	35-70	35-70	2	16.5	20x4
JBD35-95/6-50/2	35-95	6-50	2	16.5	20x4
JBD70-150/4-50/2	70-150	4-50	2	16.5	15x4

Standards Compliance

EN 50483-4, NF C 33-020, NF C 33-004

Features

Core Features

- Insulation piercing technology eliminates the need for wire stripping
- High-strength aluminum alloy construction
- Shear-head bolt for controlled installation torque
- Superior waterproof insulation sheath
- Suitable for bare aluminum or bare copper tap lines

Application

Low Voltage Aerial Cables • T-Connections • Joint-Connections