

Insulation Piercing Connector for LV-ABC Conductors

These insulation piercing connectors are suitable for all types of LV-ABC conductors, as well as connections in service line, building electrical, and street lighting systems. Installation is achieved by tightening bolts, which forces the teeth to penetrate the insulation of the main and tap lines simultaneously.



Overview

Insulation Piercing Connector (JBC)

The JBC insulation piercing connector is designed for reliable branch connections in LV-ABC conductor systems, service lines, and street lighting. Its advanced design allows for simultaneous piercing of insulation on both main and tap lines, eliminating the need for manual stripping. Engineered with high-strength, weather-resistant materials, it ensures long-term durability and safety in various electrical environments.

Technical Specifications

Dielectric Voltage Test

6 kV
Voltage

1 min
Duration

Key Features

- Shear head bolt for precise installation torque
- Elastic seal and silicone grease for waterproofing
- Integrated end cap prevents loose parts
- Suitable for insulated aluminum and copper cables

Compliance Standards

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

Model Selection Table

Type	Main Conductor Size(mm ²)	Tap Conductor Size(mm ²)	Number of Bolts	Shear-off Torque (Nm)	Pack (pcs)
JBC2.5-35/1-10	2.5-35	1-10	1	9	50x4
JBC10-35/1.5-6	10-35	1.5-6	1	9	50x4
JBC10-95/1.5-10	10-95	1.5-10	1	9	50x4
JBC16-70/16-70	16-70	16-70	1	13	20x4
JBC16-95/2.5-35	16-95	2.5-35	1	15	20x4
JBC25-95/25-95	25-95	25-95	1	18	15x4
JBC25-120/25-120	25-120	25-120	1	20	12x4
JBC35-150/6-35	35-150	6-35	1	17	20x4
JBC35-150/35-150	35-150	35-150	1	25	10x4
JBC35-150/35-150/2	35-150	35-150	2	20	6x4

Technical data overview for various JBC connector models, including conductor size compatibility and shear-off torque requirements.

Available Models and Specifications

Model	Main Conductor (mm ²)	Tap Conductor (mm ²)	Bolts	Torque (Nm)
JBC2.5-35/1-10	2.5-35	1-10	1	9
JBC10-35/1.5-6	10-35	1.5-6	1	9
JBC10-95/1.5-10	10-95	1.5-10	1	9
JBC16-70/16-70	16-70	16-70	1	13
JBC16-95/2.5-35	16-95	2.5-35	1	15
JBC25-95/25-95	25-95	25-95	1	18
JBC25-120/25-120	25-120	25-120	1	20
JBC35-150/6-35	35-150	6-35	1	17
JBC35-150/35-150	35-150	35-150	1	25
JBC35-150/35-150/2	35-150	35-150	2	20