

# 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 <sup>2</sup> ) | Tap Conductor Size(mm <sup>2</sup> ) | 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 <sup>2</sup> ) | Tap Conductor (mm <sup>2</sup> ) | 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          |