

Insulation Piercing Connector for LV-ABC Conductor

Insulation piercing connectors are suitable for LV-ABC conductors within service line, building, and street lighting systems. Installation involves tightening bolts, allowing teeth to penetrate insulation on both the main and tap lines, eliminating the need for stripping.



Overview

Insulation Piercing Connector

These insulation piercing connectors are designed for reliable connections in LV-ABC conductor systems, including service lines, building electrical systems, and street lighting. Installation is efficient and safe, as the design eliminates the need for stripping insulation from either the main or tap lines. The connectors feature high-strength, weather-resistant bodies with integrated shear-head bolts to ensure proper contact pressure and long-term performance.

Technical Specifications

Dielectric Voltage Test

6 kV

Voltage

Key Features

- Shear-head bolt for controlled torque
- Waterproof and corrosion resistant
- Integrated end cap
- No loose parts during installation

Compliance Standards

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

Compatibility

Tap Line Material

Insulated aluminium wire • Insulated copper wire

Main Line Material

Insulated aluminium wire

Applications

Service line system, Building electrical system, Street lighting system

Product Data

| Type | Main Conductor Size(mm ²) | Tap Conductor Size(mm ²) | Number of Bolts | Shear-off Torque (Nm) | Pack (pcs) |
|-----------------------|---------------------------------------|--------------------------------------|-----------------|-----------------------|------------|
| JBC6-35/6-35/PG | 6-35 | 6-35 | 1 | 12 | 40x4 |
| JBC16-70/6-35/PG | 16-70 | 6-35 | 1 | 12 | 30x4 |
| JBC16-95/2.5-35/PG | 16-95 | 2.5-35 | 1 | 13 | 30x4 |
| JBC25-95/25-95/PG | 25-95 | 25-95 | 1 | 18 | 20x4 |
| JBC25-95/25-95/2/PG | 25-95 | 25-95 | 2 | 13 | 16x4 |
| JBC25-120/25-120/PG | 25-120 | 25-120 | 1 | 20 | 15x4 |
| JBC35-150/6-35/PG | 35-150 | 6-35 | 1 | 18 | 25x4 |
| JBC95-185/6-35/PG | 95-185 | 6-35 | 1 | 17 | 20x4 |
| JBC120-240/25-120/PG | 120-240 | 25-120 | 1 | 25 | 12x4 |
| JBC35-185/35-185/2/PG | 35-185 | 35-185 | 2 | 25 | 6x4 |
| JBC95-240/95-240/2/PG | 95-240 | 95-240 | 2 | 25 | 6x4 |
| JBC35-150/35-150/PG/A | 35-150 | 35-150 | 1 | 25 | 15x4 |

Technical specification matrix for various connector models, detailing conductor size compatibility and bolt requirements.

Model Specifications

| Type | Main Conductor (mm ²) | Tap Conductor (mm ²) | Bolts |
|-----------------------|-----------------------------------|----------------------------------|-------|
| JBC6-35/6-35/PG | 6-35 | 6-35 | 1 |
| JBC16-70/6-35/PG | 16-70 | 6-35 | 1 |
| JBC16-95/2.5-35/PG | 16-95 | 2.5-35 | 1 |
| JBC25-95/25-95/PG | 25-95 | 25-95 | 1 |
| JBC25-95/25-95/2/PG | 25-95 | 25-95 | 2 |
| JBC25-120/25-120/PG | 25-120 | 25-120 | 1 |
| JBC35-150/6-35/PG | 35-150 | 6-35 | 1 |
| JBC95-185/6-35/PG | 95-185 | 6-35 | 1 |
| JBC120-240/25-120/PG | 120-240 | 25-120 | 1 |
| JBC35-185/35-185/2/PG | 35-185 | 35-185 | 2 |
| JBC95-240/95-240/2/PG | 95-240 | 95-240 | 2 |
| JBC35-150/35-150/PG/A | 35-150 | 35-150 | 1 |