

Pre-Insulated Equipment Connector for Overhead Lines

This pre-insulated connector is designed for connecting overhead lines to transformers or equipment with conducting rods up to 10kV. It is compatible with both copper and aluminum cables.



Product Overview

Professional Overhead Line Connector

The SBJ pre-insulated equipment connector is a high-performance solution for connecting overhead lines to transformers or other equipment. Designed for versatility, it supports both copper and aluminum conductors and is rated for operations up to 10kV. The integrated design eliminates the need for external cable lugs, utilizing shear head bolts to ensure stable, long-term electrical performance and easy installation.

Technical Specifications

Type	Conductor Size (mm ²)	Strip Length (mm)	Conducting Rod Size	Wrench Size	Pack (pcs)
SBJ-11D-M12	50-95	35	M12	17	4*4
SBJ-11D-M14	50-95	35	M14	17	4*4
SBJ-11D-M16	50-95	35	M16	17	4*4
SBJ-12D-M12	95-150	35	M12	17	4*4
SBJ-12D-M14	95-150	35	M14	17	4*4
SBJ-12D-M16	95-150	35	M16	17	4*4
SBJ-21D-M16	150-240	67	M16	19	4*4

Technical data regarding conductor sizes, rod sizes, and wrench requirements.

SBJ-21D-M18	150-240	67	M18	19	4*4
SBJ-21D-M20	150-240	67	M20	19	4*4
SBJ-31D-M16	300-400	104	M16	22	4*2
SBJ-31D-M18	300-400	104	M18	22	4*2
SBJ-31D-M20	300-400	104	M20	22	4*2
SBJ-31D-M22	300-400	104	M22	22	4*2
SBJ-31D-M24	300-400	104	M24	22	4*2

Technical specifications for higher capacity 150-400mm² connectors.

Rated Voltage

10 kV

Maximum Operating Voltage

Dimensional Summary

Conductor Range (mm ²)	Rod Size	Wrench Size
50-95	M12, M14, M16	17
95-150	M12, M14, M16, M18, M20	17, 19
150-240	M16, M18, M20	19
300-400	M16, M18, M20, M22, M24	22

Standards

DL/T 346-2010

Key Features

Primary Benefits

- Pre-filled with jointing compound for enhanced electrical conductivity
- Phase conductor identification via color-coded sealing covers
- Fully isolated design for safe copper-to-aluminum transition connections
- Simplified installation with shear head bolts
- High-strength aluminum alloy body for extended service life

Product Compatibility

Compatible Cable Materials

Copper • Aluminum