ZITHA TECH SPECIALTY CABLES (Pty) Ltd

What kind of connection is used for busbar joints



Overview

There are many situations where it is necessary to join two busbars to create a single, unified unit. This process, called “jointing,” may be needed to create a longer busbar from shorter, more manageable pieces; or to create a T-shaped tap-off connection from the main busbar. Bolted joints (most common) Bolted joints are formed by overlapping the bars and bolting through the. One persistent belief is that copper busbar joints must fully overlap—matching the entire width of the bar—to ensure electrical safety and low temperature rise. The surface roughness will effectively reduce the actual electrical contact area. 0 Jointing of Copper Busbars David Chapman 6. Joints need to be mechanically strong, resistant to environmental effects and. These busbars are not merely simple current conductors; they serve as the strategic backbone, interconnecting various components within the switchgear and forming the core pathway for electricity flow, with their performance directly determining the stability and continuity of the entire power.



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Article Content

How are copper busbars connected to each other?

All splice plates can be accessed, bolted and unbolted from the front of the switchboard to make connections of adjacent sections easy. Each splice plate is attached with a 1/2 inch bolt and a

Related Video Reference

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