

New Shearbolt Connectors, QCI Series, from 3M Eliminate Need for Additional Tools

For utilities looking for a reliable alternative to compression connectors for medium voltage cables, 3M Electrical Markets Division introduces the Shearbolt Connectors, QCI Series.

The Shearbolt Connectors from 3M create a reliable, consistent connection using continuous shearing determined by contact force not torque value. In addition, the bolt shears below the connector body because the bolt shears axially, not at a pre-defined shear point. This eliminates the need for filing and ensures the correct contact pressure. A friction plate on the bottom of the bolt prevents conductor damage while providing increased contact force.

Designed for American Wire Gauge conductors, the new Shearbolt Connectors, QCI Series, meet the requirements of ANSI C119.4 Class 2. In fact, the connectors from 3M exceed the 40 percent pull-out force required for splices by IEEE-404.

The shearbolt connectors reduce installation time and errors by eliminating the need for crimp tools or dies and reducing installation error. The connectors are ideal for applications where limited space makes it difficult to crimp or where two different conductor sizes need to be connected such as manholes, vaults and trenches for wind farms, power generation plants, refineries and utilities.

The Shearbolt Connectors, QCI Series, from 3M are available for low and medium voltage up to 46 kV and are designed to connect aluminum or copper conductors sized 2 AWG through 1000 kcmil (MCM), reducing the need and cost of maintaining a large connector inventory. In addition, these new connectors are designed to fit the Cold Shrink Splices QS-III from 3M. Contact 3M at 800-245-3573 for 69 kV and higher voltage applications. 3M offers splice kits that utilize shearbolt connectors specifically designed for these voltage classes.

For more information about the new Shearbolt Connectors, QCI Series, contact the 3M Electrical Markets Division at 800-245-3573. For more information about 3M products for the utility and industrial markets, go to <http://www.3M.com/electrical>.

About 3M Electrical Markets Division

The [3M Electrical Markets Division](#), based in Austin, Texas, designs, manufactures and markets products for electrical construction, industrial maintenance, utility and industrial power, and electrical and electronic components. EMD has more than 60 years of experience serving customers with highly reliable products, including electrical and electronic insulating tapes and papers; electromagnetic compatible products; power cable splices and terminations; high-temperature, low-sag transmission conductors; heat shrinkable tubing and molded shapes; electrical wire connectors, terminals, tools and lugs; wire marking products; cable ties; and electrical diagnostic and detection products.

3M is the innovation company that never stops inventing. More information about 3M Company is available [online](#).

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Photos/Multimedia Gallery Available: <http://www.businesswire.com/cgi-bin/mmg.cgi?eid=6706150&lang=en>

3MJane Kovacs, 512-984-6747jkovacs@mmm.com on twitter @3MJaneFor all other

inquiries:<http://www.3m.com/MediaContact>

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