Compression Insulation Piercing Connector (YIPC)

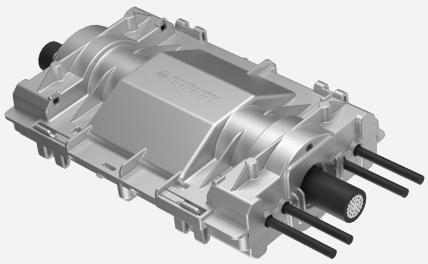
cULus Listed 486A-486B Wire Connector Category ZMVV

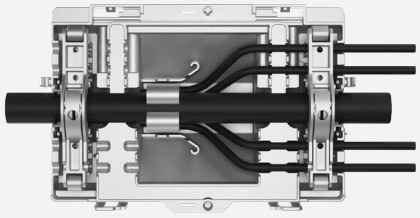
c UL us LISTED
Wire Connectors

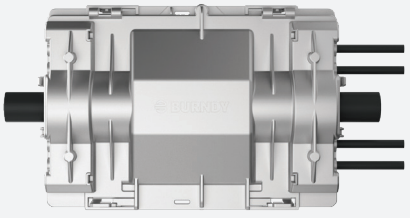
Burndy's Compression Insulation Piercing Connector, a Compression Flexible Trunk Solution (CFTS) for solar farm applications, is designed to deliver value to customers while meeting the required electrical, mechanical, and environmental performance standards. Actual field terrain and other factors can challenge solar photovoltaic module design layouts and prefabricated wire harness solutions in the field, requiring connector field installation flexibility. Burndy's YIPC connection solution offers that field installation flexibility, as our connection solution can be installed where you need along the main/run/trunk conductor line. Unlike traditional mechanical IPCs that can only accommodate a single or dual tap conductor, Burndy's YIPC can accommodate one (1) to four (4) tap conductors, minimizing the total number of connections and installations and allowing projects to be energized sooner realizing quicker ROI.

Burndy's YIPC is designed to pierce the trunk bus insulation with three (3) piercing teeth as well as two (2) piercing legs that allow maximum surface contact for optimal electrical current carry capacity. For unparalleled inspection and connection validation, use use of Burndy's T3 (Track, Trace, Transmit) onboard technology with the PAT46- Series 15-ton crimp tool. T3 technology records data for each individual crimp including: output force indicating a full crimp, date and time, and onboard GPS tracks crimp location, allowing installation verification of each YIPC connector.

Traditional mechanical IPCs state they offer a sealed connection, but Burndy's YIPC cover/enclosure provides connection protection with a full perimeter seal that is compliant with UL 486D Sealed Wire Connector Standard Sequence E Rain and Sequence H Sunlight Resistant. Test requirements include UV, rain, immersion, impact and dielectric withstand. Unlike traditional mechanical IPC covers/enclosures, Burndy designed wire strain relief devices to minimize the stress at the connection.







For more information about insulation piercding compression connectors contact your Hubbell Canada sales representative, or visit www.hubbell.ca.

Insulation Piercing Compression Connector

Burndy's gel-filled cover design and material selection provides the following benefits:

- cULus Listed 486A-486B Wire Connector Standard
- UL 486D Sealed Wire Connector Standard compliant with Sequence E Rain and Sequence H Sunlight Resistance/UV
- Polycarbonate material: UL 94 V-0 flame rating
- Full connector perimeter gel seal, when covers are locked into place
- Eight (8) locking features, two (2) per side
- Strain relief locking devices provide stress and tension relief at the connection, minimizing wire movement in the gel for optimal sealing, while offering proper wire alignment grooves for placement in the cover
- Voltage Rating: 2kV
- Patent Pending

Trust the BURNDY Engineered System

The BURNDY® Engineered System of coordinating dies, connectors, and tools are always designed to work together and engineered to meet stringent, accepted quality standards.

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