



Certification for Insulated Wire Connectors up to 2000 V

Addition of 1000, 1500, and 2000 Volt Ratings for Insulated Wire Connectors

As applications for electrical installations involving voltages above 600 volts increase, UL addresses the need for higher rated insulated wire connectors by adding requirements to UL 486 standards for connectors rated up to 2000 volts.

Wire connectors and soldering lugs are used in all types of electrical equipment and are an essential component of any electrical system. Expanded ratings for insulated wire connectors are foundational for the electrical industry to evolve the low voltage marketplace to higher voltage levels.

Demand for Increased Voltage Ratings

Starting with the 2014 Edition of ANSI/NFPA 70, the National Electrical Code (NEC®), traditional “low voltage” began to increase from 600 to 1000 volts. This initiative continued for the 2017 Edition, with some applications, such as solar photovoltaic (PV) systems increasing to 1500 volts. The 2000 volts limit aligns with the NEC®, as conductors operating above 2000 volts typically require the use of shielded cable.

Requirements

Requirements for these ratings are documented in two UL Certification Requirement Decisions (CRDs), one for each of the following Standards:

- The Standard for Wire Connectors, UL 486A-486B
- The Standard for Splicing Wire Connectors, UL 486C

Contact UL Certification Engineers Today

CRD's can be used to evaluate and issue UL Certifications. UL clients and subscribers to UL Standards subscription service can obtain copies of these CRD's on the same webpage where they access the above noted Standards.



For more information, call 1-877-UL-HELPS, email: ULHELPS@UL.com or visit www.UL.com



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