



GREAVES

Underground Direct Burial

FAQ Can standard pre-insulated connectors be used underground for direct buried, or in a hand-hole or under-grade junction box which could see moisture or flooding?

Most pre-insulated connectors are not designed for water exposure. Some appear similar to burial types (in terms of general configuration and black color), but are not sealed. They are designed for use indoors, in a cabinet, or in a covered enclosure.

As for insulating an in-line splice, adhesive-lined heat-shrink tubes and some cold-fit types are designed for use underground, but might have limited wire-range capability and can be difficult to install.

FAQ What connector from Greaves can I use in a hand-hole, burial, or submersion situation?

Use Greaves Black-bury™ Underground Connectors. This rugged type is designed and tested for submersion, and meets ANSI C119.1 and ANSI C119.4 for Class A, and Western Underground Guide 2.5. They have been successfully field-proven for decades in buried URD (Underground Residential Distribution) and other underground utility applications where they are routinely placed "in the ditch" and back-filled.

Installation is simple and quick -- no tape, no compounds to mix, and no heat shrink. The heavy duty black EPDM rubber insulation and sealing caps provide reliable seals. Black-Bury connectors are dual-rated for copper or aluminum wire, economical, and versatile to accommodate an extremely wide range of wire sizes with a single connector size.

For in-line splices, the Black-Bury UPP1-350 accommodates from 350kcmil - #10AWG. This dual-rated splice/reducer accepts the entire wire range into either end. The UPP1-350 is RUS Approved and UL listed. Also available, the UPP1-500 and UPP1-750 sizes accommodate larger wire sizes.

For multi-cable connections, Black-Bury connectors are available. The UPP350 size handles wire sizes from 350kcmil - #10STR with multiple-wire units available for 2 – 8 wires, The UPP500 size handles wire sizes from 500kcmil - #10STR with multiple-wire units available for 3 – 8 wires. The UPP750 size handles from 750kcmil - #2AWG.

The USK Series is also available for direct burial protection of in-line compression or mechanical splices. These feature cylindrical exterior covers (i.e. without caps). This series can accommodate either mechanical or compression splices, and can also be used solely for quick installation where re-entry capability is needed, even for indoor situations.

For splicing or repair of multi-wire UF Underground Feeder Cable, the UFK-8 Splice Kit provides direct burial sealing with adhesive-lined heat shrink tubing for jacketed UF cable up to #8 3/C plus ground.

For further details on Greaves underground Connectors see the Greaves Catalog, or visit www.greaves-usa.com.

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