3M™ Direct Bury Splice Kit
DBO/B-6

Applications
The 3M™ Direct Bury Splice Kit DBO/B-6 is used to electrically connect two or more pre-stripped copper wires and moisture seal the connection for direct burial.

The kit includes a 3M™ Performance Plus Wire Connector O/B+ and a high impact, UV-resistant polypropylene tube prefilled with moisture-resistant grease.

Agency Approvals & Self Certifications
Meets requirements of: UL Standard 486D
C UL US Listed, File No. E102356
Listed for use in wet, damp, direct bury and submersible locations with UF type cable

RoHS 2002/95/EC
RoHS Compliant 2002/95/EC” means that the product or part (“Product”) does not contain any of the substances in excess of the maximum concentration values in EU Directive 2002/95/EC, as amended by Commission Decision 2002/618/EC, unless the substance is in an application that is exempt under RoHS. This information represents 3M’s knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

Specifications
Maximum Voltage Rating: 600 V
Application Temperature: 32°F to 120°F (0°C to 49°C)
Maximum Operating Temperature: 221°F (105°C)

Construction:
Tube: Impact and UV Resistant Polypropylene
Grease: 711B
O/B+ Connector: Steel Spring, Flame Retardant Insulator

Common AWG Wire Combinations (CU only)
- 2-3 #16 sol/str
- 2-3 #14 sol/str
- 2 #12 sol/str
- 1 #14 to 1 #12 sol/str

3-6 0.75 mm² sol/str
3-6 1.0 mm² sol/str
2-4 1.5 mm² sol/str
2-3 2.5 mm² sol/str

*See Chart for all Combinations*

Metric Wire Combinations (CU only)

*Only AWG sizes are UL LISTED
Installation Instructions

⚠️ Warning
Turn power off before installing or removing connector. All electrical work should be done according to appropriate electrical codes.

**Installation Tip:**
If having difficulty pushing the connector to the bottom of the tube, use a rigid, thin piece of non-conductive material to help push the connector down. Once the connector is on the bottom, remove the material and fill in any voids left in the grease.

Substitute for 3M™ Direct Bury Splices DBY and DBY-6

**Combination Chart:**
### Shelf Life & Storage
The 3M™ Direct Bury Splice Kit DBO/B-6 has a 5-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C/50°F to 27°C/80°F and <75% relative humidity).

### Availability
From your local distributor; or from 3M.com/electrical [Where to Buy] or call 1.800.245.3573.

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