3M™ Direct Bury Splice Kit DBO/B-6

Data Sheet | **January 2011**

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	1 #18 to 1-2 #14 sol/str
2-3 #14 sol/str	1 #18 to 1-2 #12 sol/str
2 #12 sol/str	1 #16 to 1-2 #14 sol/str
1 #14 to 1 #12 sol/str	1 #16 to 1-2 #12 sol/str

See Chart for all Combinations

Metric Wire Combinations (CU only)

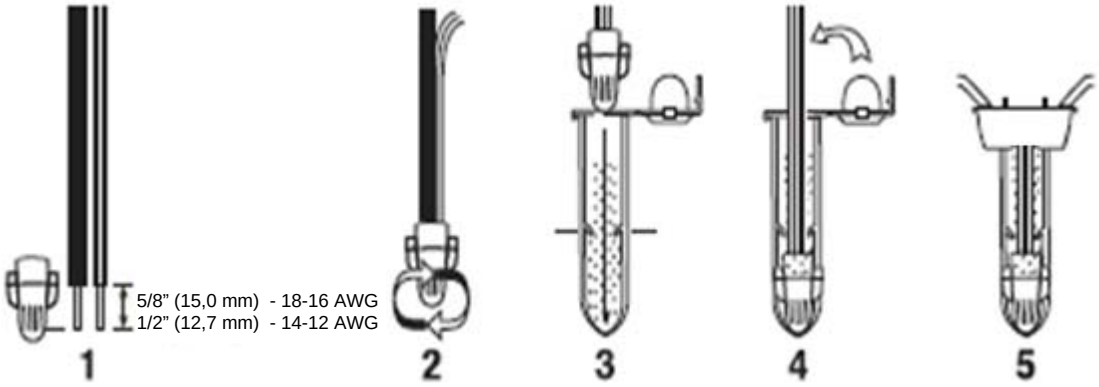
3-6 0,75 mm^2 sol/str
2-6 1,0 mm^2 sol/str
2-4 1,5 mm^2 sol/str
2-3 2,5 mm^2 sol/str

*Only AWG sizes are UL LISTED

3M™ Direct Bury Splice Kit DBO/B-6

Installation Instructions

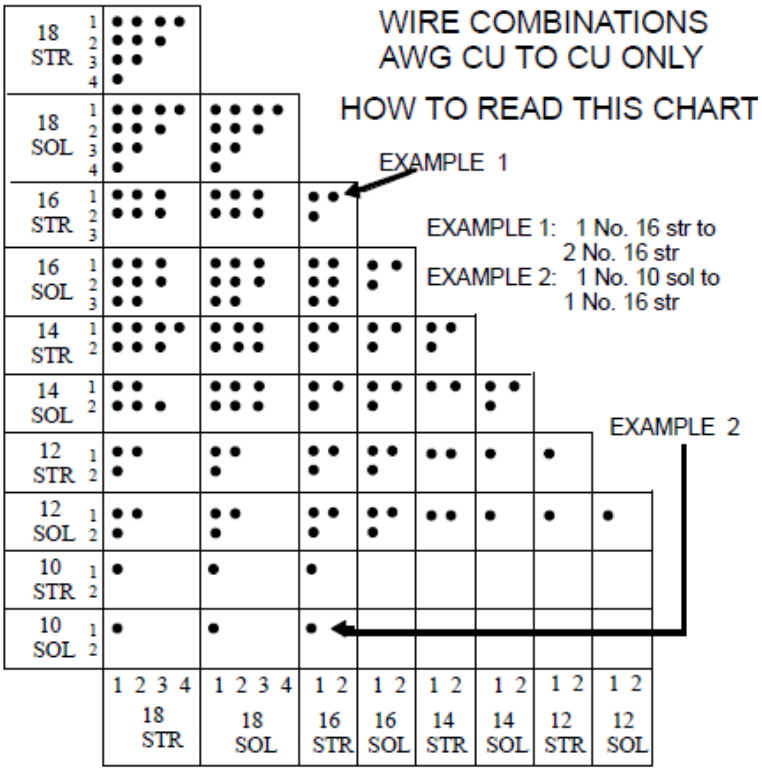
> ⚠ **Warning**
> Turn power off before installing or removing connector. All electrical work should be done according to appropriate electrical codes.



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:



3M™ Direct Bury Splice Kit DBO/B-6

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.

Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
Warranty; Limited Remedy; Limited Liability	This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.

3M is a trademark of 3M Company.

3M

Electrical Markets Division
6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

Please recycle
© 3M 2011 All rights reserved
78-8141-4458-3 A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:
DBR/Y-6 BULK 7000006235