

3M™ Cold Shrink Quick Splice Low Voltage QSLV-M for up to 1000 Volts
Product Bulletin



Quick & Reliable

Low-Voltage Insulation





3M™ Cold Shrink Quick Splice Low Voltage QSLV-M

3M™ Cold Shrink Quick Splice Low Voltage QSLV-M

These splice kits provide quick, highly reliable insulation and protection for low-voltage cable connections for up to 1000 volts. 3M introduces an alternative for insulating and protecting secondary low-voltage splices. The 3M Cold Shrink Quick Splice Low Voltage QSLV-M provides quick, consistent installation and impact resistance for direct bury secondary low-voltage applications. And with factory-installed mastic rings in each end of the tube, the QSLV-M offers greater range taking by accommodating a remarkably wide cable range with only a few parts.

Quick installation
Impact resistance
Broad range



Benefits

Fewer sizes to carry in trucks - The 3M™ Cold Shrink Quick Splice Low Voltage QSLV-M provides reliable performance over a broad cable range of 8 AWG to 1000 kcmil. The QSLV-M covers this broad range with just two sizes.

No torch or tools required – The QSLV-M can be installed by hand without extensive training, special tools, heat gun or torch.

Reliable sealing and long-term durability – QSLV-M insulating tubes remain resilient and continue to provide a constant interface pressure and a highly reliable moisture seal even after years of aging and exposure. These products have excellent wet electrical properties and resist fungus, acids and alkalis. These products have passed testing for ANSI C119.1.

Features

Three-core System – The QSLV-M insulators are specially formulated cold shrink tubes that are factory expanded onto a unique three-core system. The QSLV-M series tubes include a factory-installed ring of sealing mastic inside each end of the tube.

Two cores, one on each end, are removed from each tube after the insulator is positioned over the connector. These short core pulls allow for a faster, smoother installation. The third core is left in place in the middle, providing structural support to the tube, and protecting it against potential impact damage from sharp or heavy debris during burial.

This product is designed as primary electrical insulation for solid dielectric insulated wire and cable splices rated to 1,000 volts. It can be used for direct bury or submersible applications and is designed for secondary splices, either copper or aluminum. It also can be used for dig-in repairs, sheath repairs and insulation of transition connectors for in-line conductors.

In aerial applications, 3M recommends providing an added layer of protection to this product by overwrapping it with Scotch® Super 33+™ Vinyl Electrical Tape or Scotch Self-Fusing Silicone Rubber Electrical Tape 70.

Product Name	Cable Size Range (AWG or kcmil)*		Cable Insulation O.D. Range Inches (mm)	Max Connector O.D. Inches (mm)	Max Connector Length Inches (mm)
	Aluminum	Copper			
QSLV-M 8-2/0	8 AWG - 2/0 AWG	8 AWG - 3/0 AWG	0.20-0.75 (5-19)	0.687 (17)	2.5 (63)
QSLV-M 2-500	2 AWG - 500 kcmil	2 AWG - 1000 kcmil	0.40-1.60 (10-41)	1.500 (38)	4.25 (108)

*Insulator may be used on cable sizes outside of the recommended range, provided both cables are within the insulation O.D. range and the connector meets the dimensional requirements shown above.

Patent Pending.

Product Name	UPC #	Case Quantity	Min. Order Quantity
QSLV-M 8-2/0	051128-57236	10	10 (1 case)
QSLV-M 2-500	051128-57237	10	10 (1 case)



Caution: Working around energized electrical systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling electrical equipment. De-energize and ground all electrical systems before installing product.

3M, Scotch and Super 33+ are trademarks of 3M Company.

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 for a period of five (5) years from 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.



Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800 245 3573
FAX 800 245 0329
www.3M.com/electrical

Please recycle. Printed in USA.
© 3M 2008. All rights reserved.
80-6016-0273-5B