

3M 5300 Motor Lead Splicing Kits

Category : Other Engineering Material

Material Notes:

3M Motor Lead Splicing Kits 5300 Series are a series of kits designed for splicing motor lead cables to incoming feeder cables. The kits accommodate the follow splice configurations: Pigtails (stub) connections, 1000 Volts and less. Inline connections, 1000 Volts and less. Pigtail (stub) connections, 5/8 kV shielded and non-shielded feeders. Inline connections, 5/8 kV shielded an non-shielded feeders. In addition, splice kits 5300-5319 are CSA certified for motor lead applications up to 600 Volts. The splice's main component, the lug or splice cover, is made from EPDM rubber either as a slip-on or as a cold shrink insulator. A mastic is used for the moisture seal on the pigtail kits. The 5/8 kV kits designed for shielded feeder cables utilize a high dielectric constant (K) stress control material or the feeder cable's electrical stress control. These kits are designed to be used with copper compression, one or two hole lugs. After being crimped onto the cables, the lugs are bolted together in an inline or pigtail configuration, the insulated and sealed with the 3M motor lead splicing kits. Each kit contains all the necessary materials (except lugs) needed to make three splices. The lugs must be purchased separately. 3M Scotchlok Copper lugs 30000 Series, or other UL listed copper lugs, can be used. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-5300-Motor-Lead-Splicing-Kits.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	9.65 MPa	1400 psi	ASTM D412
Elongation at Break	750 %	750 %	ASTM D412
300% Modulus	0.00331 GPa	0.480 ksi	ASTM D412
Tear Strength	26.3 kN/m	150 pli	ASTM D624C

Electrical Properties	Metric	English	Comments
Dielectric Strength	11.1 kV/mm	282 kV/in	ASTM D-149
	14.4 kV/mm	365 kV/in	Original; ASTM D-149

Descriptive Properties	Value	Comments
Appearance	Black	

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