

EMC BOOT™

Epoxy-Mica Coupler BOOT™



The Iris BOOT™ is designed exclusively for use with **all** voltage classes of Iris epoxy-mica capacitors. It is made of a pre-formed silicone rubber mould, which forms a tight seal over the high voltage cable and the first shed of the coupler. It is easily installed over the high voltage terminal and provides a reliable, tight seal against moisture and contamination. This eliminates the need for the application of putty and tape. The BOOT™ has a two-step "neck" to accommodate both the 16kV and 25kV high voltage cables. The design of the BOOT™ allows for easy installation and removal for quick inspection of the coupler without the added labour of removing and re-applying putty and tape.



SPECIFICATIONS

Testing

- BIL Lightning impulse tests on EMC's insulated with BOOT™
- Hi-pot testing at 50kV peak value, increased by 10kV steps
 - 25kV EMC tested/passed value up to 200kV (206kV corrected as per IEEE Std. 1995)
 - 16kV EMC tested/passed 170kV level of testing (175kV corrected as per IEEE Std. 1995)

* Testing is only valid with the Iris family of capacitors

Mechanical and Electrical Properties

- Specific Gravity: 1.35 g/cm³
- Hardness: 62
- Tensile Strength: 4.9 Mpa, Tear Strength: 17.1 kN/m
- Elongation at Break: 300%
- Volume Resistivity: 1.5 x 10¹⁵ ohm cm
- Dielectric Constant (100 Hz): 3.7
- Dielectric Strength: 16.9 (400) kV/m (volts/mil)
- Dissipation Factor: 23
- Tracking Resistance 4.5



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