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Insulation Resistance Megohmmeter Method

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140 Philips Road

Exton, PA 19341

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1.0 SCOPE AND DEFINITIONS

This method is intended for use in determining the Insulation Resistance of insulated dielectric for coaxial cables by the megohmmeter method.

2.0 EQUIPMENT

- 2.1 Megohmmeter, Quadtech 1865 or equivalent
- 2.2 Leads as required

3.0 SET-UP

Follow all calibration requirements recommended by the manufacturers of the Megohmmeter being used.

Caution: Leads are energized during Zero Calibration

4.0 PROCEDURE

- 4.1 Specimen Preparation:
 - 4.1.1 Precondition specimen between 59°F (15° C) and 95°F (35°C) for 24 hours.
 - 4.1.2 Coaxial cables with jackets should have 3 to 4 inches (75 to 100 mm) of jacket material removed from each end of cable specimen. One end of cable specimen should then have approximately 1 inch (25 mm) of shield and dielectric material removed exposing the center conductor. The center conductor should then be cleaned of any remaining dielectric material or precoat. The shield (and braid wires on braided cables) should then be peeled back to allow connection with the test lead alligator clip. The opposite end of the cable specimen should be examined for possible touching of shield to center conductor. Peeling back the shield on this end may be necessary to prevent arcing see figure 1.