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Telecommunications
Engineers***

**ENGINEERING COMMITTEE
Interface Practices Subcommittee**

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**Test Procedure for Contact Resistance Measurement of
Mainline Plug Interface**

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1.0 SCOPE

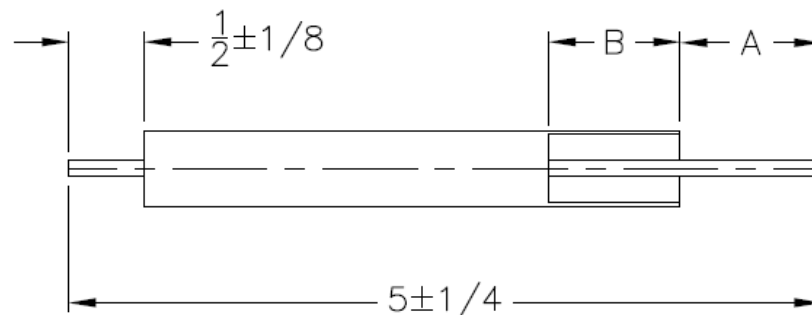
- 1.1 The purpose of this test procedure is to measure the resistance between the contact of the connector and cable interfaces. High resistance contacts may cause excessive energy losses, overheating and possibly common path distortions. It is most desirable to have contact resistance as low as possible.

2.0 TEST SAMPLES

2.1 Sample Preparation

- 2.1.1 Prepare one end of an appropriately sized cable in accordance with the connector manufacturer's instruction. If the cable is jacketed remove all jacket material using the appropriate jacket stripping tool. For QR cables leave the jacket on to facilitate proper coring and preparation.
- 2.1.2 Prepare the remaining cable end to meet the dimensions depicted in Figure 1. Dimensions A and B are the connector manufacturers recommended center conductor protrusion and core depth respectively.

Figure 1



- 2.1.3 Install the connector sample in accordance with manufacturer's instruction.
- 2.1.4 For QR cables, remove the remaining jacket to the back of the connector.