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**Specification for
Trunk, Feeder and Distribution Coaxial Cable**

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140 Philips Road
Exton, PA 19341

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SPECIFICATION FOR TRUNK, FEEDER AND DISTRIBUTION COAXIAL CABLE

INTRODUCTION

This specification applies to general purpose Trunk, Feeder and Distribution Coaxial Cables. Currently there are two distinctive designs of dielectric available, this document will cover both designs. These are 1 – Gas injected foam dielectric and 2 – Disc and air dielectric. Specialty cables will not be included in this document.

References to the National Electrical Code, National Electrical Safety Code, ASTM and other regulations or specifications should adhere to the latest document and should keep current with each document.

This specification in no way should limit or restrict any manufacture's innovations and improvement. Innovation and improvements are encouraged and this specification may be adjusted when beneficial.

1.0 SCOPE

- 1.1 This specification applies to material, electrical and mechanical properties of seventy-five ohm coaxial cables as defined herein.
- 1.2 Seventy-five ohm coaxial cables are used to distribute radio frequency (R.F.) signals and power as applicable.

2.0 CENTER CONDUCTOR

2.1 Material

- 2.1.1 The center conductor shall be copper clad aluminum (CCA). The outer layer of copper shall be metallurgically bonded and continually cover the aluminum core prior to processing, the composite conductor shall meet the requirements of ASTM B 566- Class 10A or 10H.
- 2.1.2 Solid copper center conductor may also be available, if required by the user. Low DC resistance is the only advantage to using solid copper, therefore, this document will only cover the copper clad aluminum.