

Installation Instructions

Type APM Arrestor Plus® Mini Series

Bulletin 237503 Revision B Page 1 of 1

Surge Arrestors

for 7-16 DIN and Type N Bulkhead Interfaces

Andrew Institute offers installation training.

Description

The APM Surge Arrestors are designed to protect equipment from damaging transients induced by lightning strikes. The APM Surge Arrestor is a wideband device that is available in a variety of interface combinations. The operating bandwidth is specified on each APM Surge Arrestor.

Installation

The APM Surge Arrestor is a **bidirectional** RF device. Either RF port may be connected to the equipment side or the antenna side of the transmission line interface while providing equivalent protection. Do not leave the APM Surge Arrestor RF ports exposed in outdoor applications.

The APM Bulkhead Surge Arrestor grounding is accomplished through the surge arrestor body at the point of attachment to the bulkhead. The bulkhead must be attached to a master ground bar or the system's earth ground ring to ensure a low impedance path to ground.

During installation, all grounding contact surfaces must be clean, dry, and free of oxidation.

An optional Bulkhead Angle Adapter Kit is available to facilitate mounting when a grounding bulkhead is not available. Order Type 243951 for Type N and Type 243950 for Type 7-16 DIN.

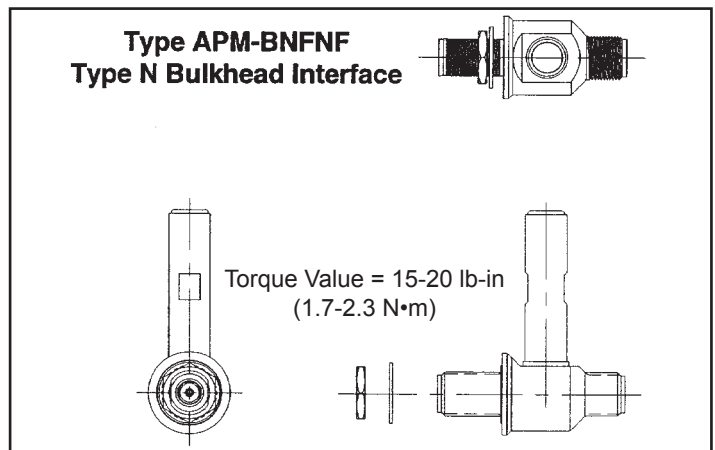
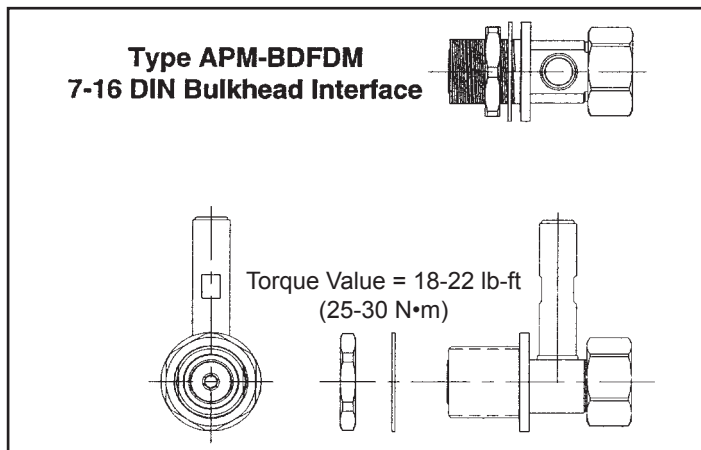
Microwave Performance Testing

The APM Surge Arrestors can be readily tested for microwave performance using any network analyzer. VSWR (return loss), insertion loss are specified for the operating bandwidth only. Fault location testing can be performed through the APM Surge Arrestor with the appropriate test equipment (i.e. vector network analyzer with time domain capability). Some test equipment manufacturers refer to this type of fault location testing as Frequency Domain Reflectometry (FDR).

Notice

The installation, maintenance, or removal of antenna systems requires qualified, experienced personnel. Andrew installation instructions are written for such personnel. Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance, and condition of equipment.

Andrew disclaims any liability or responsibility for the results of improper or unsafe installation practices.



Andrew LLC

Customer Service 24 hours

U.S.A., Canada, Mexico:

for HELIAX® AVA Cables call 1-800-255-1479

for HELIAX® SFX, FXL Cables call 1-888-235-5732

U.K.: 0800 250055 Brazil: +55-15-2102-4000

Other Europe: +44 592 782 612

www.commscope.com

Visit our Web site at www.commscope.com or contact your local Andrew LLC representative for more information.

© 2010 CommScope, Inc. All rights reserved.

Andrew LLC is a trademark of CommScope. All trademarks identified by ® or ™ are registered trademarks or trademarks, respectively, of CommScope. This document is for planning purposes only and is not intended to modify or supplement any specifications or warranties relating to Andrew LLC products or services.

Notice: Andrew LLC disclaims any liability or responsibility for the results of improper or unsafe installation, inspection, maintenance, or removal practices.

Aviso: Andrews LLC no acepta ninguna obligación ni responsabilidad como resultado de prácticas incorrectas o peligrosas de instalación, inspección, mantenimiento o retiro.

Avis: Andrew LLC décline toute responsabilité pour les conséquences de procédures d'installation, d'inspection, d'entretien ou de retrait incorrectes ou dangereuses.

Hinweis: Andrew LLC lehnt jede Haftung oder Verantwortung für Schäden ab, die aufgrund unsachgemäßer Installation, Überprüfung, Wartung oder Demontage auftreten.

Atenção: A Andrew LLC abdica do direito de toda responsabilidade pelos resultados de práticas inadequadas e sem segurança de instalação, inspeção, manutenção ou remoção.

Avvertenza: Andrew LLC declina eventuali responsabilità derivanti dall'esecuzione di procedure di installazione, ispezione, manutenzione e smontaggio improprie o poco sicure.

注意: Andrew 公司申明對於不恰當或不安全的安裝、檢驗、維修或拆卸操作所導致的後果不負任何義務和責任