Coaxial Bonding Connector

FUNCTION

Coaxial Bonding Connectors are used to ground drop cables at the subscriber's premises. A coaxial splice is attached directly to the common service ground wire creating a bonding point that prevents electricity that may be present on the aerial or underground drop from energizing the interior wiring of the home.

PLACEMENT

The Coaxial Bonding Connector is designed to attach directly to the power utility #6 AWG solid copper conductor that runs between the electric service panel and the ground rod. This conductor is referred to as the common utility service ground wire. By bonding the coaxial service drop directly to the common utility service ground wire, the installation cost incurred by cable operators is greatly reduced. Moreover, the differential in electrical potentials between different grounding systems (Power Utility and CATV) is reduced. This creates a bond with superior electrical characteristics compared to other drop grounding methods.

FEATURES

- Cost savings are achieved by eliminating the need to purchase additional grounding items (ie: #10-14 AWG Ground Wire, Meter Box Clamps, Vise Connectors, etc…).
- The ground wire is held firmly without scoring or deforming the conductor.
- Connector is formed from high strength Silicon Bronze to prevent any dissimilar metal issues and improve electrical dissipation characteristics.
- The Connector's splice accepts any standard 7/16" F Connector.
- UL Listed.

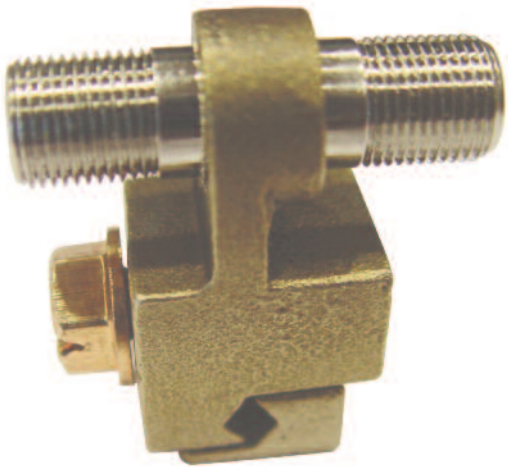
COMPONENTS

- Connector is stamped and formed from Silicon Bronze.
- F-81 splices are 1.3" long and are machined from nickel plated brass with 3/8" - 32 UNEF threads.
- Nut and washer are formed from nickel plated brass.
- Allied Bolt's premium F-81 feature a frequency range of 5 - 3000 MHz, flat F ports, and a tin plated beryllium copper conical seizure mechanism.

Frequency (MHz)	5 - 1000	1000 - 2000	2000 - 3000
Insertion Loss	0.1	0.2	0.25
Return Loss	27	23	20

IDENTIFICATION

PART NO.	DESCRIPTION	STD PKG
2546	Coaxial Bonding Connector to Power Ground	50

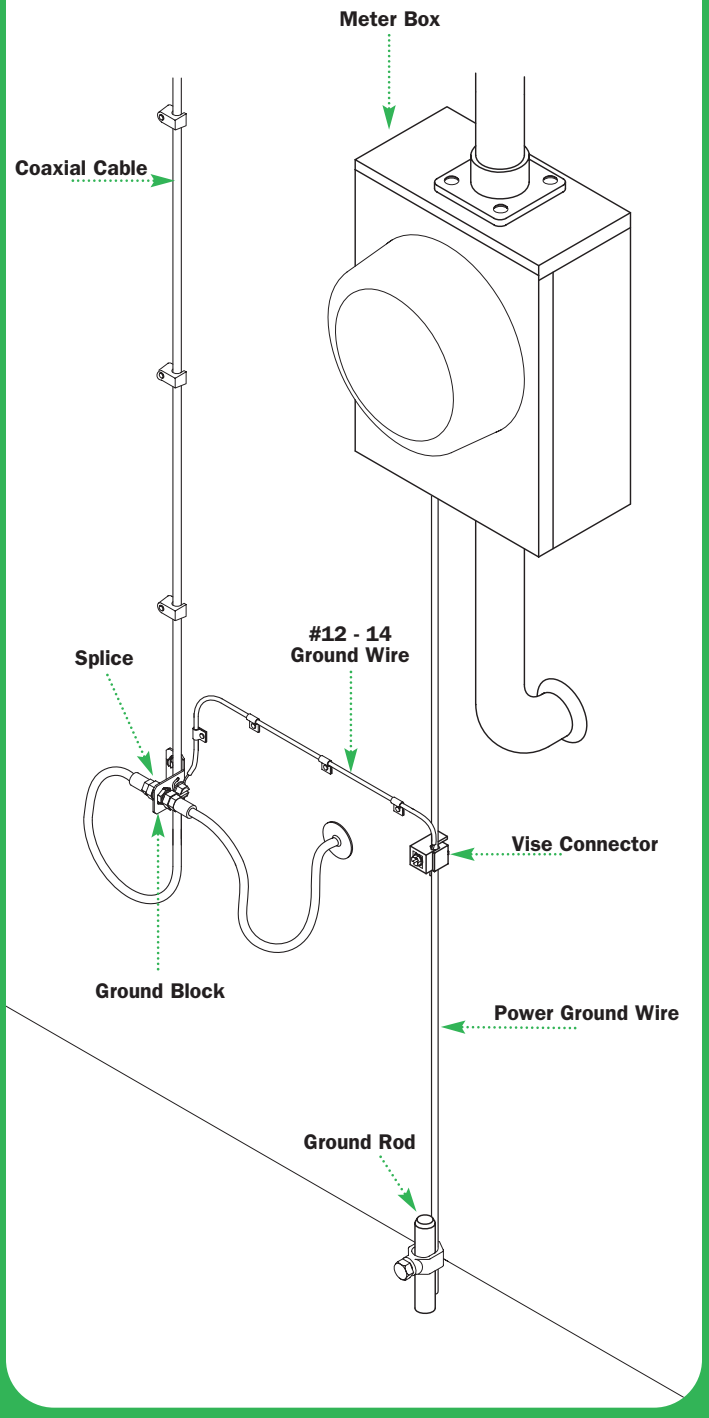


Installed

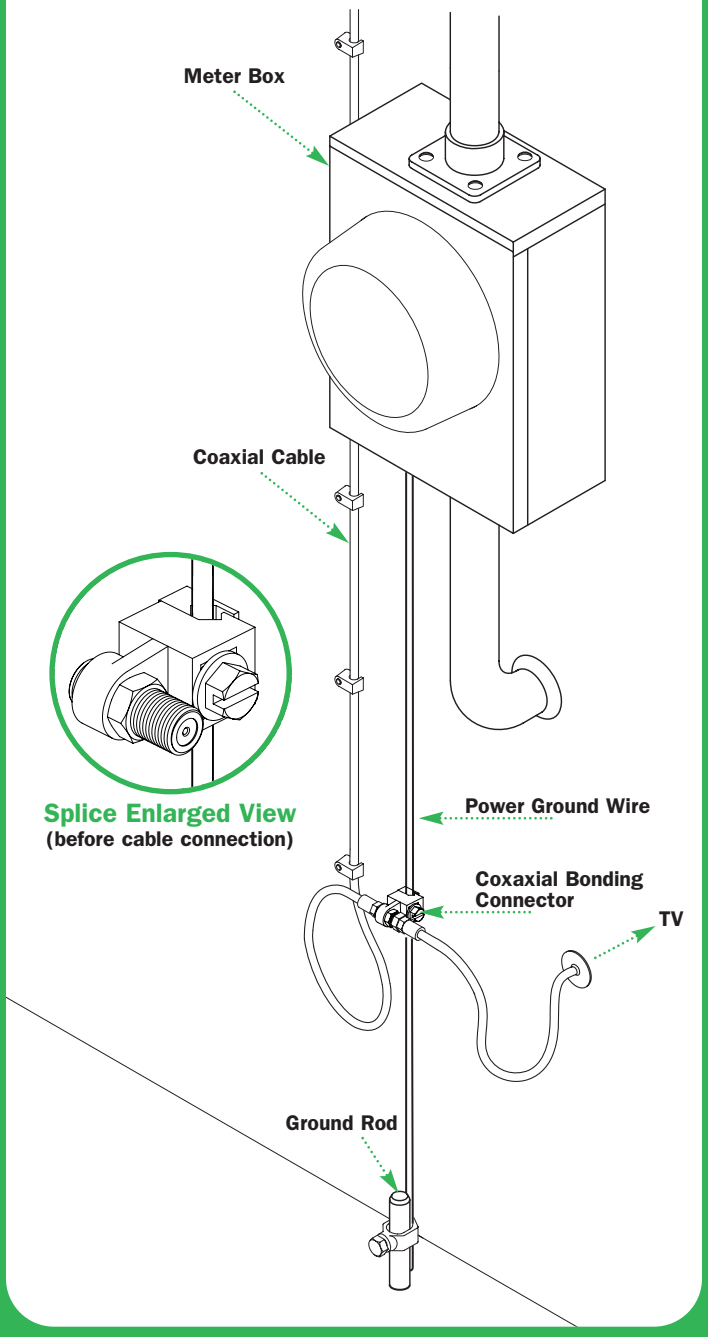
ALLIED BOLT
ALLIED BOLT, INC.

3000 Marcus Ave., Suite 3E09 • Lake Success, NY 11042
516.512.7600 • Fax: 516.512.7611

INSTALLATION with Traditional Ground Block Method



INSTALLATION with Coaxial Bonding Connector



ALLIED BOLT
ALLIED BOLT, INC.

3000 Marcus Ave., Suite 3E09 • Lake Success, NY 11042
516.512.7600 • Fax: 516.512.7611