

639596 Revision C, May 2016

RET Cable Grounding Kit

ATGK-CABLE

GENERAL INFORMATION

The ATGK-CABLE grounding kit is used for the main RET cable assembly feeding from the controller (ATC200-LITE-USB or ATC300-1000) up to a junction box or actuator. This kit is designed to eliminate the need to cut the cable or to waterproof the ground. The kit is fastened to the junction where two cables are daisy-chained and to the tower leg. A grounding cable is also included to attach to the main ground bus.

Cables should be grounded at the top, bottom, and every 60 meters. A junction box at the top of the cable run usually provides the ground at the top. A lightning protection unit at the bottom of the run (outside the shelter) provides grounding at the bottom. For a run over 60 meters, cables can be daisy-chained, as required.

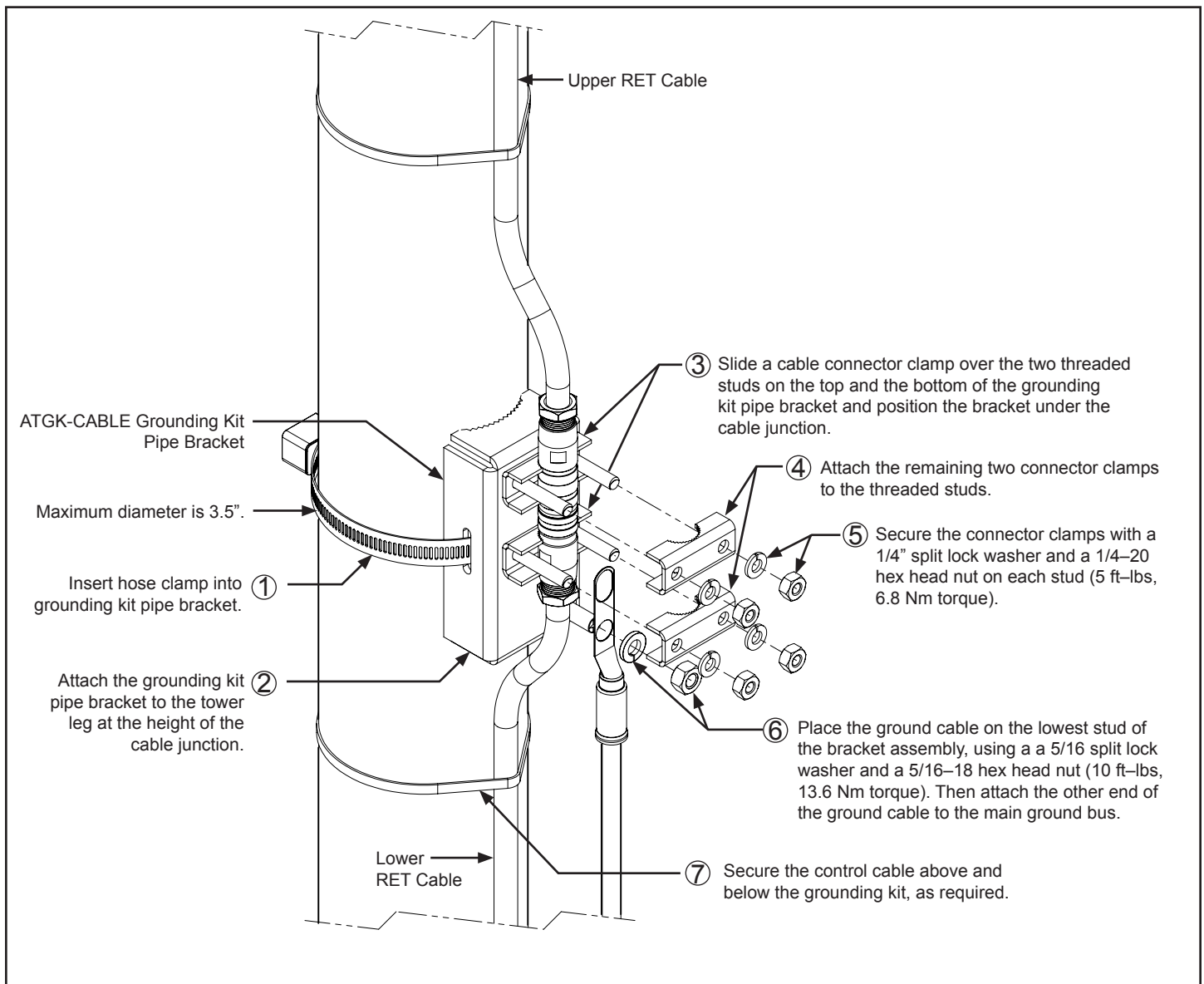


Figure 1. ATGK-CABLE Installation Instructions.

(continued on page 2)

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WARRANTY NOTICE

Proper installation procedures must be followed when installing and operating RET equipment. Failure to assure installations are done properly by trained installation personnel and to follow procedures discussed in this bulletin may cause warranty for such products to be void.

CommScope requires pretesting actuators on the ground prior to installation, using the CommScope portable controller and the latest version of the controller software (available online at www.commscope.com/Resources/Software). This will verify proper actuator functionality and also ensure that the latest available actuator firmware release is installed on the actuator. Failure to conduct pre-test and pre-installation procedures defined by CommScope will void warranty.

Unauthorized removal of a protective shroud to replace actuators voids the CommScope warranty.

SAFETY NOTICE

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

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

It is recommended that transmit power be turned off when the field installation is performed. Follow all applicable safety precautions as shown on this page.



Do not install near power lines. Power lines, telephone lines, and guy wires look the same. Assume any wire or line can electrocute you.



Do not install on a wet or windy day or when lightning or thunder is in the area. Do not use metal ladder.



Wear shoes with rubber soles and heels. Wear protective clothing including a long-sleeved shirt and rubber gloves.