

RF Test Solutions

7/8" Feedline Press-on Test Connector

Suitable for Commscope AVA5, Eupen EC5, Trilogy AT078

Tools Needed

Hacksaw

Utility Knife

Flat Bladed Screwdriver

Course Sandpaper

Instructions for Foam Dielectric Cables AVA5 and EC5

1. Cut the end of the feedline square and clean using the hacksaw.

2. Using the Flat Bladed Screwdriver or the Utility Knife push the foam dielectric away from the center conductor. The test connector slips over the outside of the feedline center conductor and clearance must be made.

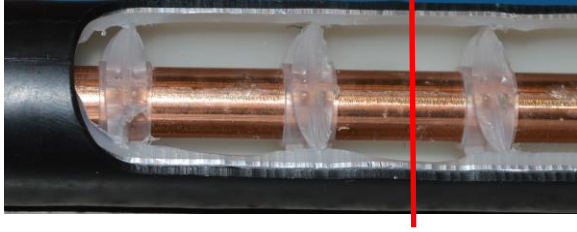
3. Strip 1.5" of the outer jacket off. The test connector slips over the outer conductor and not over the jacket.

4. Terminate the far end of the feedline. A convenient way to do this is by using a Term Cap™ instead of installing a connector. With a square clean cut push the Term Cap on. Once terminated, test using DTF Distance to Fault over a wide sweep bandwidth. Since you are testing only the cable ignore the test connector and the far end termination.



Instructions for Air Dielectric Cable AT078

1. Cut the end of the feedline square and clean using the hacksaw. You must cut at a location between the internal disks. They are spaced about 1" apart.



2. There is an adhesive on the outside of the center conductor that must be removed. The Utility Knife and Sandpaper are used to do this. The adhesive must be removed to allow proper connection to the inner conductor.



3. Strip 1.5" of the outer jacket off. The test connector slips over the outer conductor and not over the jacket. If the Aluminum outer conductor has been exposed to air for more than a couple of hours you should lightly sand it to remove the oxide. The oxide is an insulator and can affect the testing if not removed.



4. Terminate the far end of the feedline. A convenient way to do this is by using a Term Cap™ instead of installing a connector. With a square clean cut push the Term Cap on. Once terminated, test using DTF Distance to Fault over a wide sweep bandwidth. Since you are testing only the cable ignore the test connector and the far end termination.



Press-on Test Connectors and Term Caps™ for 1/2" and 7/8" feedline sizes are available from www.TestedRFCables.com. You can also ask that your cable manufacturer or distributor install Term Caps™ when shipping product to you.