

EASIA[®]X PLUS Automated Cable Prep Tool

Tips and Techniques for HELIAX[®] Foam-Dielectric Cable Preparation

Supplements the Installation Instructions provided with your EASIA[®]X PLUS cable prep tool and your HELIAX connectors.

General Tips

- Straighten cable end:
For 1/4" through 5/8" sizes, 6 inches (150 mm), minimum.
For 7/8" through 1-5/8" sizes, 12 inches (300 mm), minimum.
- Cut cable flush to ensure proper entrance into the cable prep tool.
- Recommend drill spec:
For 1/4" through 5/8" sizes, a 3/8" electric drill or a 14.4-volt cordless drill used in the 0-400 rpm range.
For 7/8" through 1-5/8" sizes, a 1/2" electric drill or a 15.4-volt, minimum, cordless drill used in the 250-400 rpm range. A 1/2" drill is recommended if the tool is being used for an extended period of time. A cordless drill typically will require recharging after ten to twelve uses.
- Feed cable prep tool onto cable:
For 1/2" through 5/8" sizes, feed cable prep tool onto cable keeping the tool and cable straight at all times. Apply steady pressure for only 5 to 10 seconds. Check the connector Installation Instructions for proper cable preparation dimensions and make sure they are correct.
For 7/8" through 1-5/8" sizes, feed cable prep tool onto cable until indents drop into corrugation valley. Apply only enough hand pressure to pass indents over corrugation crest. Allow tool to feed itself into corrugation valley. Apply steady pressure only for 5 to 10 seconds. Pull on the drill. You should feel some resistance. This indicates the ballbearing has engaged the corrugations.
- For 7/8" through 1-5/8" sizes, check cable to make sure that the outer conductor is cut at the top of a crest and the jacketing is removed to the correct dimensions.
- After each cable preparation, check tool to make sure it is clear of debris from previous use.
- After extended use (150 cable preparations), inspect and replace blades, if needed.
- Avoid cross threading the clamping nut onto the cable.
If you have a problem attaching the clamping nut to the cable, check for cross threading or stretched corrugations on the cable.

Note: Electric and cordless drills vary widely in torque capabilities and other features. Perform two or more "test runs" to ensure your familiarity with the tool's operating characteristics. 150 cable preparations are achieved by rotating the blades.



Caution. Always use eye protection when using power tools.

Troubleshooting Checklist

<i>Look for Problem/Condition</i>	<i>Solution</i>
<input type="checkbox"/> Cable prep tool not cutting properly	Check cutting blades. Check battery on cordless drill. Check jacket thickness on cable. Ensure that cable prep tool is tight in drill. Adjust amount of pressure being applied to drill. Adjust drill speed to lower RPM level. The cable prep tool functions best in the 250 to 400 rpm range for 7/8" to 1-5/8" cables and 0 to 400 rpm for 1/4" to 5/8" cables.

Correct and Incorrect Cable Preparation

1/4" through 5/8" Cables

7/8" through 1-5/8" Cables

