Cable Prep Tools for Fiber Cable Applications

User Guide



CablePrep®

Tools You Trust Since 1979

Standard Product Warranty

Ben Hughes Communication Products Co., (BHCP) warrants that the company's tools are free from defects in workmanship and material.

BHCP will repair or replace its tools, which fail to give satisfactory service, due to defective workmanship or material. Repairs or replacement should be at the election and expense of BHCP and is your exclusive remedy in place of all other rights and remedies.

Plastic tool components are warranted for as long as you own your tools.

Metal components are a consumable product. A consumable product is warranted at the time of sale, only against defects in workmanship and materials that prevent its use.

Consumable products are goods reasonably expected to be used up or damaged during use including, but not limited to core bits, strip core bits, jacket strip blades, CPT series blades, gator teeth and crimp and compression tools, links and pins.

BHCP shall not be liable for any incidental, special or consequential cost or damages incurred by the purchaser or others (including without limitation, lost profits, revenues, anticipated sales, business opportunities, goodwill or interruption of business and any other injury or damage).

We reserve the right to make changes in design or construction at any time, without incurring any obligation in incorporating such changes in tools previously sold.

We also reserve the right to discontinue the manufacture or offering for sale through our exclusive distributors of any tools at such time as we consider necessary.

We cannot accept responsibility for tools which have been abused, worn, altered, repaired by others or used incorrectly.

To make a claim, call Cable Prep toll-free at 800-394-4046. Upon authorization, US Customers may ship product prepaid to Ben Hughes Communication Co., 207 Middlesex Ave., P.O. Box 373, Chester, CT 06412. Customers outside continental US must ship product to point of purchase. Damage occurring during transit is not covered by this warranty.

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Read instructions carefully. Tool performance is subject to the care and judgement exercised by the user, so a thorough review of the instructions presented in this guide is essential.

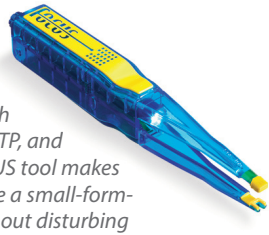
To view instructional videos, visit our website: www.cableprep.com.

To order parts, or additional products, contact your distributor or visit our website: www.cableprep.com.

⚠ ***CAUTION:*** *THE BLADES USED IN CABLE PREP TOOLS ARE EXTREMELY SHARP. BE SURE TO KEEP YOUR FINGERS CLEAR OF THEM.*

⚠ ***CAUTION:*** *ALWAYS WEAR EYE PROTECTION WHEN USING ANY HAND TOOLS.*

FOCUS™ Fiber Optic Connector Insertion and Removal Tool



Specially designed for servicing high density patch panels in Central Office, FTTP, and OSP applications, the FOCUS tool makes it easy to insert and remove a small-form-factor (SFF) connector without disturbing adjacent connectors.

Operating Instructions

1. Locate the round light switch at the back end of the tool. Depress and release to turn on; depress and release again to turn off. Always turn the tool off once work is completed.
2. Note the yellow-tipped jaws. They are ridged on the inside to work well with **SC Connectors**. Also one is square and the other notched primarily for use with **LC Connectors**.
3. Hold the tool in the palm of your hand with the On/Off switch towards your wrist and your thumb centered on one of the jaws.
4. All connectors have a cable boot that extends from the body of the part. The boot protects the delicate end of the cable. Handle with care. **SC Connectors** have ridges and two sides of the body are wider than the other two. **LC Connectors** have a protruding latch that will lock the connector in place on the panel port.
5. **To set up a connector for insertion**, place the

part between the tool's jaws with the ferrule tip of the connector facing the open end of the jaws and the cable end of the connector facing the back end of the tool. For **SC Connectors**, position the connector so the tool's jaws are centered – not extending over either side – and will grasp the wide sides, aligning the ridges on the connector body with the tool jaw's yellow tips and ensuring the tips will close over the connector's ridge area and not the cable boot. For **LC Connectors**, make sure the latch lines line up with the notch on the tool's jaw before sliding the connector latch into the notch, aligning it with the back inside edges of the tool's tips. This prevents the tool from closing on the cable boot and ensures that it is not positioned too far forward on the connector, which would prevent proper latching when inserted.

6. Grasp the connector with the tool and hold firmly by exerting pressure on the jaws with your thumb. Avoid disturbing other connectors and cables as you carefully guide the connector towards the port, keeping the tool perpendicular (at a 90° angle) to the connector panel. For **SC Connectors**, once inserted into the port, apply forward pressure until you feel the connector is firmly seated before lessening your thumb's pressure to release the connector and carefully remove the tool. For **LC Connectors**, apply forward pressure until you hear or feel the connector latch snap into place then lessen your thumb's pressure to release the connector and carefully remove the tool.

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7. **To use the tool to remove a connector**, note

steps 1 through 4 then carefully guide the tool – not disturbing other connectors and cables – to firmly grasp the connector you wish to take out. For **SC Connectors**, be sure the tool's jaws will grasp the wide ridged sides on the connector rather than the cable boot. For **LC Connectors**, the square tip of the tool's jaws must be centered over the connector body's latch, not extending over either side of the connector and not closing on the cable boot.

8. Close the tool's jaws on the connector body by applying sufficient pressure with your thumb to firmly grasp the part. Be sure to keep the tool perpendicular (at a 90° angle) to the panel and carefully pull the connector and its attached cable straight back and out of the port without disturbing other cables and connectors. For **LC Connectors**, remember that the pressure you apply to the connector must be enough to release the latch from the port.
9. Remove the connector from the tool by releasing your thumb's pressure on the jaws.

To Change Batteries

1. Locate the round light switch at the back end of the tool. Grasp the switch firmly and pull the assembly out of the tool.
2. The light assembly has a tip where the bulb is located and a stainless steel body. The switch is attached to the battery cap, which has a long clip on the other end.
3. Hold the stainless steel body in one hand and

unscrew the battery cap with the other, turning it counter-clockwise.

4. Tip the old batteries out* and replace with new AAA alkaline batteries, inserting one into the body with the "+" end first followed by the second, also with the "+" end going in first.

5. Screw the battery cap back on by turning it clockwise until it is secure and can turn no further. Test the tool by turning the light switch on and off.

6. Insert the light assembly, bulb end first, into the large hole centered on the back end of the tool. As you do this, rotate the assembly so that the clip on the battery cap lines up with the small hole above the large center one on the tool.

7. Push the light assembly in as far as it will go into the large hole and with the clip going into the small hole.

**Batteries are hazardous material. Properly dispose of used batteries by following local regulations. Do not incinerate.*

⚠ ***CAUTION:*** *THIS TOOL IS* ***NOT*** *PROTECTED AGAINST ELECTRIC SHOCK AND SHOULD* ***NOT*** *BE USED ON LIVE ELECTRICAL CIRCUITS.*

💡 ***TIP:*** Fiber optic cable is sensitive to movement and can be easily damaged. Disturbing a "live" cable can disrupt signal or cause permanent damage, so when working on densely populated panels, this tool should be used to insert and remove fiber optic patch cables.

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FOC-200 Fiber Optic Stripper

The FOC-200 from Cable Prep is designed to strip 1.6 – 3mm fiber jacket down to the 600-900-micron buffer coating and 250-micron coating down to the 125 micron glass fiber.

Operating Instructions

1. Squeeze handles together and unlock tool.
2. The largest stripping notch accommodates many fiber jackets up to 3.0 mm diameter. Close the tool around the jacket and hold firmly as you strip off the jacket material.
3. If there is a Kevlar® central strength member, this must be trimmed with the the FOC-300 PN scissor tool.
4. The central notch is used to strip 900-micron tight buffer down to the 250-micron buffer coating.
5. The smallest stripping notch is designed to remove 250µm buffer to 125µm fiber.

TOOL CARE: Maintain the life and precision of your stripper by making sure the stripping notch is clear of debris prior to stripping.

CAUTION: *THIS TOOL IS **NOT** PROTECTED AGAINST ELECTRIC SHOCK AND SHOULD **NOT** BE USED ON LIVE ELECTRICAL CIRCUITS.*

FOC-300 Fiber/ Kevlar Scissors

Rust resistant, high-grade stainless-steel blades designed to cut Kevlar® with an integrated cable cutter, allowing installers to also cut a variety of other materials including soft metals such as aluminum and copper.

Operating Instructions

1. Grip tool in right or left hand and unlock by squeezing handles together to disengage locking mechanism.
2. When unlocked, the blades will open freely due to the unique spring-loaded design.
3. Trim Kevlar® central strength member using the lower serrated blade, which grips material in place and prevents sliding.
4. Lock tool with easy, one-finger operation to safely keep tool closed when not in use and to prevent blade edges from damage during storage.

⚠ ***CAUTION:*** *THIS TOOL IS **NOT** PROTECTED AGAINST ELECTRIC SHOCK AND SHOULD **NOT** BE USED ON LIVE ELECTRICAL CIRCUITS.*

NOTE: Large, radial cutting notch can be used to cut fiber cable, individual fiber, kevlar, fiber glass strength member, phone & data wire and many other soft copper or aluminum wire.

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NOTE: Not recommended for wire large than 6 gauge, and **not for steel**.

NOTE: Adjustable lock nut allows for tightening of scissors for longer tool life.

NOTE: Use an industry approved cable gel cleaner or degreaser to clean residue on the cutting edges after use on cables containing water blocking gel.

TIP: Hole in front handle allows for carabine attachment.

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