

# ACS+ ARMORED CABLE SLITTER

## Instruction Sheet

Patent Pending

**Warning! This tool should not be used on live electrical circuits. It is not protected against electrical shock!** Always use OSHA/ANSI or other industry approved eye protection when using tools. This tool is not to be used for purposes other than intended. Read carefully and understand instructions before using this tool.

The ACS+ tool is designed to work on jacketed or jacketed-armored multi-fiber cable. Its main purpose is to gain midspan or end access to loose tube fibers by slitting the outer jacket or jacket-armor on OSP cables.

### Features

- Lightweight material and T-handle design for improved grip and leverage
- Special alloyed tool steel blade, hardened to cut steel armoring
- Precision blade depth adjustments in 0.1mm (.004") increments
- Cam activating lock knob to secure cable in the tool
- Universal roller wheel accommodates 4mm - 28.6mm diameters (.157"-1.125")
- Longitudinal, Ring, and Spiral cut blade positions

### OPERATING INSTRUCTIONS:

#### A. Determine cable construction.

1. Multi-fiber cable construction may have a strength member that is internal and adjacent to the fibers or external and adjacent to the armor and jacket. To avoid tool and cable damage, first determine the cable construction.

#### B. Set the blade.

1. The tool will be shipped with the slitting blade retracted. With a sample piece of cable as a guide, the slitting blade depth setting can be made. Rotate knob "A" to adjust the blade depth. Each indexed turn moves the blade depth 0.1mm (.004"). A full turn moves the blade depth 1.1mm (.042"). When the blade is set properly, the tool will create a "zipper" sound on armored cable. Avoid setting the blade too deep so to protect underlying layers.

#### C. Tool operation. (LONGITUDINAL CUT) Follow steps 1-6 for cable with internal or external strength member.


1. Loosen the black thumb knob "B" completely. Rotate the blade assembly to the longitudinal position with the Blade Adjusting Lever. The longitudinal position is marked on the tool and denoted in this picture.
2. Place the cable in the tool opening. Lock the roller on the cable with yellow lock knob "C" for a snug fit.
3. Tighten the black thumb knob down to seat the blade for longitudinal cuts.
4. Pull the tool down the length of cable to be stripped. If working on an external strength member cable with a "lay", the tool will follow the hardened strength members and slightly spiral down the cable. Allow the tool to follow the strength member.
5. Loosen the black thumb knob and rotate the tool 180° about the cable. Re-tighten the black knob and perform a second longitudinal cut.
6. The cable is now ready to be split open with pliers or a screwdriver and trimmed.

As noted above, a full understanding of the fiber construction should be gained. Certain fiber constructions and strength members can make it difficult or impossible to make ring or spiral cuts.

The following additional steps apply to cables with internal strength members. (RING CUT)

7. A ring cut operation can be performed at any point on an appropriate cable. Slide the tool to the desired position. Loosen the black thumb knob "B" completely, swing the blade assembly 90° to the ring setting, re-tighten the black knob to seat the blade.
8. Rotate the tool about the cable to perform a ring cut.

### Blade Replacement:

- Remove Depth Adjusting Knob A by turning counter clockwise
- Remove Slitting Blade
- Align the replacement blade carefully to properly insert it into the tool. The blade is D shaped  and the inside of the tool has a similar shaped opening.
- Re-assemble Knob A
- **Replacement Blade: CB 251K p/n 37884**



**WARRANTY:** RIPLEY warrants its products against defective materials and workmanship for a period of one year from date of shipment from the RIPLEY factory provided the product is utilized in accordance with instructions and specified ratings.

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