ALL WIRE MATERIAL BY WEIDNER

# Mechanical Wire Strippers

## Cable Stripper

## PKR-1

- Fast, small, portable
- Precision circular and axial cut
- No wire or shield nicking
- Any insulation
- Window strips
- Safe and easy to use
- Low cost

***PKR-1*** wire stripper & coaxial cable stripper is a precision and extremely versatile hand-operated cable stripping tool. It is designed to strip insulation ranging from .150" to .750" OD. It can strip a larger variety of wires and cables than any other wire stripping tool available. It will remove any type of insulation at any length, including window strips. Patented design incorporates interchangeable dies and cutters. Stock dies are available in .050" increments such as .300", .350", .400", etc. Wire cutters for different depths of cuts are color coded for easy identification. The range of available blade lengths is from .020" to .10" in .010" increments. Custom dies and cutters are available on special orders.

## SPECIFICATIONS:

***Wire Size*** — 0.15 in. (3.8 mm) to 0.75 in. (19 mm)

***Dimensions*** — 6 in. (153 mm) x 2 in. (51 mm) x 3.7 in. (94 mm)

***Weight*** — 7 ounces (.2 kg)

## Dies

P/N 0002- Followed by cable die size in inches.

(Example: P/N 0002-.500 is recommended for the cable size ranging from .451" to .501" OD and die P/N 0002- .350 ranging from .301" to .351 OD)

## Additional PKR Cutters (Pkg. of 5)

| Color | Razor Point Length | Part Number |
|---|---|---|
| Red | .020" | 0001-020 |
| Orange | .030" | 0001-030 |
| Yellow | .040" | 0001-040 |
| Green | .050" | 0001-050 |
| Blue | .060" | 0001-060 |
| Purple | .070" | 0001-070 |
| Gray | .080" | 0001-080 |
| White | .090" | 0001-090 |
| Black | .100" | 0001-100 |
| Pink | Custom | Specify Blade Length |

## Additional PKR-1 Dies

| | |
|---|---|
| P/N 0002-.150 | P/N 0002-.450 |
| P/N 0002-.200 | P/N 0002-.500 |
| P/N 0002-.250 | P/N 0002-.550 |
| P/N 0002-.300 | P/N 0002-.600 |
| P/N 0002-.350 | P/N 0002-.650 |
| P/N 0002-.400 | P/N 0002-.700 |
| | P/N 0002-.750 |

AWM Weidner
Kettemerstr. 25
70794 Filderstadt
Tel.: 0049 711 7009503
Fax: 0049 711 7009504

info@awm-weidner.de
www.awm-weidner.de
www.allconnectors.de

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## OPERATION OF CABLE STRIPPER PKR-1

### CIRCULAR CUT

The selected die size should closely match the diameter of the cable. The cable OD should not exceed the size of the die. This can cause an excessive friction between the cable and the die, thus inhibiting rotation of the tool. (Correct die can be ordered from PATCO.)

The die is inserted into the tool and secured with provided thumb screw. The correct alignment is assured by provided keyway.

Properly-sized, disposable cutter is selected depending on the cable insulation thickness. All cutters are color coded for easy identification.

Once selected, the user need only remember the cutter's color. When the cutter becomes dull and requires replacement, it is simply replaced with a cutter of the same color. No adjustments and trial cuts are necessary.

The cutter is inserted into the tool followed by a tension spring and a black thumb screw which provides variable cutter tension. Too much tension can make the closure and rotation of the stripper difficult; not enough tension will inhibit sufficient insulation penetration. The side of the cutter with holes and a slit must face the latching mechanism when inserted into the tool. (Fig.1) The tool will cut in one direction only!

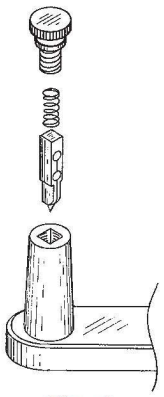

*Fig. 1*

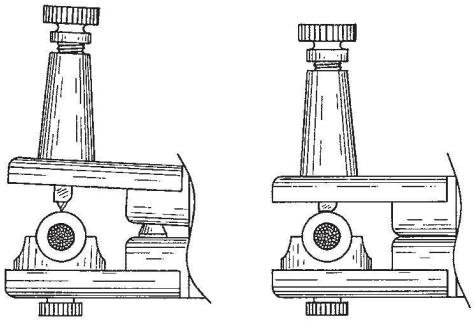

*Fig. 2*

The tool will open by releasing the thumb latch. The cable is placed into the groove designated for a radial cut. The desired stripping length can be selected by making a mark on the cable prior to insertion or just by using visual judgment. Closing the tool will cause the cutter to penetrate the insulation and latch its self on the cable. The razor point will penetrate the insulation and the spring loaded cutter will automatically adjust for the cable height. (Fig. 2) Different types of insulation will require different tension settings.

The cable should be held firmly as close as possible to the die. The tool is rotated downward once around. (Fig. 3)

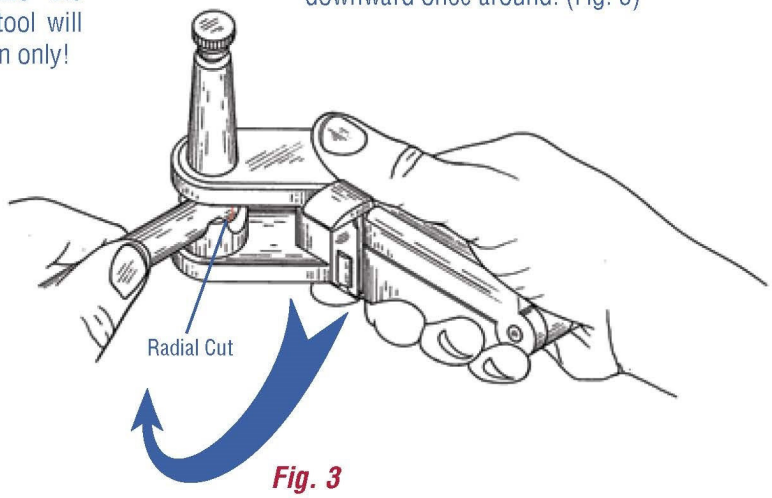


*Fig. 3*

AWM Weidner
Kettemerstr. 25
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info@awm-weidner.de
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Please note that any side pressure on the tool while it is being rotated can produce an undesirable spiral cut.

A properly selected cutter will not penetrate the insulation completely and will leave a thin layer of insulation uncut. The insulation should break after the cable is bent.

Short sections of insulation can be removed by bending the cable in the cut area to break loose the insulation, and then pulling it off by hand. If it cannot be removed easily, an axial cut can be made and insulation peeled off. (Some types of insulation may require two axial cuts, each on the opposite side of the cable to simplify removal.)

## AXIAL (LENGTHWISE) CUT

Cable is placed into a smooth groove designated for an axial cut so the razor point penetrates the insulation just below the previously made radial cut. The tool is latched on the cable and simply pulled off lengthwise, slitting the insulation. (Fig. 4)

The insulation is peeled off starting at the end of the slit cable.

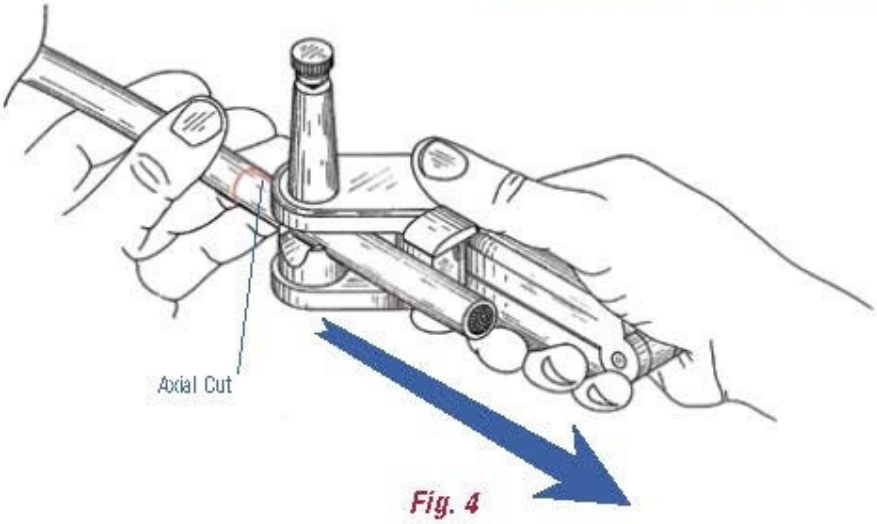


*Fig. 4*

## PKR-13

Complete kit includes Carrying Case, 13 Dies and 9 cutters.

Dies range from 0.150" to 0.750" in 0.050" increments. The stripping tool will strip any cable ranging from 1/8" O.D. to a maximum of 3/4" O.D.

The depth of cut for the disposable cutters is from 0.020" to 0.100" in 0.010". increments.

Custom dies and cutters are available on special orders.

## SPECIFICATIONS:

***Case Size*** — 11" x 11" x 3.25"

***Weight*** — 2.5 lb.

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