

BUTTING AND STRIPPING
 GENERAL INFORMATION AND TOOLS

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1. GENERAL

1.1 Scope of Section

1.11 This section covers the tools, supplies and general information pertaining to the butting and stripping of PVC covered switchboard cable. The methods and requirements are covered in Section 410 and 411.

2. GENERAL INFORMATION

2.1 Purpose of Butting and Stripping

2.11 The practice of butting and stripping cables is necessary to remove a sufficient amount of sheathing from the cable to permit the forming of the wires.

2.2 Types of Cable Strippers

2.21 The two main types of cable strippers are the single and double. These are made by removing the sheathing from portions of cables, as shown in Figure 1.

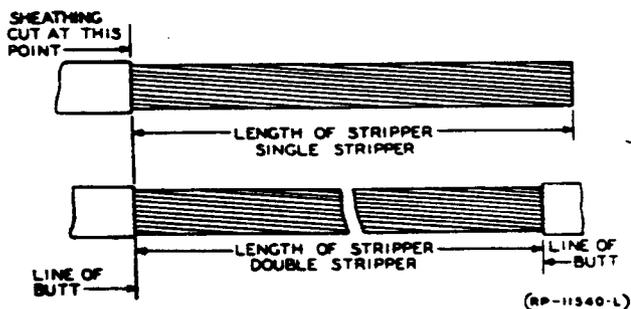


FIG. 1 SINGLE AND DOUBLE STRIPPERS
 (PAR. 2.21)

3. TOOLS

3.1 Necessary Tools and Supplies

3.11 The tools and supplies used for butting and stripping PVC covered switchboard cable are as follows:

3.111 Tools

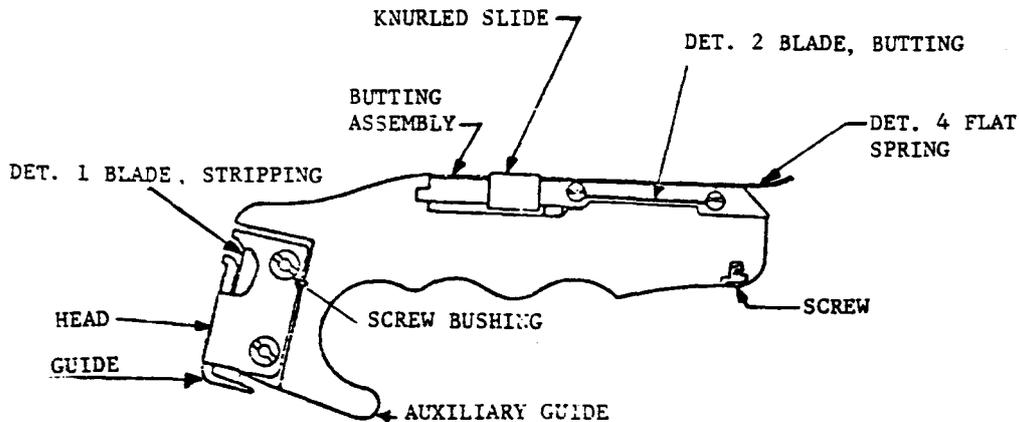
- R-4366 Butt and Stripper, Cable
- R-4366 Blades, Replacement, Package Det. 3
- R-4366 Spring, Flat, Replacement Det. 4
- R-1682 Scissors, Electricians, 5" Serrated
- R-1514 Shears, Cable
- R-4131 Cutter, Cable 8"
- R-3674 Stapler, Plier
- R-2726 Bag, Cable Sheathing

3.112 Supplies

- R-2916 Twine
- Purchase Pencil, Lead
- Locally
- R-3675 Staples, 3/8"

3.2 Tools Description and Information

3.21 The R-2726 Cable Sheathing Bag is a 24 inch high flameproof canvas bag for holding cable ends and sheathing during cabling operations. It is provided with 2 straps at the top of the apron for hanging the bag on framework.



RP-1003-H

FIG. 2 R-4366 CABLE BUTT AND STRIP TOOL
(PAR. 3.22 - 3.24)

3.22 The R-4366 Cable Butt and Strip Tool is a red plastic handle with two razor blades, one for butting and one for stripping PVC switchboard cable sheathing (Figure 2).

3.221 On the back of the handle is a flat tensioning spring (Det. 4) and a razor blade (Det. 2) for butting the cable sheathing by making a circumferential cut in the sheathing. The razor blade is mounted so that its cutting edge is exposed to a depth comparable to the thickness of the cable sheathing. The blade is adjustable for 20 or 30 mil. thick sheathing by rotating the two cam screws in accordance with instructions imprinted on the tool. The tool has a knurled slide which is used to adjust the spring pressure on the cable when cutting the sheathing.

3.222 On one end of the handle is a guide, auxiliary guide, and a razor blade (Det. 1) for stripping the sheathing from the cable. The razor blade cuts the sheathing as the tool is moved along the cable. This tool is used for stripping the sheathing from all sizes of PVC covered switchboard cable.

3.23 The blade for butting (Det. 2) has a single cutting edge and is replaced by removing the single screw in the end of the handle. Lift the complete butting device from the handle and carefully replace the blade.

3.231 The blade for stripping (Det. 1) is double edged and may be inverted to obtain a new cutting edge. To invert or replace the blade remove the two screw bushings (Figure 2) and carefully slide the guide, the stainless steel head, and the blade from the handle.

3.232 Whenever the blade for stripping (Det. 1) is changed, clean any accumulation from the slot in the guide to permit the blade to be fully seated. Use a pin or similar sharp object. The slot is cut to a depth sufficient to normally cover the bevel of the blade. When reassembling the tool, the two screw bushings are to be tightened only enough to hold them firmly.

3.2321 Replacement blades are supplied as a set consisting of one butting blade and one stripping blade.

3.24 The flat tensioning spring (Det. 4) is replaced by loosening the single screw in the butting device assembly and slipping the spring from under the knurled slide. The blade will be exposed when the spring is removed. To avoid personal injury, handle the tool carefully and do not use it for stripping until a new flat spring is installed.

3.25 The R-1514 Cable Shears and R-4131 8" Cable Cutters are used during the butting and stripping operation to cut off any excess length of cable.

No arrows are shown due to extensive changes.

REASON FOR REISSUE:

To add R-4366 Cable Butt and Strip Tool and delete obsolete tools.

Engineering Planning Manager
(Installation)