

WIRE WRAPPERS

DESCRIPTION

TOOLS

1. GENERAL

1.01 This section covers coded and noncoded Bell System wire-wrapping tools.

1.02 Revision arrows are used to emphasize significant changes. The Equipment Test List is not affected. The reasons for reissue are listed below:

- (a) To add the KS-22681 wire-wrapping tool.
- (b) To rate the 635B wire-wrapping tool Mfr Disc.
- (c) To update this practice to standard format.

2. DESCRIPTION OF TOOLS

2.01 635B: The 635B wire-wrapping tool (manually rotated type) is rated Mfr Disc. and is replaced by the KS-22681, L1, wire-wrapping tool.

2.02 KS-16363, L1, L2, and L3: The KS-16363, L1 (Mfr Disc.), L2 (Mfr Disc.), and L3 wire-wrapping tool (Fig. 1) has an insulated, plastic casing. This hand-operated tool is primarily used for making solderless-wrapped connections on "live" and nonworking equipment. This model features a finger-operated chuck which is compatible with the KS-20963 sleeves. Wrapping bits and stationary sleeves must be ordered separately for use with this tool. Refer to Section 074-205-114 for the wrapping bits to be used with this wire wrapper. Refer to Section 074-256-141 for wrapping sleeves to be used with this wire wrapper.



Fig. 1—KS-16363, L3 Wire-Wrapping Tool

2.03 KS-21232, L1 and L10: The KS-21232, L1, is a wire-wrapping gun and the KS-21232, L10, is the carrying case used for storing the KS-21232, L1, wire-wrapping gun.

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

(a) **KS-21232, L1:** The KS-21232, L1, (Fig 2) is an electric wire-wrapping gun used for 20-gauge through 30-gauge wire. This tool is a light-weight pistol shaped, double insulated, 115-volt ac powered gun with a 20-foot cord. A low transient voltage output permits its use on or near "live" equipment, including Electronic Switching Systems. Bits and sleeves that are currently standardized for 22-, 24- and 26-gauge wire may be used in this gun. Bits and sleeves for 28- and 30-gauge wire are available commercially as shown in Table A.



(b) **KS-21232, L10:** The KS-21232, L10 (Fig. 3) is a fiber case that is 11 inches long, 9 inches wide, and 3 inches deep. The KS-21232, L10 case must be ordered separately. Refer to Section 074-208-110 for detailed description of this case.

Fig. 2—KS-21232, L1 Wire-Wrapping Gun

TABLE A

WIRE GAUGE	WRAPPING BIT	WRAPPING SLEEVE
22	KS-16734, L1	KS-20963, L2
24	KS-16734, L1	KS-20963, L2
26	KS-16903, L1	KS-20963, L3
28*	Gardner-Denver Co. 509278 or OK Machine & Tool Co. WB28SHM	Gardner-Denver Co. 507100 or OK Machine & Tool Co. P3032
30*	Gardner-Denver Co. 507063 or OK Machine & Tool Co. WB30SHM	Gardner-Denver Co. 507100 or OK Machine & Tool Co. P3032
30†	Gardner-Denver Co. 501381 or OK Machine & Tool Co. WB30MLD	KS-20963, L3

*For 0.025 square terminal.

†For 0.045 square terminal.



Fig. 3—KS-21232, L10 Carrying Case

2.04 ♦KS-22681, L1: The KS-22681, L1, wire-wrapping tool (Fig. 4) is used for wrapping 22- and 24-gauge wire. It is used for making wrapped connections subsequently to be soldered or for limited use for solderless wrapped connections in cross-connection fields of markers, number group, and translator frames of No. 5 crossbar offices. The handle is made of hexagonally shaped red plastic for easy visibility and gripping. The handle is designed to permit two-handed uninterrupted turning of the wire around the terminal which provides a tighter connection in less time. The wrapping bit is insulated. The sleeve contains an external marking for easy location of the wire slot.♦

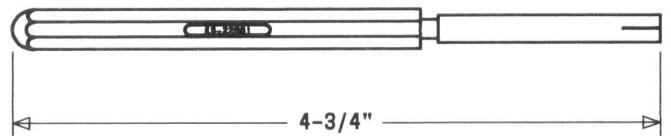


Fig. 4—KS-22681, L1 Wire-Wrapping Tool