

INSTRUCTION No. 4 FOR USING NO. 17-BA NICOPRESS® TOOL

This tool has two uses. One is for splicing electrical conductors. The other is for making mechanical splices and terminations for steel cables. The two uses will be covered separately.

SPLICING ELECTRICAL CONDUCTORS

The NO. 17-BA tool is for splicing the conductors listed in the following table:

SLEEVE STOCK NUMBERS FOR DROP, BRIDLE AND INSIDE WIRES

GAUGE AND WIRE	SLEEVE STOCK NUMBER	NO. 17-BA TOOL GROOVE	NUMBER OF PRESSES EACH HALF SLEEVE
17-18 AWG Copper 17-18-18½ AWG Copper Covered Steel 17 AWG Bronze	3-045-B	Inner (B)	3
16 AWG Copper 16 AWG Copper Covered Steel	3-051-B		
14 AWG Copper	3-064-B		
18-19 BWG Ironite	4-049-B		
19-20-22 AWG Copper	3-036-A	Outer (A)	2
20 AWG Copper Covered Steel 20 AWG Bronze	3-032-A		3
22 AWG Copper 24 AWG Copper Covered Steel	1-025-A		2

When splicing parallel-pair wire, first separate the wires for 2 inches or more. Then skin each wire for about 5/8 inch and clean with abrasive.



Place sleeves on one pair of wires. Using the No. 17-BA tool make a hard press next to the center mark of each sleeve. Then continue pressing each sleeve towards the end until the require number of presses are made.



Insert ends of the other pair of wires into the sleeves and again make one hard press on each sleeve next to the center mark. This locks the wires at equal lengths. Then complete the splice by adding the required presses on each sleeve.



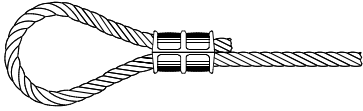
Splice and tape each wire separately. Stagger the splices to improve electrical insulation. Cover the entire splice with tape.



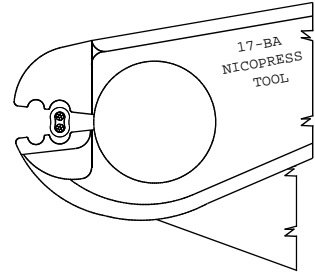
MECHANICAL SPLICING AND TERMINATING OF FLEXIBLE CABLES

MAKING EYE AND LAP SPLICES WITH *NICOPRESS* OVAL SLEEVES

To make EYE SPLICES pull enough cable through the sleeve so that the end will still protrude after the sleeve is pressed. Line up the sleeve between the tool jaws as shown with the long axis crosswise to the jaws.



LAP SPLICES can also be made with *Nicopress* Oval Sleeves. Usually 2 sleeves are needed to develop a full strength splice. A short space should be kept between the sleeves as shown.



Apply the two presses specified in the following table. Space presses as shown above.

Proof testing is recommended whenever the possibility of personal injury or property damage exists.

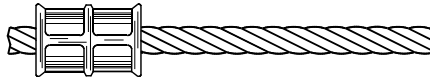
	SLEEVE NUMBER	TOOL NUMBER	PRESSES REQUIRED
1/32	17-1-B; 27-1-B	17-BA	2 GROOVE B

MAKING TERMINATIONS WITH *NICOPRESS* STOP SLEEVES

Cut cable with a sharp, notched, shear type cutter. Thread cable through sleeve so it extends a good 1/16".

Apply the two presses specified in the following table. Space presses as shown below.

Proof testing is recommended whenever the possibility of personal injury or property damage exists.



CABLE SIZE	SLEEVE NUMBER	TOOL NUMBER	PRESSES REQUIRED
1/32	871-32-B	17-BA	2 GROOVE B