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1.	GENERAL	
1.01	This section lists and illustrates the materials and tools required for joining and terminating air-dielectric coaxial cables.	
1.02	This section has been reissued to:	
	Incorporate the B coaxial tube cutter, the 047 coaxial cutter has been rated manufacture discontinued (MD).	
2.	DESCRIPTION AND USE OF COAXIAL MATERIALS	
2.01	The description and use of coaxial materials are outlined in Tables A through G.	

Remove references to cloax coaxial cable.

Incorporate the K-375 coaxial splice scale. The E-375 and G coaxial splice scales have been rated manufacture discontinued (MD).

The D-375 sleeve roller has been rated manufacture discontinued (MD).

Since this is a general revision, change arrows have been omitted.

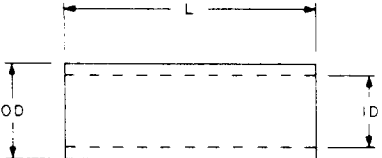
DESIGNATION					USES
 BUSHING, COAXIAL, (TYPE)(AT-8153)					For joining 0.270-inch SS coaxials. B-270 — Positioned under the outer conductor of 0.270-inch coaxial to support the rolled portion of the sleeve.
TYPE	L (IN.)	ID (IN.)	OD (IN.)	MATERIAL	
B-270	3/4	0.235	0.266	PLATED STEEL	
B-375	1	0.334	0.374	PLATED STEEL	
					For joining 0.375-inch SS coaxials. B-375 — Position under the outer conductor to support the rolled or pressed portion of the sleeve.

TABLE B
RINGS

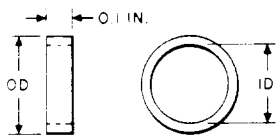
DESIGNATION				USES
 RING, COAXIAL, (TYPE) (AT-8157)				B-270 — For securing the steel tapes of 0.270-inch SS coaxials. B-375 — For securing the steel tapes of 0.375-inch SS coaxials.
TYPE	ID (IN.)	OD (IN.)	MATERIAL	
B-270	0.344	0.406	COPPER	
B-375	0.468	0.530	COPPER	

TABLE C
DISCS

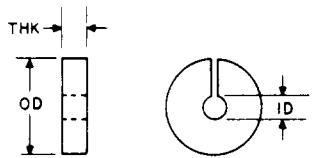
DESIGNATION				USES
 DISC, COAXIALS, (TYPE) (AT-8156)				For disc-insulated coaxial cable — to support the center conductor sleeve. B-270 — Used with 0.270-inch SS coaxial. B-375 — Used with 0.375-inch SS coaxial to support 100 S brass sleeve.
TYPE	OD (IN.)	ID (IN.)	THK (IN.)	MATERIAL
B-270	0.258	0.063	0.070	POLYETHYLENE
B-375	0.361	0.090	0.085	POLYETHYLENE

TABLE D
SLEEVES – CENTER CONDUCTOR

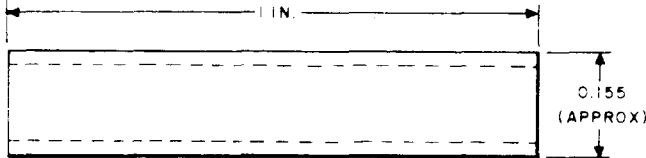
DESIGNATION	USES										
 SLEEVE, BRASS, S, (TYPE) (AT-7129) TYPE 072 100 COMBINATION 100 X 072	For joining the center conductors of the following disc-insulated coaxials using the B, C, or D sleeve presser: <table> <tr> <th>TYPE OF S BRASS SLEEVE</th><th>COAXIAL JOINT</th></tr> <tr> <td>072</td><td>0.270 to 0.270</td></tr> <tr> <td>100</td><td>0.375 to 0.375</td></tr> <tr> <td>Combination</td><td>0.375 to 0.270</td></tr> <tr> <td>100 X 072</td><td></td></tr> </table>	TYPE OF S BRASS SLEEVE	COAXIAL JOINT	072	0.270 to 0.270	100	0.375 to 0.375	Combination	0.375 to 0.270	100 X 072	
TYPE OF S BRASS SLEEVE	COAXIAL JOINT										
072	0.270 to 0.270										
100	0.375 to 0.375										
Combination	0.375 to 0.270										
100 X 072											

TABLE E
SLEEVES – OUTER CONDUCTOR

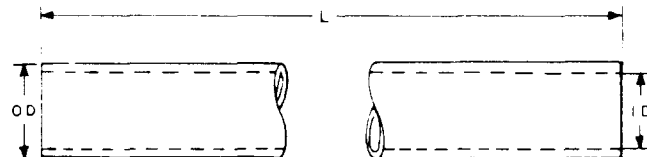
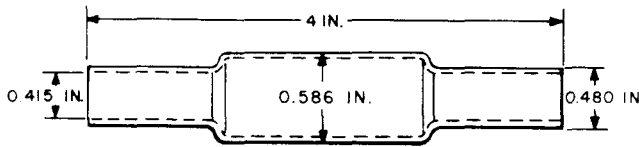
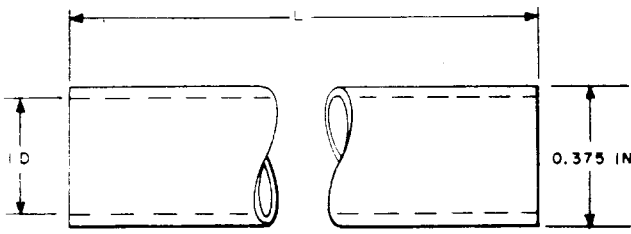
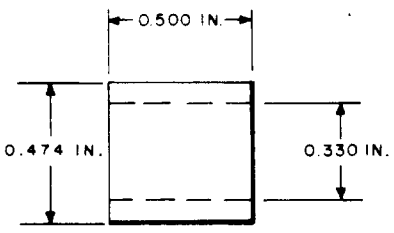
DESIGNATION	USES																									
	B-375 } For repairing the outer conductors of 0.375-inch SS coaxials. D-375 } C-375 — For securing the steel tapes of 0.375-inch SS coaxials.																									
SLEEVE, COAXIAL, (TYPE) (AT-8152, AT-8158)																										
<table><tr><th>TYPE</th><th>L (IN.)</th><th>ID (IN.)</th><th>OD (IN.)</th><th>MATERIAL</th></tr><tr><td>B-375</td><td>2-3/4</td><td>0.415</td><td>0.480</td><td>COPPER</td></tr><tr><td>B-375 X 270</td><td>2-3/4</td><td>0.415 X 0.312</td><td>0.474</td><td>COPPER</td></tr><tr><td>C-375</td><td>1/2</td><td>0.440</td><td>0.488</td><td>COPPER</td></tr><tr><td>D-375 *</td><td>6</td><td>0.415</td><td>0.480</td><td>COPPER</td></tr></table> * HAS SCORE MARKS 3/4 INCH FROM EACH END.	TYPE	L (IN.)	ID (IN.)	OD (IN.)	MATERIAL	B-375	2-3/4	0.415	0.480	COPPER	B-375 X 270	2-3/4	0.415 X 0.312	0.474	COPPER	C-375	1/2	0.440	0.488	COPPER	D-375 *	6	0.415	0.480	COPPER	B-375 X 270 — For connecting outer conductor of 0.375-inch SS coaxials to 0.270-inch SS coaxials.
TYPE	L (IN.)	ID (IN.)	OD (IN.)	MATERIAL																						
B-375	2-3/4	0.415	0.480	COPPER																						
B-375 X 270	2-3/4	0.415 X 0.312	0.474	COPPER																						
C-375	1/2	0.440	0.488	COPPER																						
D-375 *	6	0.415	0.480	COPPER																						
	G-375 — For joining the outer conductors of 0.375-inch SS coaxial. Use the K-375 coaxial sleeve for new installations.																									
SLEEVE, COAXIAL G-375 (AT-8152)																										

TABLE E
SLEEVES – OUTER CONDUCTOR (Cont)

DESIGNATION	USES																				
	B-270 } D-270 } For joining the outer conductors of E-270 } 0.270-inch SS coaxials.																				
SLEEVE, COAXIAL (TYPE) (AT-8154)	C-270 – For securing the steel tapes of 0.270-inch SS coaxials.																				
<table><tr><th>TYPE</th><th>L (IN.)</th><th>I.D (IN.)</th><th>MATERIAL</th></tr><tr><td>B-270</td><td>2.3</td><td>0.312</td><td>COPPER</td></tr><tr><td>C-270</td><td>0.5</td><td>0.330</td><td>COPPER</td></tr><tr><td>D-270</td><td>6</td><td>0.312</td><td>COPPER</td></tr><tr><td>E-270</td><td>4</td><td>0.312</td><td>COPPER</td></tr></table>	TYPE	L (IN.)	I.D (IN.)	MATERIAL	B-270	2.3	0.312	COPPER	C-270	0.5	0.330	COPPER	D-270	6	0.312	COPPER	E-270	4	0.312	COPPER	
TYPE	L (IN.)	I.D (IN.)	MATERIAL																		
B-270	2.3	0.312	COPPER																		
C-270	0.5	0.330	COPPER																		
D-270	6	0.312	COPPER																		
E-270	4	0.312	COPPER																		

	Copper sleeve C-375 x 270 – For securing the steel tapes of 0.270-inch SS coaxial when joining to 0.375-inch SS coaxial.
SLEEVE, COAXIAL, C-375X270 (AT-8158)	

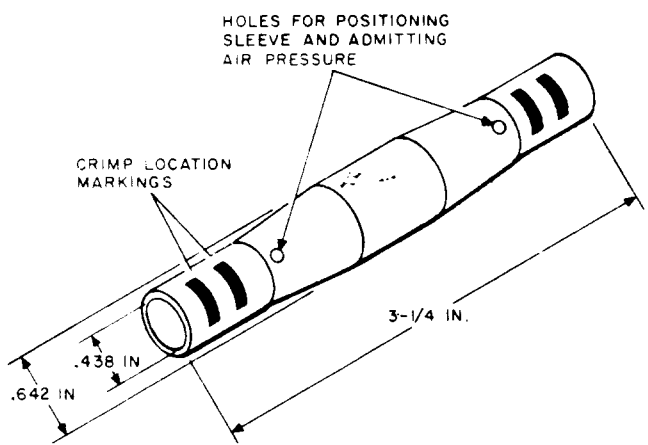
	This copper sleeve is used in splicing the outer conductors of 0.375-inch SS coaxials.
SLEEVE COAXIAL K375 AT-8578	

TABLE F
SUPPORT, COAXIAL

DESIGNATION	USES												
SUPPORT, COAXIAL (AT-8309) <table><tr><th>TYPE</th><th>OD (IN.)</th><th>WEIGHT (OZ.)</th><th>MATERIAL</th></tr><tr><td>B</td><td>4-1/4</td><td>2</td><td>PLASTIC</td></tr><tr><td>C</td><td>3-1/8</td><td>1-1/2</td><td>PLASTIC</td></tr></table>	TYPE	OD (IN.)	WEIGHT (OZ.)	MATERIAL	B	4-1/4	2	PLASTIC	C	3-1/8	1-1/2	PLASTIC	Support, B — For supporting 0.375-inch SS coaxials baskets at splices in 18-, 20-, and 22-coaxial cable. Support, C — For supporting 0.375-inch SS coaxials baskets at splices in cables having 12 or fewer coaxials.
TYPE	OD (IN.)	WEIGHT (OZ.)	MATERIAL										
B	4-1/4	2	PLASTIC										
C	3-1/8	1-1/2	PLASTIC										

TABLE G
MARKERS, COAXIAL

DESIGNATION	USES
Markers, Coaxial C and D (AT-8302)	Self adhering numbering tapes used to identify individual coaxial tubes: C markers 1 to 12 tube; D markers 1 to 22 tube.

3. DESCRIPTION AND USE OF COAXIAL TOOLS

3.01 The description and use of coaxial tools are given in Table H.

TABLE H
TOOLS

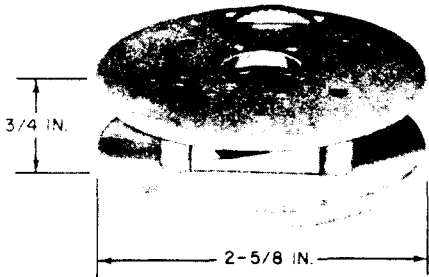
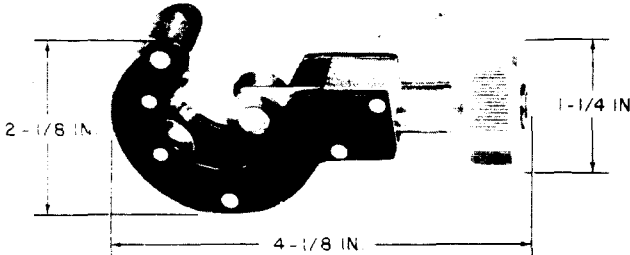
DESIGNATION	USES
 CUTTER, SLEEVE, COAXIAL, C (AT-7174)	Cutter, C — For making a spiral scoring in the B, C, D, E and the straight ends of the G and K coaxial sleeve to facilitate the removal of outer conductor sleeves when it is necessary to open joints in 0.270- and 0.375-inch coaxial conductors.
 CUTTER, SLEEVE, COAXIAL, D (AT-8349)	Cutter, D — For removing a section of outer conductor sleeve when it is necessary to open joints in 0.270- and 0.375-inch coaxial conductors.
 CUTTER, TUBE, COAXIAL, B (AT-8701)	Cutter, Tube, — For cutting coaxial tubes. Coaxial, B Replaceable blades are available.

TABLE H
TOOLS (Cont)

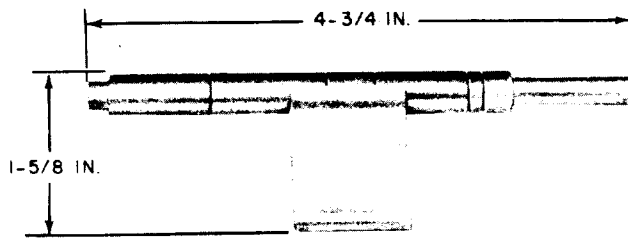
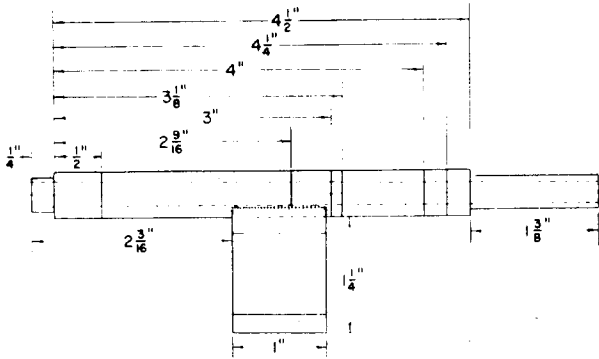
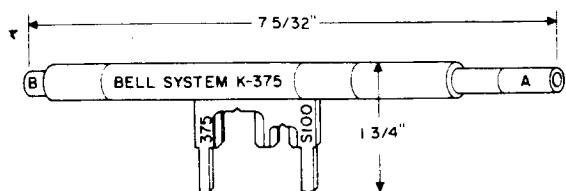
DESIGNATION	USES
 SCALE, SPLICE, COAXIAL, B-270 (AT-7177)	Scale, B-270 — For positioning insulating discs and reinforcing bushings, and for making splice measurements on 0.270-inch coaxial.
 SCALE, SPLICE, COAXIAL C-375 (AT-7177)	Scale, C-375 — For positioning insulating discs and reinforcing bushings, and for making splice measurements when joining 0.270-inch to 0.375-inch SS coaxials.
 SCALE, SPLICE, COAXIAL K-375 (AT-8722)	Scale, K-375 — For positioning insulating discs and reinforcing bushings, and for making splice measurements on 0.375-inch coaxial when using G-375 or K-375 sleeves.

TABLE H
TOOLS (Cont)

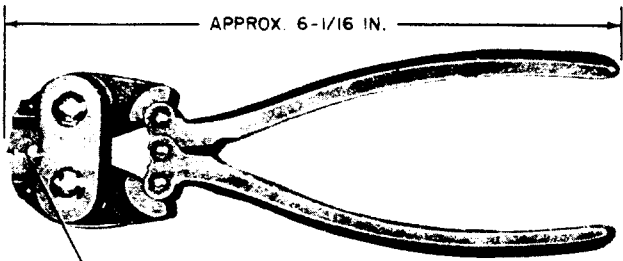
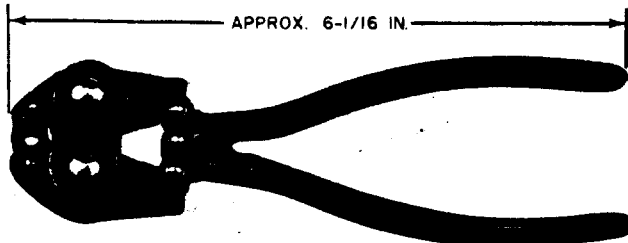
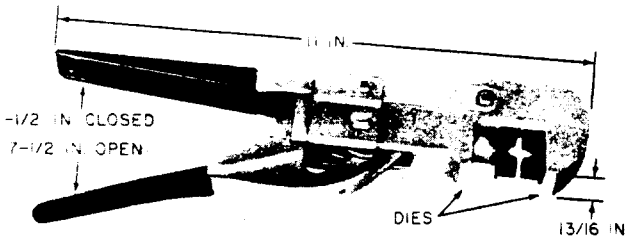
DESIGNATION	USES
 FOR 072S BRASS SLEEVES OR EQUIVALENT PRESSER, SLEEVE, B (AT-7149)	Presser, B — For crimping inner conductor sleeves on 0.270-inch SS coaxials.
 PRESSER, SLEEVE, C (AT-7149)	Presser, C — For crimping inner conductor sleeves on 0.375-inch coaxials.
 PRESSER, SLEEVE, F (AT-8588)	Presser, F — For crimping 0.375-inch coaxial outer conductor sleeves.

TABLE H
TOOLS (Cont)

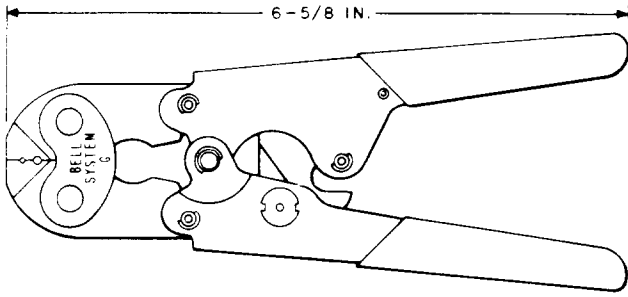
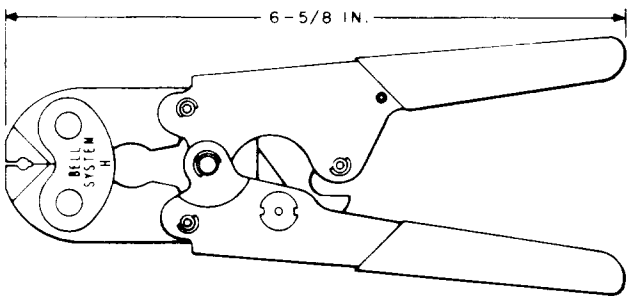
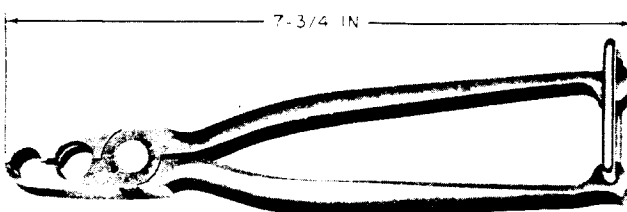
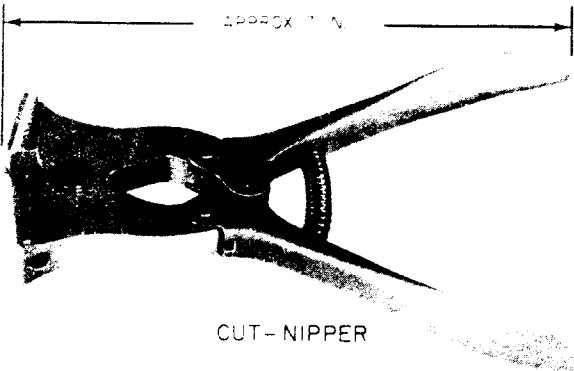
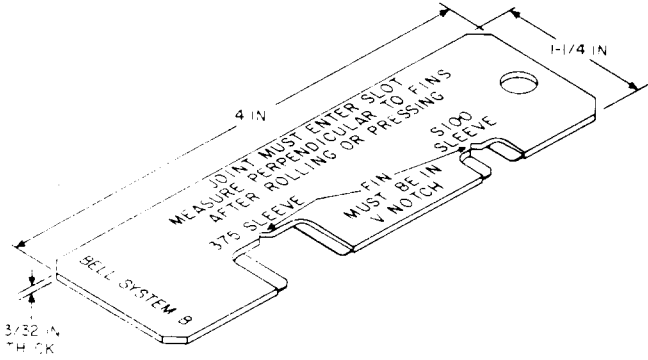
DESIGNATION	USES
 PRESSER, SLEEVE, G (AT-8737)	Presser, G — For crimping inner conductor sleeves in 0.270-inch SS coaxials. The G sleeve presser is an alternative tool for the B sleeve presser.
 PRESSER, SLEEVE, H (AT-8737)	Presser, H — For crimping inner conductor sleeves on 0.375-inch coaxials. The H sleeve presser is an alternative tool for the C sleeve presser.
 PLIERS, COAXIAL, (B-270 OR B-375) (AT-7175)	Pliers, B-270 — Used with 0.270-inch coaxial. Pliers, B-375 — Used with 0.375-inch coaxial. The jaws have two openings, one adjacent to the nose for use when forming and removing the outer conductor and to hold the steel tapes; the other is between the first opening and the pivot pin on the pliers and is used to crimp copper rings over the steel tapes.

TABLE H
TOOLS (Cont)

DESIGNATION	USES
 CUT-NIPPER	Cut-Nipper — Used to longitudinally cut 100S No. 1, 7-in. brass sleeves on the inner conductor of 0.375-inch coaxial to facilitate the removal of the 100S brass sleeve when repairing the coaxial. <i>Note:</i> This tool may be obtained commercially from L. S. Starrett Co., Athol, Massachusetts.
 GAUGE, COAXIAL, SLEEVE, B (AT-8558)	Gauge, B — To check performance of C and F sleeve presser and D-375 sleeve roller (not required when using K-375 coaxial splice scale).
Bond, Cable, C (AT-7133)	For temporary bond across splice to protect craftsman.