

RUNNING CABLE AND WIRE  
CONNECTORIZED CABLE

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1.	<u>GENERAL</u>
1.1	<u>Scope of Section</u>
1.11	This section covers the requirements and methods of running connectorized cables.
1.2	<u>General Information Pertaining to Arrangement of Tools, Precautions, Verifications, Specifications, and Drawings and Figures.</u>
1.21	Refer to Section 1 of this handbook for information pertaining to these items.

2.	<u>INSTALLING EQUIPMENT</u>
2.1	The tools and supplies normally required for running connectorized cables are listed in Section 200 of this handbook.

3.	<u>REQUIREMENTS AND METHODS</u>
3.1	<u>General Procedure</u>
3.11	In order to avoid damage to the connectorized end, run the cable toward the termination point of the unconnectorized end, except under the following condition.
3.111	When both ends of the cable are connectorized, or the location of the connectorized end is one or more floors below the termination of the unconnectorized end, leave the dust covers, if furnished, in place and place canvas protection around the connectorized end, and run this end first.

3.2	<u>Supports for Coils</u>
3.21	The R-3409 Coil Cable Dispenser shown in FIG 1 is a heavy duty collapsible turntable type dispenser for unreeling or rewinding coils of cable. The spindle (vertical) assembly is tapered for easy accessibility when placing cable on the dispenser. The combined height of coils of approximately the same length on the spindle should not exceed 20".
<u>NOTE:</u>	Difficulty will be encountered when running connectorized cable if coils of varying lengths are placed on the R-3409 Coil Cable Dispenser.

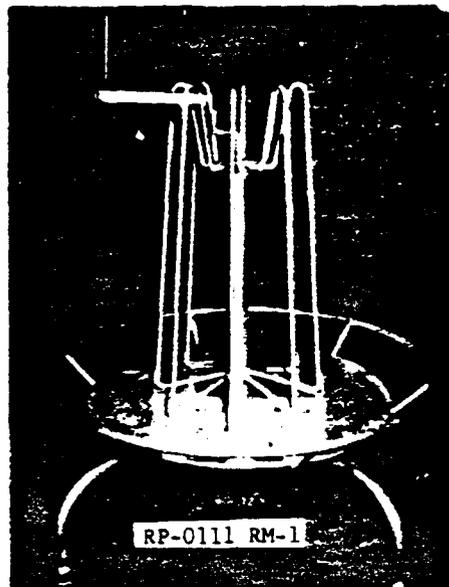


FIG. 1 COIL CABLE DISPENSER, R-3409  
(PAR. 3.21, 3.321, 3.322, and 3.323)

3.22 The R-4801 Dispenser Hub is available for smaller cable coils that will not fit on the standard R-3409 Cable Coil Dispenser. The standard R-3409 Hub can be removed and the R-4801 may be fastened in its place by tightening the "T" handle in the threaded opening. R-4801 Detail 2 spacers are provided to facilitate running more than one coil simultaneously. See FIG 2 for illustration.

NOTE: The original hub must be restored to the R-3409 Dispenser before shipping.

### 3.3 Using Coil Supports

3.31 Connectorized cables are furnished in coils or reels with the connectorized end appearing on either the inner or outer end.

### 3.32 Using the Coil Cable Dispenser

3.32i Load single coil cable (inner end connectorized) on the R-3409 coil Cable Dispenser and secure the connectorized end to the spindle if necessary. Several coils approximately the same length may be placed on the R-3409 Cable Dispenser for running at the same time. The total height of the coils should not exceed 20" (spindle height). Place the coils on the dispenser so that the outside unconnectorized end of each coil comes off the spindle in the same direction.

3.322 Load single coil cable (outer end connectorized) on the R-3409 Cable Dispenser, making sure the outside connectorized ends come off the spindle in the same direction. Pull the cable off onto the floor to reach the inner unconnectorized end of the cable before running onto the cable rack.

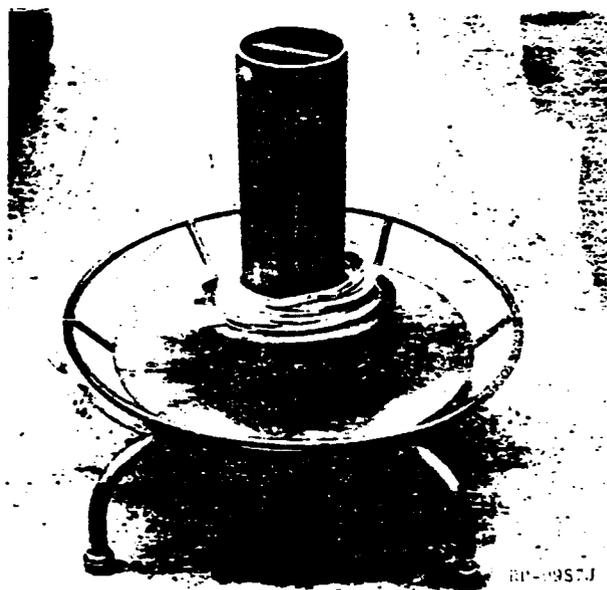


FIG 2 R-4801 HUB MOUNTED ON  
R-3409 DISPENSER BASE  
PAR 3.22

3.323 Load multicoil cables formed together to one connector assembly on the outer end as follows:

- (a) If space permits, place individual coil on the R-3409 Coil Cable Dispenser and pull cable off onto the floor to reach the inner unconnectorized end of the cable before running directly onto the cable rack. Repeat for each coil of cable connected to the same assembly.
- (b) If there is insufficient space to allow the cable to be run out onto the floor, place individual coils on the R-3409 and feed the loop from the connectorized end and the Cable Reel Dispenser onto the cable rack. Continue to feed the loop end along the cable rack until the unconnectorized inner end of the coil reached the termination location for the cable. Repeat for each coil connected to the same assembly.

→ Indicates new or changed information.

### 3.4 Running Cable

- 3.41 Run connectorized cable using the same procedure and observe the same preferred bending radii (see Section 211) as for bulk switchboard cable except as follows:
  - 3.411 Run in the first cable of a group to determine that the correct length has been furnished.
  - 3.412 Place and secure the butt at the connectorized end in its proper location before starting to work the slack back along the run.
  - 3.413 Work the slack in the cable along the run toward the unconnectorized end after the connectorized end has been located.
  - 3.414 Refer to Section 340 of this handbook for methods of securing connectorized cable at location between the cable rack and the cable butt.

Engineering Planning Manager  
Common Installation and Services

**Reason for Reissue:**

Added reference to R-4801 Dispenser Hub