

## **JACK, TELEVISION**

**SKL 964-16U**

### **1.00 INTRODUCTION**

This section identifies and gives connections and installation information for a television jack used for Educational TV (ETV), Closed Circuit TV, and Community Antenna TV (CATV).

### **2.00 IDENTIFICATION**

**2.01** The television jack is designated SKL 964-16U (Fig. 1).

**2.02** It is a coaxial-type jack used for connecting customer equipment to a closed circuit television circuit. A built-in network matches 75- to 300-ohms impedance.

**2.03** Customer equipment (such as a television receiver) connects to it by means of a 83-1SP Amphenol plug with 83-168 reducer or similar UHF plug.

### **3.00 INSTALLATION AND CONNECTION**

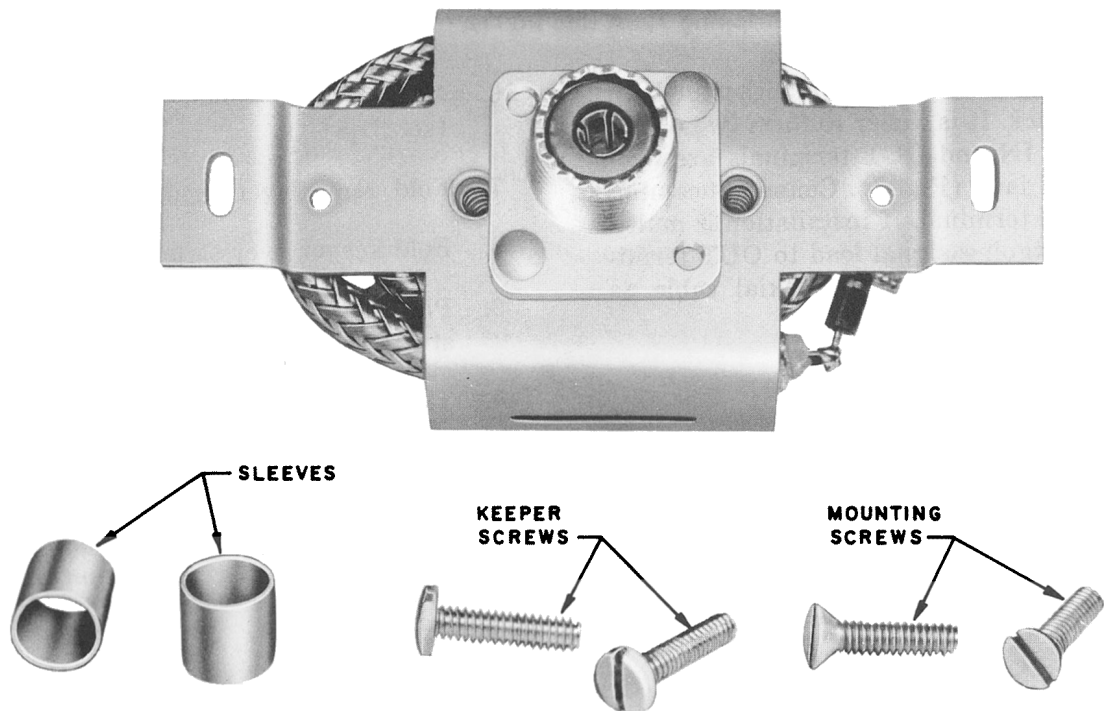
**3.01** The jack mounts in a standard electrical outlet box. Outlet box coverplates are used to cover mounted jack. A  $\frac{3}{4}$ -inch hole is required in the coverplate for UHF connector. Coverplate and outlet box are furnished by customer.

**3.02** Coaxial cables used to connect to this jack are:

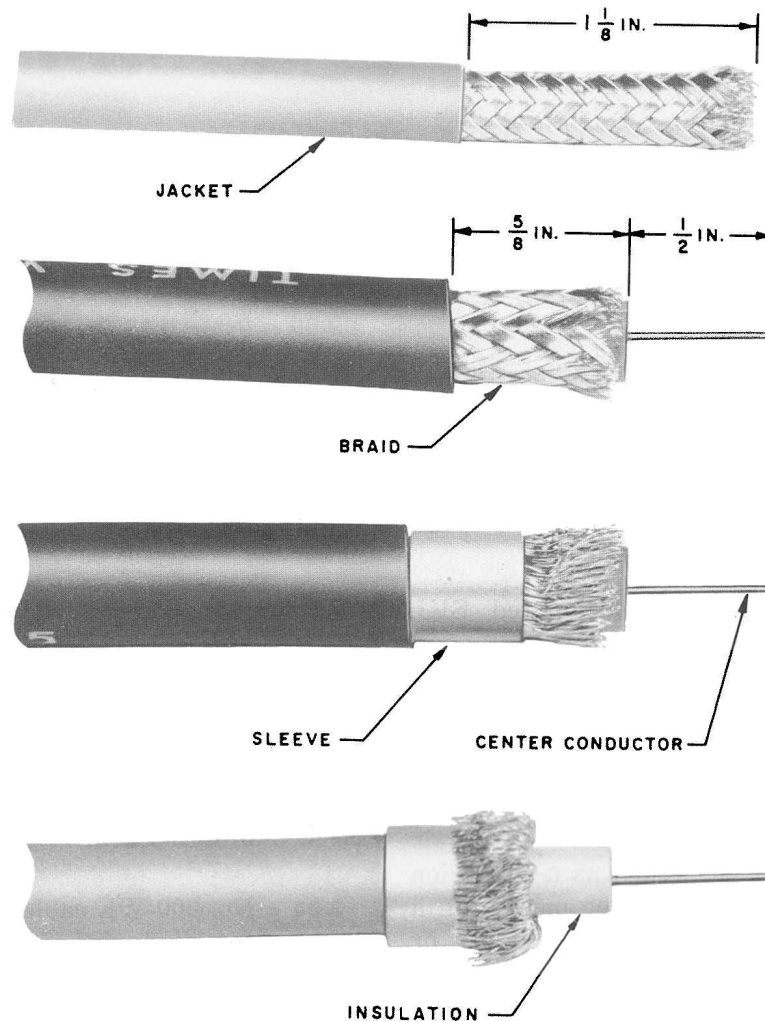
- 728A (Western Electric)
- RG11A/U (commercial type)

**3.03** At least 3 inches of cable should extend out of outlet box.

**3.04** No. 300-WE cable stripper kit may be used for preparing 728 cable for termination. See Plant Series Section 069-105-811 for use of kit.



**Fig. 1 — SKL 964-16U Coaxial Jack**



**Fig. 2 — Stripping 728A and RG11A/U Coaxial Cable**

**3.05** Cables may be formed from either or both ends of jack. It is easier to form two cables from same end. IN and OUT terminals are provided on back of jack (Fig. 3). Connect incoming signal lead to IN terminal. If installation is multi-jack, connect outgoing signal lead to OUT terminal. Strip and attach ends of coaxial cable as follows:

1. Refer to Fig. 2, 3, and 4.
2. Remove 1-1/8 inches of cable jacket.
3. Strip braid and insulation to expose 1/2 inch of center conductor.
4. Slip sleeve over braid and against end of jacket.
5. Fold exposed braid over sleeve.

6. Attach center conductor to proper terminal (see 3.08).
7. Fold strap over braid and sleeve.
8. Fold keeper over strap.
9. Place screw through holes in keeper and strap, then screw into tap.
10. Tighten screw securely.

**3.06** Mount jack in outlet box in usual manner.

**Caution:** Sharp bends in cable can crush center conductor insulation and cause trouble.

**3.07** Place faceplate over jack and attach screws.

- 3.08** When cable is already installed and no slack is available, crimp on a solderless lug on each conductor to make up loss of cable length.

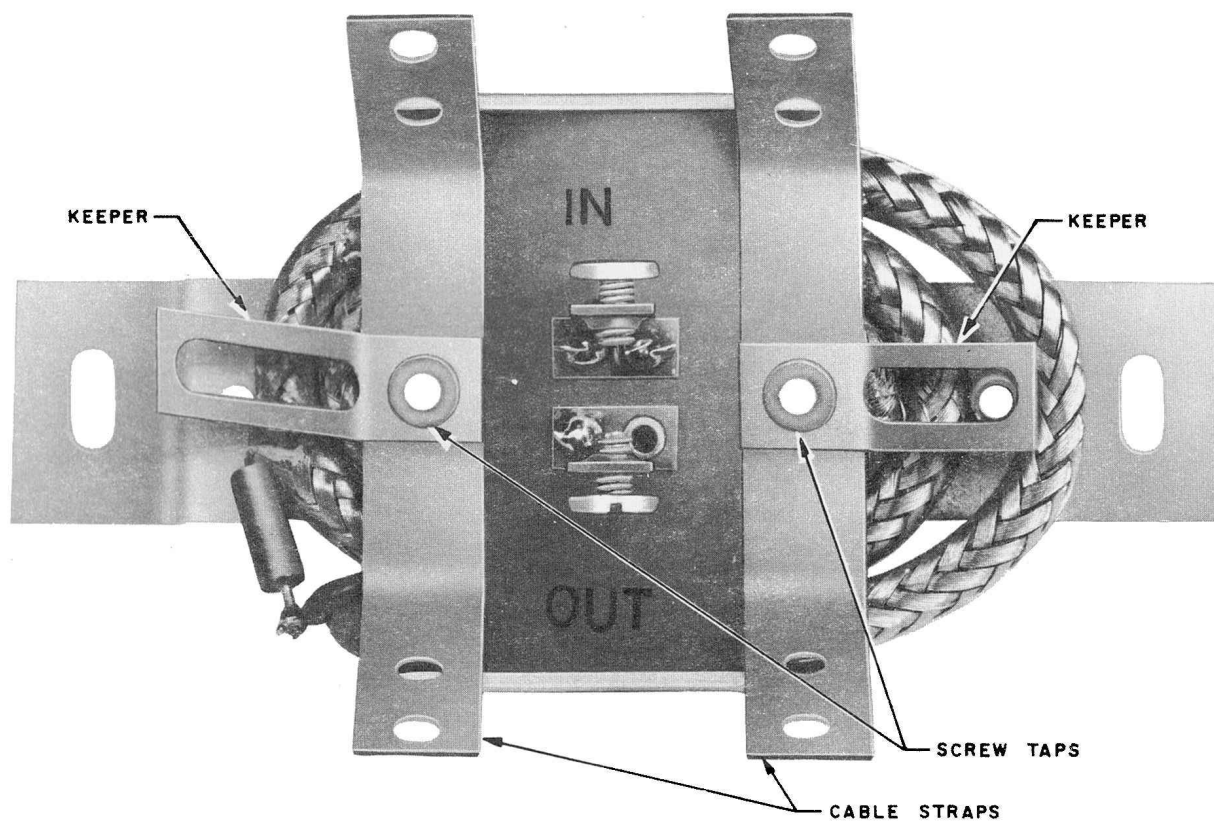


Fig. 3 — SKL 964-16U Jack, Rear View

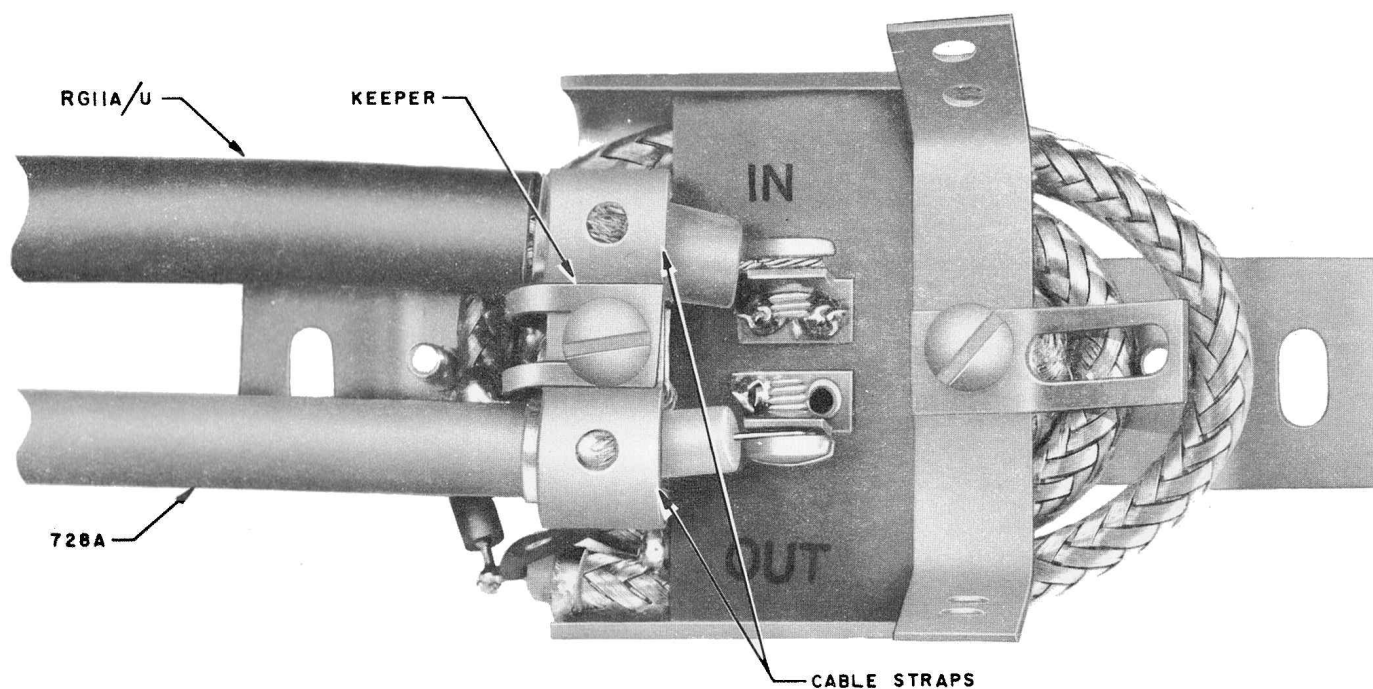


Fig. 4 — SKL 964-16U Jack with Cable Attached