

## PARTS LIST

KEY	NAME OF PART	PART NUMBER
14	OUTER CONDUCTOR .....	0874-0603
12	INNER CONDUCTOR .....	0874-0612
11	INSULATING BEAD .....	0874-0700
1	CABLE GUARD .....	0874-7642
7	RETAINING RING .....	0874-0810
2	COUPLING NUT .....	0874-0623
6	OUTER TRANSITION PIECE .....	0874-6317
5	INNER TRANSITION PIECE .....	0874-6367
4	DISK .....	0874-7580
3	FERRULE (Perforated-Green) .....	5240-4028
3	FERRULE (Perforated) .....	5240-4027
3	FERRULE .....	5240-0900

# Type 874-C8A CABLE CONNECTOR 50 OHMS

APPLICABLE CABLE TYPES: (50 ohm) RG-8A/U, 9B/U, 10A/U, 87A/U, 116/U, 156/U, 165/U, 166/U, 213/U, 214/U, 215/U, 225/U, 227/U.  
(Other) RG-11A/U, 12A/U, 13A/U, 63B/U, 79B/U, 89/U, 144/U, 146/U, 149/U, 216/U.

FORM 0874-0392-A, MAY 1962

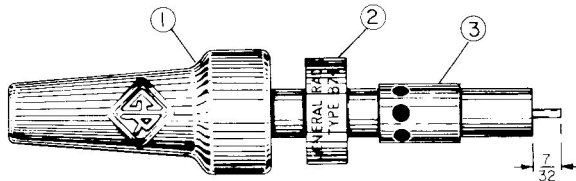
## SPECIFICATIONS

- FREQ RANGE: Dc to 7 Gc • MAX POWER: 200 w avg @ 1 Gc
- MAX VOLTAGE: 1000 v (peak) • CHAR IMPEDANCE: 50 ohms

(U. S. Patent No. 2,548,457)

**GENERAL RADIO COMPANY**  
WEST CONCORD, MASSACHUSETTS, U.S.A.

## ASSEMBLY



A. Slide rubber cable guard (1) over end of cable, small end first; use talc if necessary.

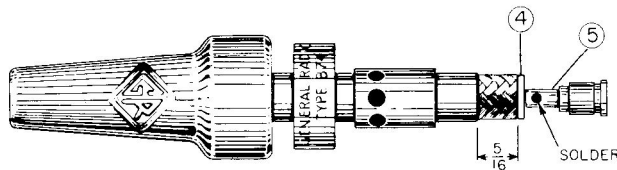
B. Slip coupling nut (2) over assembly, shoulder end first.

C. Slide ferrule (3) on cable, perforated end first.

NOTE Use green ferrule on single-braid cable and plain (perforated) ferrule on double-braid cable.

D. Carefully cut away cable jacket, braid, and dielectric to dimension shown. Do not sever any of strands in center conductor.

E. Examine cut face of dielectric and remove any stray braid strands.

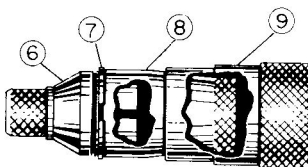


F. Slide white Teflon heat-insulator disk (4) over cable center conductor and push back flush with dielectric, taking care not to unravel center conductor.

G. Push center conductor into inner transition piece (5) until disk touches transition, and solder. Scrape off excess solder.

CAUTION Excessive heat will melt cable dielectric, and affect VSWR characteristics.

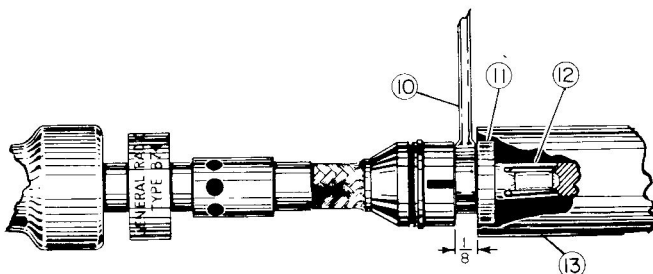
H. Remove cable jacket to 5/16 inch and flare end of braid slightly.



I. Install front-ring expander (8) (red) over large end of outer transition piece (6).

J. Slide phosphor-bronze retaining ring (7) on expander and push into first groove with ring pusher (9). Remove tools.

K. Push small end of outer transition piece over inner transition, then over cable dielectric, so that knurl slides under braid and jacket.



L. Force cable through outer transition piece until hexagonal end of inner transition piece protrudes about 1/8 inch.

M. Grip hexagonal end of inner transition piece with 1/4-inch open-end wrench (10) and hold stationary.

N. Insert inner conductor (12) in insulating bead (11) and thread into inner transition piece.

O. Insert inner conductor in inner-conductor wrench (13) so that either slot in bead engages key in wrench and tighten. Apply 4 to 10 inch-pounds torque.

NOTE: These instructions assume the user to have the full set of Type 874 tools (see over). While not indispensable, the tools assure ease of assembly, uniformity, and good appearance, as well as optimum electrical and mechanical characteristics. Ordinary pliers and wrenches may be substituted.