

WIRING
REPAIR AND PAINTING OF WIRE INSULATION

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2. GENERAL

2.1 Scope

2.11 This section covers the requirements and methods to be followed when repairing and painting the insulation on power wires. It is to be used with the other sections in the 6 series.

If repair is in an exposed location, the outer braid should be replaced with a section of sound braid from the same size lead. See Figure 1. The braid should be glued on with cellulose acetate lacquer, RM-644743, or DuPont's household cement. This should then be covered with a coat of R-3454 orange shellac, and painted with cable paint, RM-644153.

3. INSTALLING EQUIPMENT

3.1 The required tools and supplies are shown in Paragraphs 3.11 and 3.12 in Section 6A.

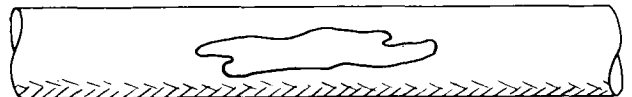
4. REQUIREMENTS AND METHODS

4.1 Insulation Repair

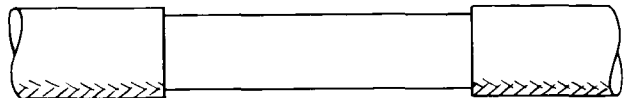
4.11 The insulation of rubber covered power wire shall be repaired if frayed or torn but not damaged sufficiently to make the wire otherwise defective.

4.12 Where braid is only frayed or torn in exposed locations cellulose acetate lacquer RM-644743 should be applied to the abrasion; in unexposed places friction tape RM-591127 and one coat of shellac should be applied. If cellulose acetate lacquer is not available, DuPont's household cement or library paste may be used.

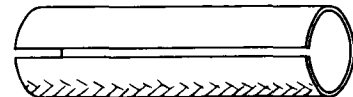
4.13 When insulation is badly damaged, it should be built up to the equivalent of the original with RM-591102 rubber tape and RM-591127 friction tape. If the repair is in an unexposed location, give one coat of R-3454 Shellac, Orange.



DAMAGED WIRE

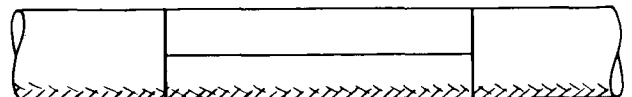


OUTER COVERING REMOVED



OUTER COVERING REMOVED FROM SOUND WIRE

(RP-11742-L)



OUTER COVERING WHICH WAS REMOVED FROM SOUND WIRE REPLACED ON DAMAGED WIRE

FIG. 1 REPLACING DAMAGED INSULATION ON POWER WIRE. (PAR. 4.13)

4.2 Insulation Painting

4.21 If black wires are furnished for other than service circuits it will not be necessary to paint them to match the other gray cables but an effort should be made to make the black cables as inconspicuous as possible, such as concealing them in the runs when conditions permit. If the telephone company requests painting these cables, the gray finish need only be applied to the exposed surfaces after the cables are installed. Use cable filler paint RM-644153 if it is available on the job. If the first coat does not give a satisfactory appearance, apply a second coat.

4.22 Refer to Section 6B for requirements on painting service circuits for identification purposes. The leads in cabinet should be painted from the exposed end to a point where any cutting will not remove the painted portion. The exposed portion of the leads at appliance

outlets should be painted. The leads may be cleaned with KS-7860 petroleum spirits to remove the wax coating and then painted. Use a paint having a varnish or lacquer base. Cable filler paint RM-644153, or white Duco purchased locally may be used for white paint. Red and blue Duco may be used where needed. Black paint RM-646341 or black Duco purchased locally may be used.

4.23 Repaired insulation of gray cable in exposed places shall be touched up with cable filler paint RM-644153. If black cable insulation is repaired, no gray paint should be applied if the cable is to remain black throughout its length.

4.24 Paint the No. 14 or larger multi-colored wires at ringing machine tables and above the top of the table with RM-644153 cable filler paint. If the first coat does not present a satisfactory appearance, apply a second coat after the first application is thoroughly dry.

→ Arrowed lines indicate new or changed information.

[Vertical line at side of paragraphs indicate requirements.

Manager, Product Engineering

Reason for Reissue:

- (1) To remove all references of RM-645895 Gray Flameproof Paint.
- (2) To clarify repair of insulation. (Par. 4.13)

Replaces Section 6D dated 2-20-58