

Cabling Methods Forming and Dressing Miscellaneous Wire

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1. General

- 1.1 Purpose** This practice presents the procedures to be followed when forming and dressing miscellaneous equipment wiring.
- 1.2 Filing Instructions and Supersedures** Discard all previous issues and associated addenda of this practice and file this issue numerically in your GTE Telephone Operations practices set.
- This practice supersedes and cancels:
- All policies, procedures, general instructions, letters, and memoranda which address this subject.
 - Any document which provides information contrary to the information contained in this practice.

I. General, continued

- 1.3 Reason for Reissuing** This practice has been reissued to add the use of insulated spade-type connectors when terminating wires. Read this entire practice to ensure your familiarity with the new information.
- 1.4 Responsibility** This practice was published by the GTE Telephone Operations Administrative Services Department. For more information about this practice, contact the Headquarters COE Construction Department.
- 1.5 Disclaimer** This practice was prepared solely for the use of GTE Telephone Operations. It must be used only by its employees, contractors, customers, and end users when installing, operating, maintaining, and repairing GTE Telephone Operations' equipment, facilities and services. Any other use of this practice is forbidden. The information contained in this practice may not be applicable in all circumstances and is subject to change without notice. By using this practice the user agrees that GTE Telephone Operations will have no liability (to the extent permitted by applicable law) for any consequential, incidental, special, or punitive damages that may result.

2. Overview

- 2.1 Scope** Due to the varying conditions and equipment arrangements in central offices, it is not practical to try to provide information to cover every situation. It is, therefore, necessary to follow all engineering specifications and existing equipment installation standards.
- 2.2 References** The following chart provides sources of supplementary information relating to this practice. The documents could be required for performing certain tasks.

See...	For Information About...
075-170-100	Cable and Support Ties - Description and Use
256-050-XXX	Cabling procedures for particular units of equipment

3. Forming

- 3.1 Form Preparations** Form preparations, whenever possible, must be made with the use of approved cable ties. For the proper method of using cable ties, refer to GTE Telephone Operations Practice 075-1 70-1 00.

3. Forming, continued

3.1 Form Preparations, continued

The...	Is Used for...
Fanned form	All switchboard cables terminating at terminal strips, protectors, or other apparatus equipped with a fanning strip or other fanning device.
Sewed form	Local and switchboard cables formed out to jacks, lamps, relays, coils, registers, and other similar types of apparatus not generally equipped with a fanning strip or other wiring device.

When wires are tie-wrapped or bundled together:

- Ensure the tie wraps are not so tight that the wires may fracture due to stress over time. The tie wraps should be able to be turned without stress.
- Do not bundle with cables.

Arrange the binders on the cable to be fanned in such a manner as to avoid excessive crossovers as the forming progresses. Also, try to have each group of leads in each breakoff leave the cable mass as close to each other as possible.

4. Dressing

4.1 Introduction

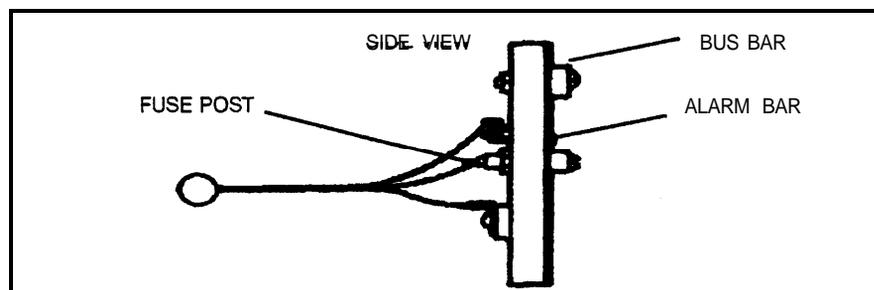
Dress all wiring to:

- Present a neat appearance.
AND
- Permit access to all connections, as far as possible.

The dress of new wiring should conform to the dress of the existing wiring unless otherwise specified.

4.2 Typical Dressing

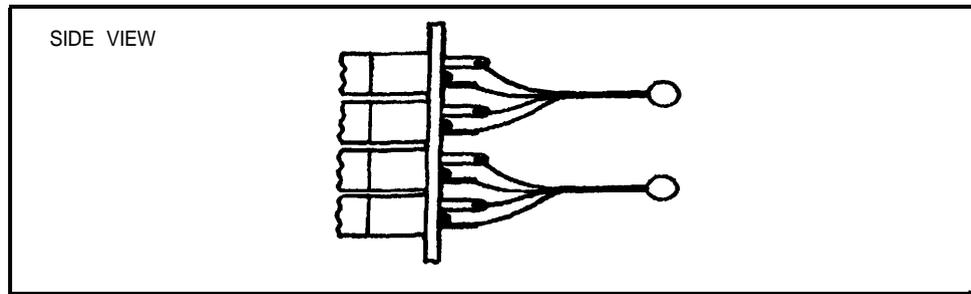
The following illustrations show typical dressing for various apparatus.



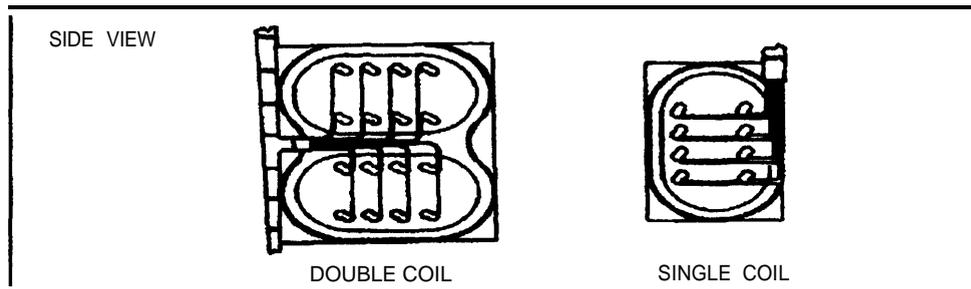
Dressing Horizontally Mounted Fuse Panels

4. Dressing, continued

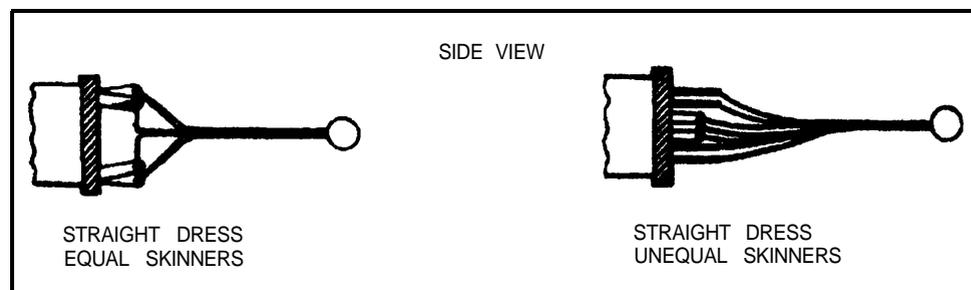
4.2 Typical Dressing, continued



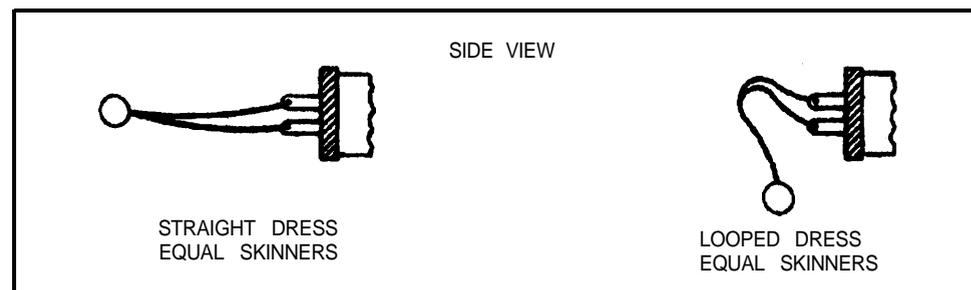
Dressing Panel-Mounted Lamps



Dressing Repeat Coils



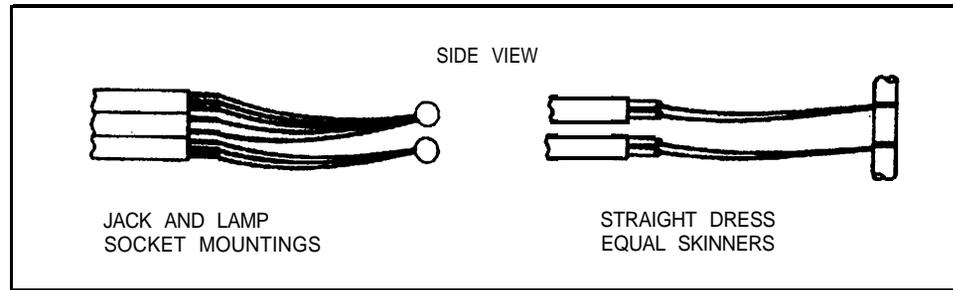
Dressing Strip-Mounted Relay Equipment



Dressing Relay Rack-Mounted Condensors

4. Dressing, continued

4.2 Typical Dressing, continued



Dressing Strip-Mounted Jacks, Keys, and Lamps

5. Terminating Miscellaneous Wires

5.1 Guidelines

Use the following guidelines when terminating loose wires:

- Screw-type wire connections must use insulated spade-type connectors (no bare wire under screw heads).
- Insulated spade-type connectors can be used for solid or stranded wire from 22 gauge to 12 gauge. The recommendation is to use stranded wire, when smaller gauge wire is used with spade-type connectors.
- Compression lugs are recommended for wire larger than 12 gauge (10 ga, 8 ga, etc.).