WIRING

VERIFICATION

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1. GENERAL

1.1 Scope

1.11 This section provides a list of verification items for the sections in the 6 series covering power wiring. The section number follows the main headings while the paragraph number covering the complete requirement is shown following the item listed.

2. GENERAL 6A

2.01 No armored cable in open cell battery rooms. 5.2

2.02 Alarm wiring installed for B.D.F.B. 6.2

2.03 Dummy fuses installed. 6.3

2.04 Protection of wire where required. 8.04 - 8.07

2.05 Minimum bending radius of power wire. 8.04

2.06 Wire protected by fiber at sharp openings in cabinets. 8.09

2.07 TD-2 stations use split fiber tubes on flanges of wireways. 8.091

2.08 Correcting dislodged wire protection on previously installed wire before performing subsequent wiring operations. 8.10

2.09 Wires protected from underside of cable rack stringer. 8.11

2.10 Inspection to assure meeting N.E.C. requirements. 9.1. 9.3

3. RUNNING AND CUTTING 6B

3.01 Solderless connectors arranged so as not to be covered. 2.217. 10.014

3.02 Minimum separation of wires maintained where necessary. 4.1, Table A.

3.03 Proper conductor spacing. 4.3 & Table A.

3.04 Charge and discharge conductors not in same conduit. 4.4

3.05 Telegraph and teletypewriter leads shielded. 5.1

3.06 Ringing and tone leads shielded. 6

3.07 Signal and quiet leads crossed at right angles. 7.1

3.08 Conductors properly paired. 8.11 to 8.13 & 8.21

3.09 Wires colored where necessary to meet N.E.C. color code. 9.1 to 9.3

3.10 Battery distributing leads run continuous or properly spliced. 10.053

3.11 Power service leads in enclosure. 10.061

3.12 Power service leads properly spliced. 10.062

3.13 Switchboard cable not run with power service wires in conduit. 10.08

3.14 Testing runs pulled in by mechanical means. 10.081

3.15 Ammeter and ammeter relay leads shall not be cut. 10.091

3.16 Place excess meter shunt leads in fiber tube. 10.092

3.17 Armored wire and cable properly spliced. 10.103

4. SUPPORTS - BENDING AND FORMING - CLIPPING - SEWING 6C

4.01 Auxiliary framing and cable rack installed in accordance with requirements in Erecting, Aligning and Mounting Handbook. 4.11, 4.21, 4.22

4.02 Use sleeves or bushings for wires through walls and floors. 4.31

4.03 Grommets and chase nipples protect leads through wood and metal. 4.32

4.04 Supporting leads in vertical conduits according to table. 5.11

4.05 Supporting leads in vertical raceways and tile ducts. 5.21

4.06 Ultimate pile-up and maximum cable rack width on vertical power cable runs. 5.301

4.07 Clamps used on vertical runs. 5.303

4.08 Wire protected from clamps with insulators. 5.307

4.09 Clamps installed at correct height. 5.308

4.10 Vertical runs correctly clipped or sewed and clamped. 5.311 - 5.314

4.11 Auxiliary supports on inverted runs. 5.41

4.12 Inverted runs correctly clipped or sewed. 5.42

4.13 BX supported at top of No. 5 frames. 5.51

4.14 Wire forms supported on power panels. 5.62

4.15 Maximum length of unsupported wire. 5.81

4.16 Minimum radii of bends not less than specified. 6.1

4.17 No clipping initiated or continued within a power room. 7.122

4.18 No clipping initiated or continued over MG sets or battery stands. 7.123

4.19 Detailed sewing and clipping in accordance with Cabling Handbook. 7.21

4.20 Wires under clips protected with fiber. 7.31

4.21 Previously installed insulators in place. 7.36

4.22 Correct amount of clipping on horizontal runs. 7.41

4.23 Runs 400000 CM or larger clipped every fourth strap. 7.41

4.24 Armored cable clipped so as not to bulge. 7.51

4.25 Wires and cables sewed properly. 8.13 - 8.15

4.26 Armored wire correctly sewed. 8.21, 8.22

4.27 Correct twine. 8.24, 8.32

4.28 Vertical armored cable runs sewed. 8.41

4.29 Armored cable sewed with same frequency as other in run. 8.43

4.30 Armored cable sewed so as not to bulge. 8.44

4.31 Wire without fabric covering protected from sewing twine. 8.51

5. REPAIR AND PAINTING OF WIRE INSULATION 6D

5.1 Repairs to damaged wire properly made. 4.11

5.2 Painting service leads for length of exposed end. 4.22

5.3 Insulation repair touched up with paint. 4.23

5.4 Painting No. 14 or larger multicolored wires at ringing machine tables. 4.24

6. DRIVE MOTOR SAF-TO-FUSE BOX 6E

6.1 Panel office drive motor SAF-TO-FUSE box. Mount contact protection assembly and splice leads as shown in Figure 1. 4.125, 4.15

➔ Arrowed lines indicate new or changed information.

Manager, Product Engineering

Reason for Reissue:
To bring Paragraph numbers into agreement with revised section in the 6 series.

Replaces Section 6V dated 10-19-61.