URGENT INSTRUCTION SUPPLEMENT
OPTIMUM FIRE PROTECTION FOR CABLE SLEEVES AND CONDUIT ENDS WRAPPING THERMOFIBER SAFING IN ALUMINUM FOIL

1. GENERAL

1.1 It is the purpose of this UIS to inform Installation of a requirement change in sealing power and switchboard cable sleeves and conduit to obtain optimum fire protection and to wrap Thermofiber Safing in aluminum foil to avoid excessive air-borne dusting and equipment protection effort over equipment areas.

NOTE: This UIS does not authorize any job extensions for the purpose of sealing sleeves and conduit per optimum fire protection requirement.

NOTE: It is not necessary to remove presently installed Thermofiber Safing for the purpose of wrapping it in aluminum foil.

1.2 As a result of extensive fire testing conducted by BTL-Whippany, it has been determined that the most effective means of fire protection can be realized when sleeves are tightly packed with Kaowool Ceramic Fiber and sealed with caulking compound.

1.3 In the past, where wire or cable was run in conduit having openings in rooms with different atmospheric conditions or through walls and partitions between rooms normally closed to each other, each end terminating upward or horizontally was to be packed with oakum rope and sealing compound. This material has been found to be highly flammable and is to be discontinued for sealing open ends of conduits or sleeves.

1.4 Power and Switchboard Cable Conduit

The power and switchboard cable conduit ends and sleeves will be upgraded by the Installer to meet the optimum fire protection as outlined in this UIS.

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT Printed in U.S.A.

1.41 Buildings which have been Upgraded

In those buildings where cable holes and slots have been upgraded, the Installer shall bring to the attention of the Operating Company the sleeves and conduit ends that will also require upgrading to meet the optimum fire protection.

2. INSTRUCTIONS

2.1 Sealing Power and Switchboard Cable Sleeves

2.11 The recommended fire stopping method for cables passing through sleeves is presently outlined in UIS Section 15B, Paragraph 2.71.

2.12 Existing sleeves which are packed with oakum and sealed with sealing compound shall be cleaned of this material and repacked with R-4779 Kaowool Ceramic Fiber and sealed with R-4661 Caulking Compound.

2.13 In removing material from sleeve, the procedure as outlined shall be followed:

(a) Protection material shall be added to the underside of sleeve.
(b) By utilizing a screwdriver and a R-1060 Putty Knife, sealing compound can be removed.

CAUTION: CARE SHALL BE EXERCISED WHEN REMOVING SEALING COMPOUND AND OAKUM AROUND CABLE.

(c) To remove the oakum rope, a long and thin item with a hook at the end, similar to the R-1102 Spudger and R-1808 Jack Lug Spudger, shall be used.

2.2 Sealing Power and Switchboard Cable Conduit

2.21 In upgrading ends of conduit, other than floor sleeves, containing switchboard or power cable terminating upward or horizontally shall be packed to a depth of 3 to 4 inches with Kaowool Ceramic Fiber and sealed with approximately 1 inch of caulking compound.

NOTE: The same procedure outlined in Paragraph 2.13 for removing material from sleeves shall also apply to conduit ends.

2.211 Where both ends of conduit terminate in the same room, no treatment of the ends is necessary.

2.212 Where one or both ends of a conduit containing cables is terminiated in an open cell battery room, both ends shall be upgraded with 3 to 4 inches of Kaowool Ceramic Fiber and sealed with 1 inch of caulking compound.

2.213 Conduit ends having openings in rooms with differ t atmospheric conditions shall be upgraded.

2.214 Conduit through walls or partitions between rooms normally closed to each other shall be upgraded.

2.22 All material for upgrading cable sleeves and conduit ends within the Central Offices is billable to the Operating Companies. This includes the R-4661 Caulking Compound, the R-4659 Cable Support Ties and the R-4779 Kaowool Ceramic Fiber which are being placed on Greensboro, N. C. by Customer Service.

2.221 In order to insure proper billing for this material, the Installer shall disregard normal routine of using TSA form and shall order material on Installers Requisition SD-1-1148 per Code 8A.

The ordering information to be listed on the requisition is as follows:

MATERIAL IDENTIFICATION	MATERIAL DESCRIPTION
CC 401 925 300	PKG Caulking Compound (R-4661)
CC 400 898 318	PKG Cable Support Ties (R-4659)
CC 401 981 816	PKG Kaowool Ceramic Fiber (R-4779)

2.3 Wrapping Thermofiber Safing in Aluminum Foil

2.31 Thermofiber Safing installed over equipment areas shall be wrapped in aluminum foil to avoid air-borne dust particles and excessive equipment protection. It is recommended that cutting and wrapping of Thermofiber Safing be done in an area other than the equipment area.

CAUTION: WHEN REMOVING CEILING PLATES FROM CONTINUOUS SLOTS, DUST PROTECTION SHALL BE PROVIDED TO PROTECT TELEPHONE EQUIPMENT.

2.32 Aluminum foil comes in 5 lb. rolls, packaged individually in tear-off cartons. The dimension of the rolls are, .007" thick x 36" wide x 250 feet long. One 5 lb. carton will package 24 pieces (2'x5'x4") of Thermofiber Safing, or an equivalent of 6 shipping boxes.

2.33 Aluminum foil same as all other material for upgrading cable holes within Central Offices is billable to the Operating Companies.

2.34 The non-coded aluminum foil shall be procured by the Installer or by Customer Service Organization. The Installer shall originate a Route "A" JIM to obtain authorization by the Operating Company.

2.341 The Installer shall originate a Supplier's Voucher SD-23-321 Code 46-43A for Material Charges.

2.35 Aluminum foil in 5 lb. cartons shall be purchased directly from:

CLECON METALS
2914 E. 81 St
Cleveland, Ohio 44104
Attn: Mr. Paul Mougey
Phone 800-321-9966
Ohio Dial (216) 271-1000

2.36 Eye protection, dust masks, gloves and protective clothing are recommended when Kaowool, Thermofiber Safing, Oakum Rope materials are handled.

Engineering Planning Manager
Common Installation Engineering