A. Suresh
SEIKO DENKI INDIA PVT. LTD.
DP NO. 50, SIDCO INDUSTRIAL ESTATE
THIRUMAZHISAI CHENNAI 600124 INDIA

Date:	2018/04/05
Subscriber:	None
PartySite:	1877871
File No:	E144845
Project No:	18SR4863070
PD No:	18O15469
Type:	L
PO Number:	

Subject: **Initial Production Inspection**

PLEASE NOTE: YOU ARE NOT AUTHORIZED TO SHIP ANY PRODUCTS BEARING ANY UL MARKS UNTIL THE INITIAL PRODUCTION INSPECTION HAS BEEN SUCCESSFULLY CONDUCTED BY THE UL FIELD REPRESENTATIVE.

An Initial Production Inspection (IPI) is an inspection that must be conducted prior to the first shipment of products bearing the UL Mark. This is to ensure that products being manufactured are in accordance with UL's requirements including the Follow-Up Service Procedure. After the UL Representative has verified compliance of your product(s), authorization will be granted for shipment of product(s) bearing the appropriate UL Marks as denoted in the Procedure.

ANURAG SINGHAL, UL INSPECTION CENTER INDIA, SY NO 24 KUNDALAHALLI, K R PURAM HOBLI, SOUTH TALUK, WHITEFIELD, BANGALORE, India, 560066., PHONE: 80-2520-4400, FAX: 80-2520-4407, EMAIL: ANURAG.SINGHAL@ul.com

Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

Please review this material and report any inaccuracies to UL's Customer Service Professionals. Contact information for all of UL's global offices can be found at http://ul.com/aboutul/locations.

If you'd like to receive updated materials FASTER, UL offers electronic access and/or delivery of this material. For more details, contact UL's Customer Service Professionals as shown above., referring to the above Project and/or PD Numbers.

This material is provided on behalf of UL LLC(UL) or any authorized licensee of UL.

NWT File

UL INSPECTION CENTER 362

Production Date:	UNKNOWN
Contact:	Mr. A. Suresh
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ADDENDUM TO TRANSMITTAL LETTER

A. Suresh
SEIKO DENKI INDIA PVT. LTD.
DP NO. 50, SIDCO INDUSTRIAL ESTATE
THIRUMAZHISAI CHENNAI 600124 INDIA

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The following material resulting from the investigation under the above numbers is enclosed.

Issue Date	Vol	Sec	Pages	Revised Date
	1		Revised Authorization Page(s)	2018/04/05
1993/09/09	1		Add New Manufacturer	

***
Manufacturer Party Site Number # 1877871 were added were added

Follow-Up Service Procedure

DO NOT DISCARD THIS PAGE

It is important to keep UL Procedures and Test Reports up-to-date as new or revised pages are received.
Correct maintenance will decrease the amount of time the UL Representative spends when visiting your facility.

UL LLC offers MyHome @UL, a dedicated website providing secure access to online tools and databases that can help simplify your compliance activities. You can customize your personal MyHome @UL page to include the content needed most, including timely information about certification updates and links to other Web sites you visit regularly. Visit http://my.home.ul.com/ to sign up today!

PAGES (in content order)	FUNCTION	HOW TO UPDATE
Authorization Page	Displays the Product Category, the type of Follow-Up Service (Type R=Reexamination / Type L=Label), the File Number and the Volume Number associated with each Applicant's, Manufacturer's and Listee's company name and address.	Replace existing page by matching the UL File Number and Volume Number. Discard the older page (refer to "Issued" or "Revised" date).
Addendum to Authorization Page*	Lists the additional names and addresses of manufacturing locations, when multiple locations exist	Replace existing page by matching the UL File Number and Volume Number. Discard the older page (refer to "Issued" or "Revised" date).
Listing Mark Data (LMD), Classification Mark Data (CMD) or Recognized Component Mark Data (RCMD) Pages*#	Used only for products covered under Type R Service. Displays the correct LMD, CMD, or RCMD Mark, the Control Number for Listed and Classified categories and additional information regarding minimum size, application, procurement, and any other optional markings, in addition to the UL Mark.	Replace existing page by matching the UL File Number and Volume Number. Discard the older page (refer to "Issued" or "Revised" date).
Multiple Listing (ML) Correlation Sheet*	Correlates product model numbers between those products made by a Manufacturer for the Basic Applicant and those supplied to another company, the Multiple Listee.	Replace, add or delete page(s) with most current "Issued" or "Revised" date.
Index*	Catalogs the contents of the Procedure by some logical means, i.e. Section Number, Report Reference Number, or Issue Date.	Replace present page by matching the UL File Number, Volume Number, Page Number and most current "Revised" date.
Appendices (App.)*#	Contains instructions for the Manufacturer and UL Representative concerning specific responsibilities and required periodic tests. May also outline tests to be conducted on samples to be forwarded to UL's facilities.	Replace present page by matching the UL File Number, Volume Number, Appendix letter (eg. App. A), Page Number and most current "Revised" date.
	Standardized Appendix Pages are the same for all manufacturers within a particular product category.	Replace present page by matching the Appendix letter (eg. App. A), Page Number and most current "Revised" date.
Follow-Up Inspection Instructions (FUII) Pages*	Contains information similar to that in the Appendices. FUII Pages are issued as part of the Procedure when a UL Standard is used in conjunction with the Procedure, and are the same for all manufacturers within a particular category.	Replace present pages by matching the Page Number and most current "Issued" or "Revised" date.
Section General (Sec. Gen.)*#	Contains description, requirements, identifications and/or specifications that are common to all products covered by the entire volume and supplements the information provided in the Description Section.	Replace present page by matching the UL File Number, Volume Number, Page Number and most current "Revised" date.
Description, or Section (Sec.)*	Contains the specific description of one or more products or systems. This includes written text supplemented by photographs, drawings, etc., as necessary, to define features that affect compliance with the applicable requirements.	Replace present page by matching the UL File Number, Volume Number, Section Number, Page Number and most current "Issued" date.

***** The above page(s) may not appear in all UL Follow-Up Service Procedures; UL's Conformity Assessment Services staff determines their inclusion.
# These pages are combined in the **Generic Inspection Instructions** for International Style Reports, identified, as example by Vol. X1, X2, etc.

PLEASE NOTIFY YOUR LOCAL UL OFFICE OF ANY CHANGES IN CONTACT NAME, COMPANY NAME OR ADDRESS, SO THIS MATERIAL AND IMPORTANT INFORMATION CONTINUES TO BE DELIVERED TO YOUR FACILITY WITHOUT INTERRUPTION.

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

COMPONENT - PROCESSED WIRE
(ZKLU2)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

608568 (Party Site)
Applicant: SEIKO DENKI (M) SDN BHD
(901148-001) Plo 95,Jalan Cyber 6, Kawasan Perindustrian 3
81400 Johor
Senai, MALAYSIA

608568 (Party Site)
Recognized Company: SAME AS APPLICANT
(901148-001)

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party and any applicable Service Terms. The UL Contracting Party for Follow-Up Services is listed on addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

UL further defines responsibilities, duties and requirements for both Manufacturers and UL representatives in the document titled, "UL Mark Surveillance Requirements" that can be located at the following web-site: http://www.ul.com/fus and in the document titled "UL and Subscriber Responsibilities" that can be located at the following website: http://www.ul.com/responsibilities. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the applicable Service Terms, please contact UL's Customer Service at http://ul.com/aboutul/locations/, select a location and enter your request, or call the number listed for that location.

The Applicant, the specified Manufacturer(s) and any Recognized Company in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable agreement is a Global Services Agreement ("GSA") with an effective date of January 1, 2012 or later and this Follow-Up Service Procedure is issued on or after that effective date, the Applicant, the specified Manufacturer(s) and any Recognized Company will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees which will incorporate such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking here: http://www.ul.com/contracts/Terms-After-12-31-2011. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

It is the responsibility of the Recognized Company to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

This Follow-Up Service Procedure contains information for the use of the above Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Manufacturer with the understanding that it will be returned upon request and is not to be copied in whole or in part.

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the above named Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

UL LLC has signed below solely in its capacity as the accredited entity to indicate that this Follow-Up Service Procedure is in compliance with the accreditation requirements.

Bruce A. Mahrenholz
Director
North American Certification Program

LOCATION

1877871 (Party Site)
SEIKO DENKI INDIA PVT. LTD.
DP No. 50, SIDCO Industrial Estate
Thirumazhisai Chennai 600124 INDIA
Factory ID: U32109TN2017PTC119985
UL Contracting Party for above site is: UL India Private Limited

608568 (Party Site)
(901148-001) SEIKO DENKI (M) SDN BHD
Plo 95,Jalan Cyber 6, Kawasan Perindustrian 3
81400 Johor
Senai, MALAYSIA
Factory ID:
UL Contracting Party for above site is: UL AG

Melville, New York
Issued: July 31, 1998
Revised: January 1, 2012

SUBJECT 764

FOLLOW-UP AND INSPECTION INSTRUCTIONS

RECOGNIZED PROCESSED WIRE

RECOGNIZED PROCESSED WIRE - RESPOOLED

(ZKLU2, ZKLU8)

FOLLOW-UP AND INSPECTION INSTRUCTIONS

TABLE OF CONTENTS

SCOPE

A. These requirements apply to both Recognized "Processed Wire" and "Processed Wire-Respooled", which are covered under the "Processed Wire" category and CCN 'ZKLU2', and to Canadian Recognized "Processed Wire" and "Processed Wire-Respooled", which are covered under the "Processed Wire" category and CCN 'ZKLU8'

The following are the relevant definitions for these inspection instructions:

PROCESSED WIRE:

This is defined as U.S. and/or Canadian Recognized Appliance Wiring Material that has been cut into certain lengths, from which the insulation may be stripped from one or both ends. The stripped ends may be soldered, or tinned, and may have simple terminals of the eyelet, ring, open spade or quick-connect type attached by crimping, soldering or welding. These lengths may be packaged for further processing. Processed wire also covers the coloring and striping of wire, cable and cord. As an example, Processed Wire may be a 5-foot length of 3-conductor Recognized Appliance Wiring Material with open spade terminals soldered onto each exposed insulated wire and coated with a yellow stripe which does not obliterate the cable manufacturer's original surface markings.

PROCESSED WIRE-RESPOOLED:

This is defined as a single, continuous length of U.S. and/or Canadian Recognized Appliance Wiring Material cut from a longer length and coiled or placed on a spool or reel. Coloring and striping is also covered.

SIMPLE TERMINALS:

This is defined as terminals of the eyelet, ring, open-spade or quick-connect type that can be crimped, soldered, or welded onto the end of a wire. The attached terminals may be either male or female, and they may either be Listed, Recognized or Unlisted.

LOT

A lot is considered to be all material of one AWG size in current production or stock using the same type of terminal end treatment.

GENERAL

B. As a part of UL's Follow-Up Service Inspection Program, it is required that a member of the UL staff periodically visit the factory and select, for test or examination or both, samples of the most recent production of the product covered.

C. The Follow-Up Service Procedure covering the product is loaned to the manufacturer and constitutes the basis on which the product is judged for compliance with the applicable requirements.

RESPONSIBILITIES OF THE MANUFACTURER

D. It is the manufacturer's responsibility to restrict the use of markings that reference UL (either directly by use of the name, an abbreviation of it, or the symbol, or indirectly by means of agreed upon markings that are understood to indicate acceptance by UL) to those products that are found by the manufacturer's own inspection to comply with the Follow-Up Service Procedure description. The use of such markings is further limited by the agreements that have been executed by the subscriber and UL.

E. The manufacturer shall confine the markings referencing UL as indicated in Paragraph D, to the location or locations authorized in these instructions or the Follow-Up Service Procedure.

F. During hours in which the factory is in operation, the manufacturer shall permit the UL Representative free access to any portion of the premises where the product or components thereof are being fabricated, processed, finished, or stored, and to the test area assigned for the UL Representative's use. The UL Representative shall be permitted to inspect and subject to the prescribed tests, prior to shipment, any product bearing or intended to bear markings referencing UL as indicated in Paragraph D.

G. The manufacturer shall provide, at a convenient location, all required test equipment and facilities and any required personnel for conducting all tests that are to be performed at the factory. These shall be available when needed so that the inspection work can proceed without undue delay.

H. The manufacturer shall determine that the test equipment is functioning properly and have it calibrated **annually**, or whenever it has been subject to abuse (such as being dropped or struck with an object) or its accuracy is questionable. The test equipment and instruments shall be calibrated either by the manufacturer or by an outside laboratory. In either case, they shall be calibrated by comparison with a Standard that is traceable to a National Standard. For in-house calibrations, the Standard (weight and gauge blocks) used shall be calibrated every three years, or whenever the Standard has been subjected to some form of abuse that may affect the Standard's fitness for use. The Standard shall be stored to protect it from damage or deterioration per the standard manufacturer's recommendations. Records of calibration of the test equipment and Standard shall be maintained until the next required calibration is completed and recorded. The records shall be readily available for review by a UL Representative.

I. Where so specified by these Follow-Up and Inspection Instructions, the manufacturer shall forward samples, selected by the UL Representative, to UL for Follow-Up Tests. Packaging and shipment of the samples are the responsibility of the manufacturer. The manufacturer shall forward these samples to UL within five working days of the UL Representative's inspection visit.

RESPONSIBILITIES OF THE UL REPRESENTATIVE

J. The UL Representative shall examine the construction of production bearing, or is intended to bear the UL Mark, to determine compliance with the provisions of the Follow-Up Service Procedure, and these Follow-Up and Inspection Instructions. A product which is found by the UL Representative to have features that make it unacceptable to bear a marking referencing UL shall be acceptably corrected if the marking is to be retained. The UL Representative shall carefully check subsequent production for such features until conditions are again considered normal.

K. A product that does not comply with the provisions of the Follow-Up Service Procedure and these Follow-Up and Inspection Instructions shall have each UL referencing mark removed from the product, or obliterated from the product where the marking is imprinted, die-stamped, molded, or the like. If the rejection of the product is questioned by the manufacturer, they may hold the material at the point of inspection, typically at the factory, pending an appeal. The UL Representative shall provide the name of the UL engineer to whom the appeal is to be made. Should UL grant temporary authorization for the continued use of the UL Mark, such temporary authorization shall only be for the time needed to review and/or process the Procedure revisions, or as otherwise specified to cover a particular lot or production run. The manufacturer shall satisfy the UL Representative that all marks referencing UL are removed from the rejected material. Those marks referencing UL not destroyed during their removal from the product shall be turned over to the UL Representative for destruction.

L. The UL Representative shall report to the manufacturer and Follow-Up Services Department by means of a Variation Notice (VN) if:

a. Variations in construction are found;

b. Nonconforming test results are witnessed during tests conducted specifically for the UL Representative;

c. Other items not in compliance with UL requirements (e.g. calibration of equipment, access to the factory, etc.).

The UL Representative shall explain to the manufacturer that a Variation Notice is a means of communication with the manufacturer and documents those items where nonconformances with the Procedure have been found.

M. Where so specified by these Follow-Up and Inspection Instructions, the UL Representative shall forward samples to UL for Follow-Up Tests.

N. When reviewing Certificates of Calibration for test equipment, the UL Representative shall verify that the Certificate indicates that all reference standards used to calibrate the test equipment are traceable to the applicable U.S. or Foreign National Standard. A letter from the outside laboratory or from an off-site manufacturer's calibration lab stating that their lab standards are directly traceable to their country's National Standard and outlining their traceability pathway is considered adequate proof of traceability.

BULLETINS CURRENTLY IN EFFECT LIST

O. The UL Representative shall make reference to the Subject 801E "Bulletins Currently in Effect List" for this Label Account (764) and category, in order to determine which bulletin(s) in effect, if any, would supplement these Follow-Up and Inspection Instructions.

GENERAL INSPECTION GUIDELINES

APPLICATION OF UL MARK (LABEL) TO THE PRODUCT

General

L1 The UL Representative shall examine a minimum of ten coils, reels or unit containers to assure that the application of the label to the product throughout is in compliance with the requirements of UL.

L2 U.S. and Canadian Recognized Processed Wire and Processed Wire-Respooled are identified by the applicable Type L labels, whose format and contents are identified in the Section General of the Follow-Up Service Procedure. The labels are applied to the attached tag, the reel, or the smallest unit container in which the product is packaged. The UL Representative shall assure that each individual tag, reel, or unit container is labeled, and not "bulk-labeled" (e.g., on an overall plastic shrink wrapping, a labeled carton containing several spools of wire, etc.). The UL Representative shall assure that the piece count for Processed Wire labels shall be equal to or greater than the number of cut lengths in the unit container.

L3 **Authorization to use the Canadian Recognized Processed Wire and Processed Wire-Respooled Marks on the product must be specified in the Follow-Up Service Procedure. In addition, these Marks will only be applied to product that is received with the UL Mark for Canada, and which contains references to Canadian Recognition Service coverage (e.g., on the original tags from the wire manufacturer, and in the surface print, if so marked).**

THE INSPECTION OF PROCESSED WIRE/PROCESSED WIRE-RESPOOLED

FOLLOW-UP PROGRAM AT THE FACTORY

General

L4 At each visit to the factory, the UL Representative shall see the entire lot of processed wire and/or processed wire-respooled which bears or is intended to bear the Recognition Mark, and shall then select representative samples.

L5 The UL Representative is required to inspect and report on the randomly selected samples which are considered to be representative of the factory output. These samples shall not be taken from a lot which other samples have been taken during a previous inspection, unless the lot was previously rejected, has been culled and reworked, and is being resubmitted for inspection. The actual number of coils to be taken as random samples may vary in individual cases according to conditions, but the UL Representative shall follow paragraphs L7 to L16 as closely as possible.

L6 The UL Representative shall check the construction details of the processed wire and/or processed wire-respooled with the requirements.

UL Representative's Countercheck Program

L7 At each inspection, samples of current production and/or stock shall be examined for compliance with the applicable descriptions and requirements contained in this Procedure. In making this determination, consideration shall also be given to the following general requirements applying to the products covered by this Procedure.

a. Markings - The UL Representative shall assure that all tag markings provided by the original wire manufacturer [e.g., voltage, temperature, type, supplemental ratings ("Oil Resistance", "Sunlight Resistance", etc.), gauge, number of conductors, etc.] have been transferred onto the tags provided by the processor. This is applicable for both Processed Wire and Processed Wire-Respooled.

   In addition, all original surface print markings shall remain legible after any processing operation including coloring and striping. If surface printing is being performed, the UL Representative shall assure that the new/additional surface print text applied by the processor provides the same engineering markings that were present in the wire manufacturer's original surface print text.

b. Terminals - The simple terminals detailed in the applicable Descriptive Section of the Follow-Up Service Procedure are suitably attached to the appropriate type and size of conductor.

L8 At each inspection, representative samples of Recognized Processed Wire and/or Processed Wire-Respooled having simple terminations shall be subjected to the tests described in Table L1. For Recognized Processed Wire and/or Processed Wire-Respooled having simple terminations attached, the UL Representative will verify that the processed wire size and construction is within the wire connector's wire range.

Table L1
Tests to be Witnessed by the UL Representative at the Factory

1 - Detailed examination per Descriptive Section
2 - Conductor Secureness of Simple Terminals
3 - Visual Examination of Simple Terminals

Conductor Secureness Test

L9 At each inspection, representative samples of Recognized Processed Wire and/or Processed Wire-Respooled having simple terminals attached by crimping, soldering, or welding shall be subject to the Conductor Secureness Test. **Please note that all terminals (Listed, Recognized, and Unlisted) are subject to this test.**

SAMPLES

L10 Eight samples shall be randomly selected from each lot for this test. A lot is considered to be all material of one AWG size in current production or stock, using the same type terminal or end treatment.

TEST METHOD

L11 All samples shall be checked for stray strands prior to test. Terminations (including those insulated by Recognized insulating tubing which is heat-shrinkable, or secured in place by a heat-bonding process) are to be subjected to a conductor secureness (pull) test. The pull is to be applied between the conductor and its terminal. Constructions using more than one conductor in a crimp connection shall be tested by applying the pull between each conductor and the terminal. The pull shall be 8 lb. (3.6 kg) for No. 20 AWG, and smaller conductors and 20 lb. (9.1 kg) for No. 19 AWG and larger size conductors. The pull shall be applied for 1 min.

BASIS OF ACCEPTABILITY

L12 There shall be no separation of the connections or stray strands as a result of the described pull.

PROCEDURE IN THE EVENT OF NONCONFORMANCE

L13 If there are no nonconformances, accept the lot. In the case of one nonconformance, select sixteen additional samples from the lot for examination. Accept the lot if no more nonconformances are observed. Reject the lot if two or more nonconformances are observed from all samples (first and second) selected. The rejected lot may be culled or reworked and resubmitted to the UL Representative for testing.

Visual Inspection

SAMPLES AND TEST METHOD

L14 Representative samples of processed wire having simple terminals attached are to be selected at random and are to be checked for stray strands. Select four samples from each lot for examination of stray strands.

BASIS OF ACCEPTABILITY

L15 There shall be no stray strands resulting from the termination operation.

PROCEDURE IN THE EVENT OF NONCONFORMANCE

L16 If there are no nonconformances, accept the lot. In the case of one nonconformance, select sixteen additional samples from the lot for examination. Accept the lot if no more nonconformances are observed. Reject the lot if two or more nonconformances are observed from all samples (first and second) selected. The rejected lot may be culled or reworked and resubmitted to the UL Representative for testing.

S P E C I A L I N S T R U C T I O N S

FIELD REPRESENTATIVE:

GENERAL

At each inspection, the Field Representative shall determine that all processed wire is made from properly Labeled Appliance Wiring Material.

SAMPLES FOR REGULAR INSPECTION

Representative samples of component processed wire having attached terminals are to be checked for stray strands and are to be selected at random for test. A lot will be considered to be all material of one gauge in current production or stock using the same type terminal end. Select four samples from each lot for test. No test required on eyelet-type terminal end where conductor forms a circle.

PROCEDURE IN CASE OF FAILURE

If there are no failures, accept the lot.

In case of one failure, select 16 more samples from the lot for test. Accept lot if no more failures are observed. Reject lot if two failures are observed from total samples tested. Lot may be culled or reworked and resubmitted.

TERMINATIONS

RELIABILITY OF CONNECTIONS TEST:

METHOD

Terminations such as crimped-on, closed loop, open end spade type, male or female quick-disconnect type are to be subjected to a Pull Test. The pull is to be applied between the conductor and its terminal. Constructions using more than one conductor in a crimp connection shall be tested by applying the pull between each conductor and the terminal. The pull shall be 8 lb for No. 20 AWG and smaller conductors and 20 lb for No. 18 AWG and larger size conductors. The pull shall be applied for 1 min.

BASIS FOR ACCEPTABILITY

There shall be no separation of connections as a result of the described pull.

AY/AY:alh
PC LBRY/mro

G E N E R A L

PRODUCT COVERED:

Component - Processed Wire.

FACTORY LOCATION AND IDENTIFICATION:

Corp. I.D.	Location	Identification

LABELS:

Recognition labels for Component - Processed Wire incorporate the following declaration:

with denomination which designates the number of pieces or:

Recognition Labels are to be attached to the cartons containing the processed wire, to a tag attached to a bundle of processed wire or to spools or reels containing respooled material. Recognized

Component Marks may not be attached to reusable containers, such as tote boxes.

AY/AY:alh
PC LBRY/mro

MARKING:

Each bundle, carton, or spool of processed wire shall be marked or tagged to indicate the following items:

1. Name of the processor or the Laboratories' file number of the registered trademark of the processor - not applicable.

2. Identification of terminals by manufacturer and catalog number, if Listed terminals are used.

3. All information on the original tag on the Appliance Wiring Material spool must be reproduced in its entirety. This reproduction must be attached to each bundle, carton, or spool of processed wire.

4. The correct denomination of Component Processed Wire Recognized Component Mark is attached to the tag, carton, or spool near the processor's name and the manufacturing or shipping date. The total denomination of labels attached to the container are to be within 50 of actual number of component processed wire pieces packaged, except in case of shipment of small quantity of less than 50 pieces. Appliance Wiring Material which is processed by respooling shall have a respool label applied to the spool or to the tag attached to the spool.

   NOTE: Terminal identification and the information that is transferred from the original wire manufacturer's tag may be shown on the wire processor's tag along with the wire processor's name, factory identification, and label; also this identification may be on packing list packaged with the processed wire or it may be on a print covering the processed wire. When a print is used, the print number, including the last revision note, shall be marked on the carton near the Recognition Marking and manufacturing name.

The marking legend shall include only information which is in agreement with the information provided on the marking tag of the original wire manufacturer.

AY/AY:alh
PC LBRY/mro

AY/AY:alh
PC LBRY/mro

D E S C R I P T I O N

PRODUCT COVERED:

Component - Processed Wire.

GENERAL:

Component processed wire shall be defined as specific lengths of Appliance Wiring Material which may or may not have the insulation stripped from one or both ends. It may be supplied with soldering or tinning on the stripped ends or with simple terminals (eyelets, rings, open spade, quick-connect type, etc.) attached by crimping or soldering. No more than one style of Appliance Wiring Material shall be packaged in a common bundle or carton. The above definition includes "respooling".

CONSTRUCTION DETAILS:

1. Wire - All wire used shall be Recognized Component - Appliance Wiring Material.

2. Stripped Ends - No strands shall be damaged or broken during the processing of wire.

3. Terminals - Brass, copper, bronze, or silver terminals are used unless specifically described herein. Terminals may or may not be Listed. There shall be no stray strand after installation of terminals. Tools used for the assembly of Listed terminals shall be the prescribed tool provided by the terminal manufacturer or described herein.

4. Supplementary Terminal Insulation - Supplementary terminal insulation is permitted if provided as part of the terminal by the manufacturer of the terminal or if insulation is Recognized tubing, having a temperature and voltage rating comparable to the rating of the wire insulation, sealed without decreasing the insulation thickness over the conductor.

5. Color-Coding of Wire - Coloring or adding stripes to insulated and jacketed PVC wire is acceptable. Any original markings on the wire must be legible after the wires are colored or striped.

CIRCUIT IDENTIFICATION:

Appliance Wiring Material is not required to carry any markers for circuit identification, but such markers may be employed provided they do not conflict in any way (cannot possibly be mistaken for) the required manufacturer's or temperature markers.

The following are applicable:

A. A continuous stripe applied helically to the surface of the insulation.

B. A broken stripe or series of dashes applied longitudinally. The breaks in the strips may be perpendicular or oblique.

C. Three or more continuous, longitudinal stripes, provided the temperature rating is indicated by ink printing of by indent printing.