Iri Safari
P T EWINDO
JL CIMUNCANG NO 68
BANDUNG JAWA BARAT
40125 INDONESIA

Date: 2019/02/18
Subscriber: 702056001
PartySite: 578546
File No: E132202
Project No: 4788555415
PD No: 19M05217
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.

MICHAEL KIRANGEN, UL INSPECTION CENTER INDONESIA, PT PAKAR SEMBILANRIBU, JL BETON 37, KAMPUNG AMBON, JAKARTA, Indonesia, 13210., PHONE: 21-470-1847, FAX: 011-62-21-470-1848, EMAIL: MIKIRANG@CBN.NET.ID

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 361

Production Date: UNKNOWN
Contact: Mr. Dian Ferdiana
Phone: +62 22 7208008
EMail: dian.ferdiana@ewindo.com

ADDENDUM TO TRANSMITTAL LETTER

Iri Safari
P T EWINDO
JL CIMUNCANG NO 68
BANDUNG JAWA BARAT
40125 INDONESIA

Date: 2019/02/18
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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)	2019/02/15
1992/02/05	1	2	Cert of Compliance	
1992/02/05	1	2	Table of Authorized Styles	
2019/02/15	1		Description Page(s)	
2019/02/15	1		Test Record	

***

The previous Table of Authorized Styles have been superceded by the enclosed Table of Authorized Style pages; please replace in the FUS Procedure.

Revised authorization page sent as a result of an International Name change to the UL Contracting Party.

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

COMPONENT - APPLIANCE WIRING MATERIAL
(AVLV2,AVLV8)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

Applicant: (702056-001)
578546 (Party Site)
P T EWINDO
JL CIMUNCANG NO 68
BANDUNG JAWA BARAT
40125 INDONESIA

Recognized Co.: (702056-001)
578546 (Party Site)
SAME AS APPLICANT

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. 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. Manufacturers without Internet access may obtain the current version of this document from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of this document or the Follow-Up Service Terms referenced below, please contact UL's Customer Service at http://www.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 service agreement is a Global Services Agreement ("GSA"), 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://services.ul.com/fus-service-terms. 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
Conformity Assessment Programs (CPO)
UL LLC

LOCATION

578546 (Party Site)
(702056-001) P T EWINDO
JL CIMUNCANG NO 68
BANDUNG JAWA BARAT
40125 INDONESIA

Factory ID:
UL Contracting Party for above site is: UL GmbH

TABLE OF AUTHORIZED STYLES MULTI-CONDUCTOR THERMOPLASTIC-INSULATED WIRE

	Page	Issued	Page	Issued	Page	Issued	Page	Issued
	2405	1997-09-17						
	2464	1999-01-13						
F	2468	1992-02-05						
F	2547	1992-07-23						
	2576	2019-02-15						
F	2651	1999-08-23						
F	2851	1998-11-18						
	2854	1992-07-23						
	20058	1992-02-05						
F	20251	2000-04-28						

Style 2576 Multiple Conductor Cable with Extruded Non-integral Jacket

Rating	80 deg C, 150 Vac, Cable flame.
Conductor	36-9 AWG, solid or stranded.
Insulated Conductor	Labeled or complying with Manufacturer's AWM Procedure.
Assembly	Two or more individually insulated conductors or groups of insulated conductors laid parallel or cabled together to form a flat, oval or round cable. Conductors in any group twisted together. If more than one group is used, groups shall also be twisted together. The length of lay of the twisted conductors or groups is not specified. The use of a barrier layer and/or fillers is optional. Cable may contain Labeled Flat Ribbon Style AWM which may be rolled or spiralled and formed around fillers or bunched singles. Fillers and/or tape wrap or extruded covering may be used.
Covering	Optional, extruded PVC, 5 mils minimum thickness at any point, over one or more groups of conductors.
Shield	Optional. The shield may be over one or more of the insulated conductors or applied between the conductor assembly and the optional covering.
Jacket	Extruded PVC.

Diameter of cable under jacket	Minimum average thickness	Minimum thickness at any point
1.000 inch or less	30 mils	24 mils
1.001-1.500 inch	45 mils	36 mils
1.501-2.500 inch	60 mils	48 mils

Standard	Appliance Wiring Material UL 758.
Marking	General.
Use	External interconnection or internal wiring of electronic equipment.

CERTIFICATE OF COMPLIANCE

Certificate Number	20190218-E132202
Report Reference	E132202-19920205
Issue Date	2019-FEBRUARY-18
Issued to:	P T EWINDO JL CIMUNCANG NO 68 BANDUNG JAWA BARAT 40125 INDONESIA
This certificate confirms that representative samples of	COMPONENT - APPLIANCE WIRING MATERIAL MULTI-CONDUCTOR THERMOPLASTIC-INSULATED WIRE; 2405, 2464, 2468, 2547, 2576, 2651, 2851, 2854, 20058, 20251
	Have been investigated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 758, Appliance Wiring Material
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This *Certificate of Compliance* does not provide authorization to apply the UL Recognized Component Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Bruce Mahrenholz, Director North American Certification Program

UL LLC

File E132202
Project 4788555415

February 15, 2019

REPORT

on

COMPONENT - Appliance Wiring Material

P.T. Ewindo

Bangdung, Indonesia

DESCRIPTION

PRODUCT COVERED:

Appliance Wiring Material, Style 2576, in accordance with UL 758, edition 3, revised 2017-06-02.

TEST RECORD NO. 1

SAMPLES:

Sample of AWM Style 2576 as indicated below and constructed as described herein, was submitted by the manufacturer for examination and test.

Material	Construction	Temperature, °C	Voltage, V	Thickness, mils	
				Average, mils	Minimum at any point, mils
PVC	Non-Integral Jacketed Cable (Unshielded)	80	150	22.6	16.7

GENERAL:

Test results relate only to the items tested.

The sample was submitted to include cable flame rating into PVC jacketed cable. Hence, only limited sample testing was considered necessary based on the previous investigations under File E132202, Report dated 1994-06-18, Test Record No. 5.

The following tests were conducted.

PVC Non-integral Jacketed Cable –

Test	Section
Thickness, Jacket	13.3
Physical Properties of Jacket, Unaged and Air Oven Aged	14
Cold Bend Test	23
Cable Flame Test	41

The test methods and results of the above tests have been reviewed and found in accordance with the requirements in UL 758.

Test Record Summary:

The results of this investigation indicate that the products evaluated comply with the applicable requirements in the standards and outline noted below and, therefore, such products are judged eligible to bear UL's Mark as described on the Conclusion Page of this Report. Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Standard or Outline	Title	Edition, Publication Date	Revision Date
UL 758	Appliance Wiring Material	3rd	2017-06-02

Test Record by:

ASHLEY EDWARDSINEW
Project Engineer

Reviewed by:

LIM DAESUNG
Engineering Manager

CONCLUSION

Samples of the components covered by this Report have been found to comply with the requirements covering the category and the components are found to comply with UL's applicable requirements. The description and test result in this Report are only applicable to the sample(s) investigated by UL and does not signify the product(s) described as being covered under UL's Follow-Up Service Program. When covered under UL's Follow-Up Service Program, the manufacturer is authorized to use the Recognized Marking on such products which comply with UL's Follow-Up Service Procedure and any other applicable requirements of UL LLC. The Recognized Component Mark of UL LLC on the product, or the Recognized Marking symbol on the product and the Recognized Component Mark on the smallest unit container in which the product is packaged, is the only method to identify products investigated by UL to published requirements and manufactured under UL's Recognition and Follow-Up Service.

Report by:	Reviewed by:
ASHLEY EDWARDSINEW	LIM DAESUNG
Project Engineer	Engineering Manager