

Report No.: HCD0044/2009

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Date: December 4, 2009

UNICABLE CO., LTD. 5F, NO. 111-33, SEC. 4, SAN HO ROAD, SAN CHUNG CITY, TAIPEI HSIEN, TAIWAN, R.O.C.

The following merchandise was submitted and identified by the vendor as:

**Product Description:** Type C

Style / Item No.: UT-D214F/ UT-D212M / No.1

Manufacturer/ Vendor: Unicable Co., Ltd.

**Country of Origin:** Taiwan

**Quantity:** Total 1 piece **Testing Period:** Dec. 4, 2009

We have tested the submitted sample(s) as requested and the following results were obtained:

(According to client's test specification, please see following sheets in detail.) Test Required:

1. Waterproof Test

Test Results: - PLEASE SEE ATTACHED SHEETS -

> Terence Hsieh Manager - Operation

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### 1. Waterproof Test:

#### **Test Equipment:**

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	self-made	SGS-ETR-0201	000001
AC/DC Withstand Voltage/ Insulation Tester	EXTECH	7142	1340019

#### **Lab Environmental Conditions:**

Ambient temperature: 25±3°C Relative humidity: 55±20%RH

#### <u>Test Method/ Specification:</u>

### (1) Waterproof Test

Test method: According to IEC 60529 Edition 2.1:2001-02--IPX7

Test means: Completely immerse the specimen in water in its service position as

specified by client.

Test condition: The lowest point of enclosures is located 1000 mm below the surface of the

water

Test duration: 30 minutes

Test Device: As shown in photo 4, 5

Examine the protection against ingress water of specimen and perform Dielectric Withstanding Voltage Test after this test.

#### (2) Dielectric Withstanding Voltage Test

Applied Voltage:  $500 V_{AC}$ Frequency: 60 Hz Duration time: 1 minute

Measuring position: As shown in photo 6, 7

Requirement: No flashover, no spark-over, no excess leakage and no break down between

the two contacts of all test samples.

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Specimen:

<u>UT-D214F/ UT-D212M / No.1</u> Style / Item No.:

Quantity: Total 1 piece

### **Test Result:**

1. Examination of product (Appearance check)

Check Item	
	Provide protection against ingress water?
Style / Item No.	
UT-D214F/ UT-D212M / No.1	Yes

## 2. Dielectric Withstanding Voltage Test

Style / Item No.	Dielectric Withstanding Voltage Test (500 V <sub>AC</sub> / 60 Hz, 1 minute)
UT-D214F/ UT-D212M / No.1	OK
Note: "OK" means no breakdown (leakage current < 0.5	mA)

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## **Test Photos:**



1. Appearance of specimen: UT-D214F/ UT-D212M



2. Appearance of specimen: UT-D214F



3. Appearance of specimen: UT-D212M



4. Waterproof Test



5. Waterproof Test

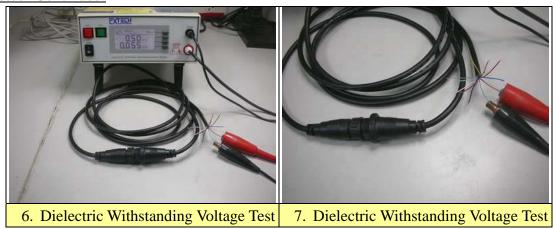
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### Test Photos--Continued:



-The End of Test Report -