



Reliability Laboratory

TEST REPORT

Report No.: HC20163/2009

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Date: March 24, 2009

MISUMI ELECTRONICS CORP.
5F-3, NO. 70, JIANN-LIOW RD., CHUNG-HO CITY,
TAIPEI SHANN, TAIWAN, R.O.C.

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

Product Description: Waterproof connector
Style/ Item No.: MQ Cable/ No.1
Quantity: Total 1 piece
Testing Period: Mar. 18, 2009 to Mar. 23, 2009

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

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

1. Dust test
2. Waterproof test

Test Results : -PLEASE SEE ATTACHED SHEETS-

Terence Hsieh
Manager - Operation

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1. Dust test:

Test Equipment:

Name	Brand	Model	Serial No.
Dust Tester	T-MACHINE	TMJ-9723C	T-23-050411

Lab Environmental Conditions:

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

Test Method/ Specification:

Test method: According to IEC 60529 Edition 2.1: 2001-02--IP6X (Dust test)
 Sample condition: Non-operating
 Type of dust: Talcum powder
 The amount of dust: 2 kg
 The chamber size: 1 m³
 The maximum depression: -20 mbar
 Test duration: 8 hours

- Examine the protection against ingress of dust of specimen after this test.



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Specimen:

Style/ Item No.: MQ Cable/ No.1

Quantity: Total 1 piece

Test Result:

Check Item	Does any dust deposit inside the enclosure at the end of the test?
Style/Item No.	
MQ Cable/ No.1	No

2. Waterproof Test:

Test Equipment:

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	self-made	SGS-ETR-0201	000001

Lab Environmental Conditions:

Ambient temperature: 25±3°C

Relative humidity: 55±20%RH

Test Method/ Specification:

Test method: According to IEC 60529 Edition 2.1:2001-02--IPX8

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: 60 minutes

Test Device: As shown in photo 4, 5

- Examine protection against ingress water of specimen after this test.



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Specimen:

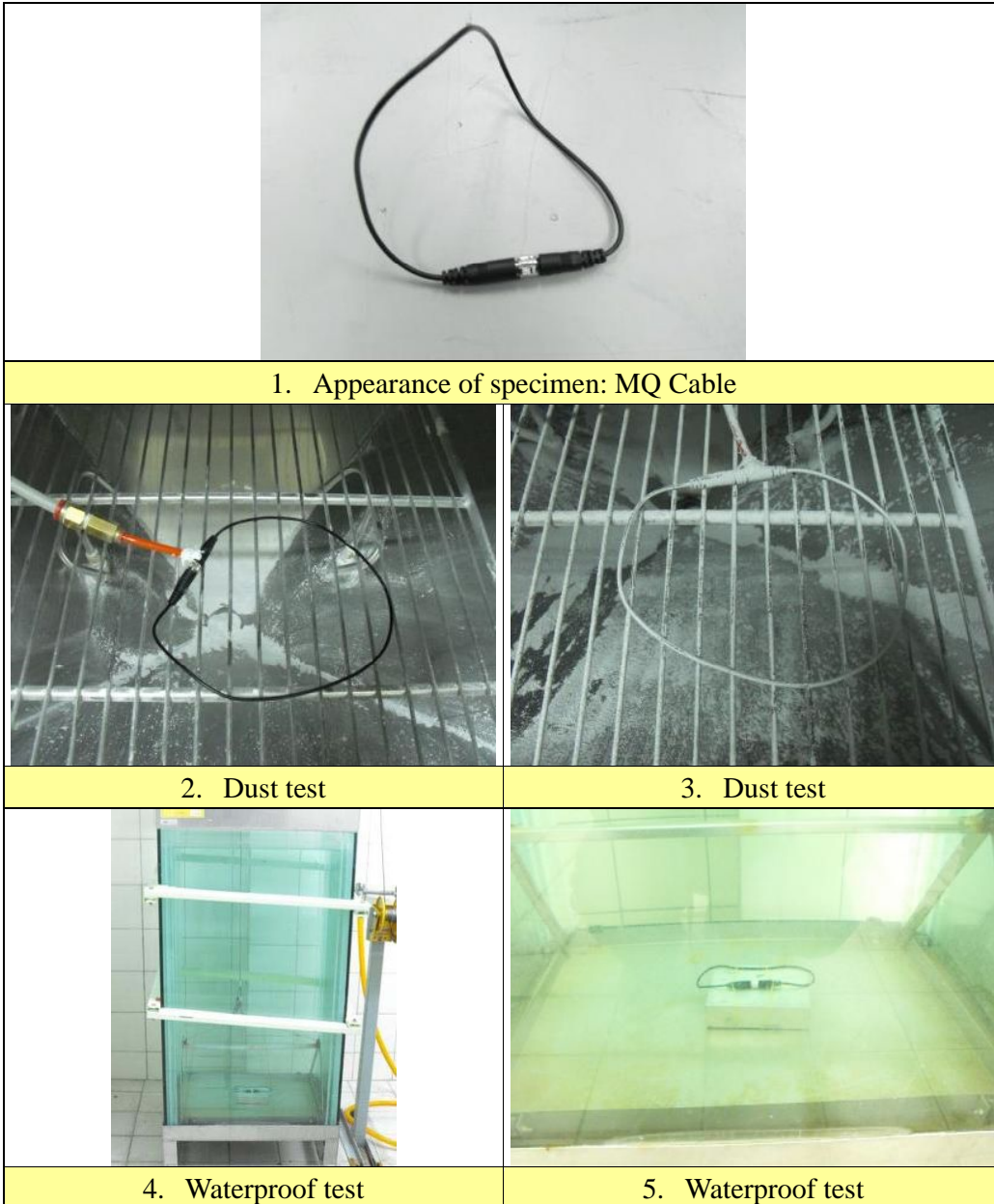
Style/ Item No.: MQ Cable/ No.1

Quantity: Total 1 piece

Test Result:

Check Item	Does any water permeated into the specimen?
Style/Item No.	
MQ Cable/ No.1	No

Test Photos:



— — — **The End of Test Report** — — —