
Test Report

Report No.: AGC07686200501SR02

PRODUCT DESIGNATION : M12 female straight molding cable,
M12 male straight molding cable,
M12 female right angle molding cable,
M12 male right angle molding cable

BRAND NAME : /

MODEL NAME : M12 cables

APPLICANT : Shenzhen Renhotec Technology Electronics Co., Ltd.

DATE OF ISSUE : Jun.03,2020

STANDARD(S) : IEC60529:1989+A1:1999+A2:2013 IP67

REPORT VERSION : V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd



TEST REPORT

Applicant : Shenzhen Renhotec Technology Electronics Co., Ltd.
Address : 8th Floor, Building 1, Yongfu Science and Technology Innovation Center Industrial Park,
Nanzha District 5, Humen Town, Dongguan City,China.
Sample Name : M12 female straight molding cable,M12 male straight molding cable,
M12 female right angle molding cable,M12 male right angle molding cable
Sample Model : M12 cables
Brand Name : /
Sample Quantity : 4PCS
Sample Received Date : May.28,2020
Tested Date : May.28,2020- May.29,2020
Test Standard : IEC60529:1989+A1:1999+A2:2013 IP67
Test Result : Pass

Prepared by



Jacy Wei(Wei Hai Yu)

Jun.03,2020

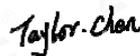
Reviewed by



Eric.lu(Lubiwen)

Jun.03,2020

Approved by

Taylor Chen(Chen Meng)
Technical Director

Jun.03,2020

Attestation of Global Compliance (Shenzhen) Co., Ltd.

CAUTION:

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of AGC, this report can't be reproduced except in full



TEST REPORT

REPORT REVISE RECORD

Report version	Revise time	Issued date	Valid version	Notes
V1.0	/	Jun.03,2020	Valid	Original Report



TEST REPORT

Test Item 1: IP6X Test

1) Environment conditions:

Temperature: 23.1°C Humidity: 55%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity
200527009-005	M12 female straight molding cable	M12 cables	1PC
200527009-006	M12 male straight molding cable	M12 cables	1PC
200527009-007	M12 female right angle molding cable	M12 cables	1PC
200527009-008	M12 male right angle molding cable	M12 cables	1PC

3) Test Standard: IEC60529:1989+A1:1999+A2:2013

4) Test Condition:

1. Protection test for dangerous parts:

Use a rigid steel rod (1 mm diameter) push against any openings of the enclosure, the test force is 1N.

2. Dust proof test:

1) The sample is pumped at negative pressure, the volume of air is <40times the volume of the shell per hour, the pressure inside the sample shell and the pressure outside the shell are not more than 2KPa

2) The amount of talcum powder: 2kg/m³

3) Test duration: 8H

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Cal. Date	Cal. Due
1	Φ1mm test probe	AGC-SA-E122	2019.08.15	2020.08.14
2	Dust Tester	AGC-RE-E018	2020.04.27	2021.04.26

6) Test Results:

Sample No.	Test result	Judgment
200527009-(005-008)	The test probe could not penetrate the inside of the sample; After the test, no dust inside the sample by visual inspection.	Pass



TEST REPORT

Sample Photo Before Test:



200527009-(005-006)



200527009-(007-008)

Sample Photo During Test:



200527009-(005-006) Probe Test



200527009-(007-008) Probe Test



200527009-(005-006) Dust Test



200527009-(007-008) Dust Test

TEST REPORT

Sample Photos After Test:



200527009-(005-006)



200527009-(007-008)



TEST REPORT

Test Item 2: IPX7 Test

1) Environment conditions:

Temperature: 23.1°C Humidity: 55%RH

2) Tested Sample:

Sample No.	Sample Name	Sample Model	Sample Quantity
200527009-005	M12 female straight molding cable	M12 cables	1PC
200527009-006	M12 male straight molding cable	M12 cables	1PC
200527009-007	M12 female right angle molding cable	M12 cables	1PC
200527009-008	M12 male right angle molding cable	M12 cables	1PC

3) Test Standard: IEC60529:1989+A1:1999+A2:2013

4) Test Condition:

1. Water-Level On Sample: at least 0.15 m above the top of the sample device, and at least 1 m above the bottom of the sample device.
2. Test Duration: 30 min.

5) Test Equipment:

Sequence	Equipment Name	Equipment No.	Cal. Date	Cal. Due
1	Waterproof test system	AGC-RE-E020	2019.06.17	2020.06.16

6) Test Results:

Sample No.	Test result	Judgment
200527009-(005-008)	After the test, no water inside the sample by visual inspection.	Pass



TEST REPORT

Sample Photo Before Test:



200527009-(005-006)



200527009-(007-008)

Sample Photo During Test:



200527009-(005-006)



200527009-(007-008)

Sample Photos After Test:



200527009-(005-006)



200527009-(007-008)

*** End of Report ***

laboratory address: 1/F., Building C, Qinyu Industrial Park, Sanwei Community, Bao'an Road, Hangcheng Street,
Bao'an District, Shenzhen, Guangdong, China.



TEST REPORT

Statement

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