

3C3 India Pvt Ltd

LETTER REPORT

SCOPE OF WORK

Performance testing of a cabling configuration electrical transmission performance to the requirements of ANSI/TIA-568.2-D for Category 6A channel.

REPORT NUMBER

104681160CRT-001

ISSUE DATE

11-May-2021

REVISED DATE

None

TESTS START DATE

10-May-2021

TESTS END DATE

10-May-2021

PAGES

4

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LETTER REPORT

11-May-2021

Intertek Report No. 104681160CRT-001

Intertek Project No. G104681160

Mr. Sunil Kumar M
3C3 India Pvt Ltd
No. 8A, Bidadi Industrial Area
2nd Phase, Sector-1. Ramanagar District
Ramanagar, Taluk- 562109
India

Subject: Performance testing of category 6A shielded channel per ANSI/TIA-568.2-D

Dear Mr. Kumar:

This letter report represents the results of our evaluation of the above referenced product(s) to the requirements contained in the following document(s):

ANSI/TIA-568.2-D-2018, Balanced Twisted-Pair Telecommunications Cabling and Components Standard, dated September 2018

SECTION 1 SUMMARY

Intertek wishes to inform you that the electrical transmission tests have been performed on your channel configuration. This testing was performed under project G104681160 and quotation CE-QUO-BAN-20-002526 issued 21-April-2021. Compliant results were obtained for the relevant tests contained in section 6.3 of ANSI/TIA-568.2-D for channel transmission performance.

SECTION 2 NON-CONFORMANCES

None

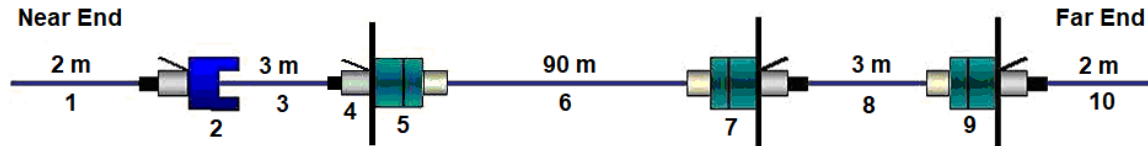
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SECTION 3

SAMPLE DESCRIPTION

The client supplied a 4-connector shielded channel as illustrated below.

The samples were received on 23-April-2021 and were production samples in undamaged condition.



Component Id	Manufacturer	Description	Part number
1, 10	3C3	S/FTP LSZH Patch Cord	23350-0200
2	3C3	Faceplate / Shielded Outlet	14041 / 12319
3	3C3	S/FTP LSZH Single-Ended Patch Cord	85601-0300
4	3C3	Shielded Field Terminable Plug	12919
5, 7	3C3	Patch Panel / Shielded Outlet	11810 / 12319
6	3C3	S/FTP LSZH Horizontal Cable	10310
8	3C3	S/FTP LSZH Single-Ended Patch Cord	85600-0300
9	3C3	Patch Panel / Shielded Outlet	11820 / 12319

SECTION 4

TEST EQUIPMENT USED

The following test equipment was used to conduct the testing.

Test equipment used	Model number	Control number	Calibration due date
Keysight Network Analyzer	E5080A	J387	25-February-2022
Keysight LCR Meter	4263B	N967	16-December-2021
Environmental chamber	Bally	3069	NCR
Hioki Humidity/Temperature Logger	LR8514	I081	23-October-2021

SECTION 5
TESTING

The tables below represent a summary of the tests and results. The detailed test data is enclosed to this letter report.

Test description	ANSI/TIA-568.2-D section	Result
DC loop resistance	6.3.1	Compliant
DC resistance unbalance within a pair	6.3.3	Compliant
DC resistance unbalance between pairs	6.3.4	Compliant
Return Loss	6.3.8	Compliant
Insertion Loss	6.3.9	Compliant
NEXT and PSNEXT	6.3.10 - 6.3.11	Compliant
ACR-N, PSACR-N	Not applicable	Compliant
FEXT, ACR-F and PSACR-F	6.3.12 - 6.3.15	Compliant
TCL	6.3.16	Compliant
TCTL, ELTCTL	6.3.17 - 6.3.18	Compliant
Propagation delay	6.3.21	Compliant
Propagation delay skew	6.3.22	Compliant
Coupling attenuation	6.3.19	Not applicable
PSANEXT	6.3.24	Not tested
Average PSANEXT	6.3.25	Not tested
PSAACRF	6.3.28	Not tested
Average PSAACRF	6.3.29	Not tested

SECTION 6
PROJECT STATUS & ACTION

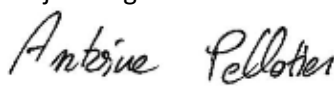
Issuance of this letter report completes the performance testing of this channel cabling configuration electrical transmission performance per ANSI/TIA-568.2-D covered by Intertek Project No. G104681160 and quotation CE-QUO-BAN-20-002526. The test results are compliant with the requirements of the standard and sections referred to on pages 2 and 4. The testing was performed at Intertek located in Cortland, NY.

If there are any questions regarding the results contained in this report, or any of the other services offered by Intertek, please do not hesitate to contact your dedicated Intertek Project Manager.

Completed by: David Ayers
Title: Technician

Signature: 
Date: 11-May-2021

Reviewed by: Antoine Pelletier
Title: Project Engineer

Signature: 
Date: 11-May-2021

Please note: this Letter Report does not represent authorization for the use of any Intertek certification marks.