

CommScope, Inc. of North Carolina LETTER REPORT

SCOPE OF WORK

ETL Verification final qualification testing of a 100 Ω , 4-pair telecommunication cable electrical transmission performance to the requirements of ANSI/TIA-568.2-D for Category 6A horizontal cable.

REPORT NUMBER

104196819CRT-001e

ISSUE DATE REVISED DATE

05-February-2020 None

TESTS START DATE TESTS END DATE

22-January-2020 05-February-2020

PAGES

4

DOCUMENT CONTROL NUMBER

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LETTER REPORT

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05-February-2020

Intertek Report No. 104196819CRT-001e Intertek Project No. G104196819

Mr. Thomas M. Faison CommScope, Inc. of North Carolina 3642 US Hwy 70 East Claremont NC 28610 USA

Subject: Final qualification testing of Category 6A cable per ANSI/TIA-568.2-D

Dear Mr. Faison:

This letter report represents the results of our evaluation of the above referenced product 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

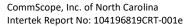
SECTION 1

SUMMARY

Intertek wishes to inform you that the electrical transmission tests have been performed on your cable. This testing was performed under project G104196819 and quotation Qu-01039511 issued 19-December-2019. Compliant results were obtained for the relevant tests contained in ANSI/TIA-568.2-D section 6.6 for horizontal cable transmission performance.

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SECTION 2

NON-CONFORMANCES

None

SECTION 3

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 Resistance	6.6.1	Compliant
DC Resistance unbalance	6.6.2	Compliant
DC Resistance unbalance pair-to-pair	NA	Not specified
Mutual capacitance	6.6.4	Compliant
Capacitance unbalance: pair-to-ground	6.6.5	Compliant
Characteristic impedance and SRL	6.6.6	Not specified
Return loss	6.6.7	Compliant
Insertion loss	6.6.8	Compliant
NEXT loss	6.6.9	Compliant
PSNEXT loss	6.6.10	Compliant
ACRF (ELFEXT)	6.6.12	Compliant
PSACRF (PSELFEXT)	6.6.14	Compliant
TCL	6.6.15	Compliant
ELTCTL	6.6.17	Compliant
Coupling Attenuation	6.6.18	Not applicable
Propagation Delay	6.6.19	Compliant
Propagation Delay skew	6.6.21	Compliant
Surface transfer impedance	6.6.23	Not applicable
PSANEXT	6.6.25	Not tested
PSAACRF	6.6.29	Not tested

Test equipment used	Model number	Control number	Calibration due date
Keysight Network Analyzer	E8357A	E382	07-January-2021
Keysight LCR Meter	4263B	R171	12-February-2020
Environmental chamber	Bally	3069	07-May-2020
Omega Humidity Temperature Meter	HH314A	T1392	11-February-2020
Temperature/humidity meter	OM-EL-USB-2-LCD	H243	28-March-2020



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SECTION 4

SAMPLE DESCRIPTION

An Intertek representative randomly selected a Category 6A, 4-Pair, 24 AWG, U/UTP, LSZH, horizontal (solid) cable identified as part number CS41ZC.

The sample was received on 20-January-2020 and was a production sample in undamaged condition.

SECTION 5

PROJECT STATUS & ACTION

Issuance of this letter report completes the final qualification testing of this cable electrical transmission performance per ANSI/TIA-568.2-D covered by Intertek Project No. G104196819 and quotation Qu-01039511. The test results are compliant with the requirements of the standard(s) and sections referred to on pages 2 and 3. 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 Reviewed by: Antoine Pelletier Title: Technician Title: Project Engineer

Signature: O5-February-2020 Signature Date: O5-February-2020

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

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