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October 30, 2017

Test report number 103241616CRT-001a  
Project number 103241616-311

CommScope, Inc of North Carolina  
3642 US Hwy 70 East  
Claremont NC 28610

**TEST:**

Initial qualification testing of a 100 Ω, 4-Pair telecommunication cable electrical transmission performance to the requirements of ANSI/TIA-568-C.2 for Category 6A horizontal cable.

**STANDARD USED:**

ANSI/TIA-568-C.2-2009: Balanced Twisted-Pair Telecommunications Cabling and Components Standards, dated August 2009

**SECTIONS:**

6.4: Horizontal cable transmission performance (6.4.1 to 6.4.27)

**AUTHORIZATION:**

The project was authorized by Mr. Wayne Hopkinson, representing CommScope, Inc of North Carolina, with signed quotation number Qu-00821264.

**SAMPLE DESCRIPTION:**

The client supplied 300 meters of a Category 6A, 4-Pair, 23 AWG, F/FTP, LSZH, Horizontal (solid) Cable, identified as part number 3296A. The sample was received on October 20, 2017 and was a production sample in undamaged condition.

**EQUIPMENT LIST:**

The following equipment was employed in conducting the tests.

<u>Equipment used</u>	<u>Model number</u>	<u>Control number</u>	<u>Calibration date</u>	<u>Calibration due date</u>
Keysight Network Analyzer	8753E	E307	3/9/2017	3/9/2018
Keysight Network Analyzer	E5061B	1637901H	1/17/2017	1/17/2018
Keysight LCR Meter	4263B	R171	12/19/2016	12/19/2017
Temperature humidity meter	OM-EL-USB-2-LCD	H243	2/21/2017	2/21/2018
Environmental Chamber	Bally	3069	5/2/2017	5/2/2018

**DATE OF TEST:**

October 24, 2017 through October 25, 2017

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**TEST REPORT REVISION HISTORY:**

First Issue:            October 30, 2017            Original Document

**RESULTS:** See appendices A through E for the test results.

**CONCLUSION:**

The 100  $\Omega$ , 4-Pair telecommunication cable, as previously described and supplied by the client, was tested in accordance with the standard referred to on page 1, and did comply with the indicated applicable transmission requirements. The testing was performed at Intertek located in Cortland, New York.

The procedures and requirements were taken from the standard referred to on page 1.

Reviewed and Approved By:

Antoine Pelletier  
Project Engineer  
Global Cabling Products Testing

David Ayers  
Technician  
Global Cabling Products Testing