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September 20, 2017

Test report number 103219494CRT-001b  
Project number 103219494-311

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 IEC 61156-5, as referenced in ISO/IEC 11801, for Category 6 Solid cable.

**STANDARD USED:**

IEC 61156-5 Edition 2.1, Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1000MHz - Horizontal floor wiring - Sectional specification, dated December 2012

**SECTIONS:**

6.2.1, 6.2.2, 6.2.5, 6.2.6 and 6.3.1 to 6.3.11

**AUTHORIZATION:**

The project was authorized by Mr. Wayne Hopkinson, representing the client, CommScope, Inc of North Carolina, with signed quotation number Qu-00818530.

**SAMPLE DESCRIPTION:**

The client supplied 100 meters of a Category 6, 4-Pair, 23 AWG, U/UTP, Horizontal (solid) Cable, identified as part number CS34ZB. The sample was received on September 12, 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 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:**

September 19, 2017 through September 20, 2017



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**TEST REPORT REVISION HISTORY:**

First Issue:            September 20, 2017            Original Document

**RESULTS:** See appendixes A and B 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