



3933 US Route 11  
Cortland, NY 13045

Telephone: (607) 753-6711  
Facsimile: (607) 758-3648  
www.intertek-etlsemko.com

September 20, 2017

Test report number 103219494CRT-001a  
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 ANSI/TIA-568-C.2 for Category 6 solid 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 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



This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only the sample tested. This report by itself does not imply that the material, product or service is or has ever been under an Intertek certification program.



**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