

# CommScope, Inc. of North Carolina **LETTER REPORT**

## SCOPE OF WORK

Testing of a cabling configuration Bit Error Rate (BER) and Frame Check Sequence (FCS) performance to the requirements of IEEE 802.3™ for 10BASE-T, 100BASE-T and 1000BASE-T operation at extended distances

## REPORT NUMBER

105853508CRT-001e

## ISSUE DATE

24-June-2024

## REVISED DATE

None

## TESTS START DATE

24-June-2024

## TESTS END DATE

24-June-2024

## PAGES

4

## DOCUMENT CONTROL NUMBER

GFT-OP-10a (6-March-2017)

© 2017 INTERTEK



## LETTER REPORT

24-June -2024

Intertek Report No. 105853508CRT-001e

Intertek Project No. G105853508

Mr. Wayne Hopkinson  
CommScope, Inc. of North Carolina  
3642 US Hwy 70 East  
Claremont NC 28610  
USA

**Subject:** Bit Error Rate (BER) and Frame Check Sequence (FCS) errors testing of category 6 unshielded channel for support of 10BASE-T, 100BASE-T and 1000BASE-T operation at extended distances

Dear Mr. Hopkinson:

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

IEEE Std 802.3™-2022 Standard for Ethernet, Approved 13-May-2022

### SECTION 1 SUMMARY

Intertek wishes to inform you that the bit error rate (BER) and frame check sequence (FCS) tests have been performed on your channel configuration. This testing was performed under project G105853508 and quotation Qu-01450453 issued 06-May-2024. Compliant results were obtained for the relevant tests contained in IEEE 802.3 for BER and FCS performance.

---

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 to 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.

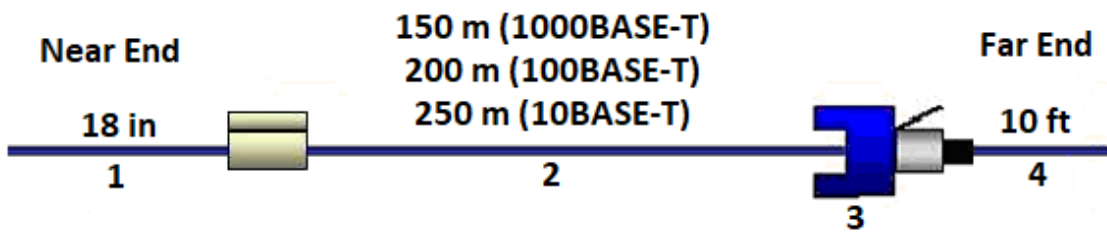
## SECTION 2 NON-CONFORMANCES

None

## SECTION 3 TEST CONFIGURATION

The client supplied a 2-connector unshielded channel as illustrated below.

The samples were received on 24-June-2024 and were production samples in undamaged condition.



Component Id	Manufacturer	Description	Part number
1	CommScope	Ceiling Connector Assembly (CCA)	CO1SJO2-88N018
2	CommScope	U/UTP CMP horizontal cable	GigaREACH 2073A
3	CommScope	Modular jack	MGS400
4	CommScope	Modular cord	CPC3312-03F010

## SECTION 4 TEST EQUIPMENT USED

The following test equipment was used to conduct the testing.

Test equipment used	Model number	Serial number	Calibration due date
Spirent Chassis	SPT-3U	E13110519 (Chassis) E13110298 (Controller)	Verify before use
Spirent 10Gbps 8-port cards	hyperMETRICS FX 8PORT 10GBASE-T	E13501369 E14200195	
Temperature/humidity meter	OM-EL-USB-2-LCD	010038132	23-May-2025

## SECTION 5 TESTING

The following Ethernet events were monitored using the Spirent SPT-3U Ethernet monitoring platform during at least 10 minutes.

Test description	10BASE-T Results	100BASE-T Results	1000BASE-T Results
Bit Error Rate (BER)	No errors	No errors	No errors
Frame Check Sequence (FCS) errors	No errors	No errors	No errors

The ambient conditions during the testing were 20°C and 62% relative humidity.

## SECTION 6 PROJECT STATUS & ACTION

Issuance of this letter report completes the performance testing of this channel cabling configuration BER and FCS performance per IEEE 802.3 covered by Intertek Project No. G105853508 and quotation Qu-01450453. 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 the client's facility located in Claremont, NC and witnessed by an Intertek engineer.

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:		Signature:	
Date:	24-June-2024	Date:	24-June-2024

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