Intertek

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Project Number: 3193544

Date Issued: 5/12/2010

Certificate of Conformance Number: 3036131CRT-003

Test Report Number: 3193544CRT-042b

Berk-Tek®
A NEXANS COMPANY

Applicant:

Nexans Inc.
dba Berk-Tek
132 White Oak Road
New Holland, PA 17557

Applicant Contact: Mr. Steve Frei

Manufacturer:

Nexans Inc.
dba Berk-Tek
132 White Oak Road
New Holland, PA 17557USA

Mfg. Contact: Mr. Joel Fasnacht

Dear Mr. Steve Frei;

Intertek is pleased to provide this letter report covering the testing of one (1) 25 Pair, 24 AWG, UTP, CMR, Plenum, Horizontal (solid) Cable, Part Number: 10080224. The sample was selected from your manufacturer facility, Nexans Inc. DBA Berk-Tek, by the Intertek Inspector Mr. Ronald Williams on 4/29/2010, for Quarter 2 2010 Quarterly Follow-up Testing.

The testing was performed at Intertek located in Cortland, NY on 5/7/2010, to the TIA 568-C.2 Category 5e specifications and did comply with the applicable requirements of the specifications.

We have appreciated this opportunity to be of service to you. If there are any questions regarding this letter or any other services offered by Intertek, Please do not hesitate to contact us.

Refer to Appendix A for test summary results

Sincerely,

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Intertek Testing Services NA, Inc.   .SD 12.1.2 (6/19/08) Informative

Appendix A

Test Results

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Summary

Client	Nexans Inc	**Report No**	3193544CRT-042b
Specification	TIA-568-C2 - Cat 5e Backbone		
Part No	10080224	**Length**	100.
Test Started	5/7/2010 12:28:47 PM	**Temperature**	20 °C
Description	24x25 UTP-CMR-Backbone		
Technician	John Cash	**Test Status**	Complies

Limit Margin : 0.133 dB @ 1.613 MHz

Attenuation

Frequency (MHz) : (Blue - Worst Case, Green - Average)

Attenuation			
Freq	Worst Case	Average	Spec
1.	1.9	1.8	2.0
4.	3.9	3.7	4.1
8.	5.5	5.3	5.8
10.	6.1	5.9	6.5
16.	7.8	7.5	8.2
20.	8.8	8.4	9.3
25.	9.9	9.5	10.4
31.25	11.1	10.6	11.7
62.5	15.9	15.2	17.0
100.	20.4	19.5	22.0
350.	40.5	36.2	

Limit Margin : 1.905 dB @ 1.172 MHz

Return Loss

Frequency (MHz) : (Blue - Worst Case, Green - Average)

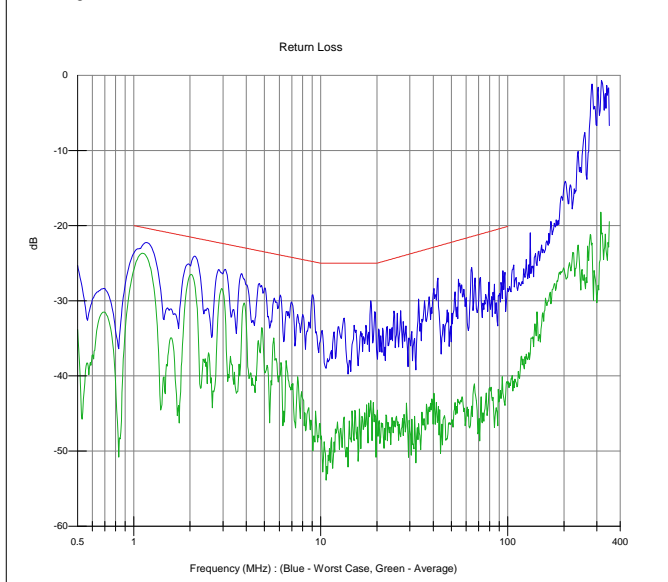| Return Loss			
Freq	Worst Case	Average	Spec
1.	23.7	25.9	20.0
4.	27.9	32.9	23.0
8.	32.0	42.9	24.5
10.	35.1	48.1	25.0
16.	37.2	48.6	25.0
20.	38.0	45.3	25.0
25.	35.1	46.7	24.3
31.25	36.3	49.0	23.6
62.5	32.2	46.8	21.5
100.	28.4	41.1	20.1
350.	6.7	19.5	

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Client Nexans Inc   **Report No** 3193544CRT-042b
Specification TIA-568-C2 - Cat 5e Backbone
Part No 10080224   **Length** 100.
Test Started 5/7/2010 12:28:47 PM   **Temperature** 20 °C
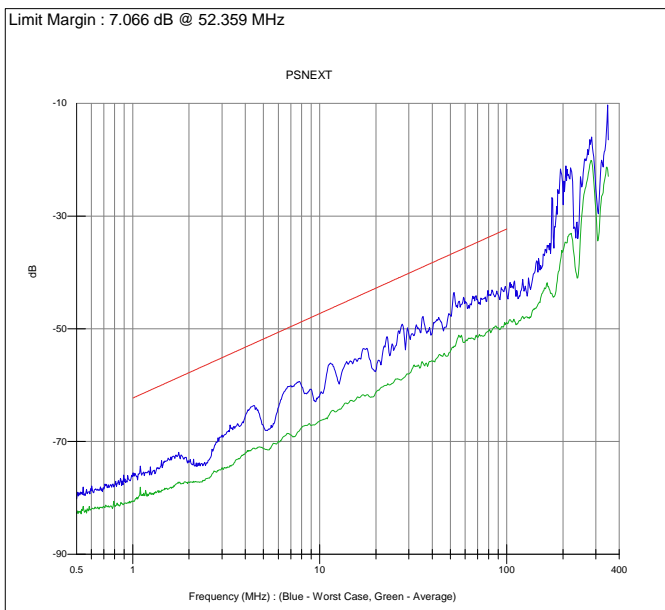**Description** 24x25 UTP-CMR-Backbone
Technician John Cash   **Test Status** Complies

Limit Margin : 8.504 dB @ 65.852 MHz

NEXT

Frequency (MHz) : (Blue - Worst Case, Green - Average)

NEXT			
Freq	Worst Case	Average	Spec
1.	84.1	98.4	65.3
4.	74.5	93.4	56.3
8.	63.9	88.6	51.8
10.	65.8	88.2	50.3
16.	60.4	83.8	47.2
20.	63.8	83.7	45.8
25.	58.4	82.3	44.3
31.25	54.6	77.2	42.9
62.5	49.7	73.5	38.4
100.	48.3	70.2	35.3
350.	18.8	41.0	

Limit Margin : 7.066 dB @ 52.359 MHz

PSNEXT

Frequency (MHz) : (Blue - Worst Case, Green - Average)

PSNEXT			
Freq	Worst Case	Average	Spec
1.	75.8	80.6	62.3
4.	65.5	72.0	53.3
8.	60.1	67.6	48.8
10.	61.8	66.4	47.3
16.	55.5	62.1	44.2
20.	57.8	61.3	42.8
25.	53.7	59.4	41.3
31.25	50.9	57.1	39.9
62.5	46.1	51.7	35.4
100.	43.7	48.9	32.3
350.	16.5	22.9	

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Summary

Client Nexans Inc
Specification TIA-568-C2 - Cat 5e Backbone
Part No 10080224
Test Started 5/7/2010 12:28:47 PM
Description 24x25 UTP-CMR-Backbone
Technician John Cash

Report No 3193544CRT-042b

Length 100.
Temperature 20 °C

Test Status Complies

Limit Margin : 3.810 dB @ 48.639 MHz

ELFEXT

dB vs Frequency (MHz) : (Blue - Worst Case, Green - Average)

ELFEXT			
Freq	Worst Case	Average	Spec
1.	70.7	95.4	63.8
4.	58.4	89.2	51.8
8.	52.4	84.5	45.7
10.	50.3	83.2	43.8
16.	45.5	78.1	39.7
20.	43.3	75.7	37.8
25.	40.6	73.8	35.8
31.25	38.7	69.1	33.9
62.5	32.2	64.7	27.9
100.	33.1	60.7	23.8
350.	14.0	25.2	

Limit Margin : 6.941 dB @ 37.734 MHz

PSELFEXT

dB vs Frequency (MHz) : (Blue - Worst Case, Green - Average)

PSELFEXT			
Freq	Worst Case	Average	Spec
1.	70.3	78.3	60.8
4.	58.5	68.9	48.8
8.	52.3	63.0	42.7
10.	50.2	61.3	40.8
16.	45.5	57.2	36.7
20.	43.4	55.1	34.8
25.	41.3	53.0	32.8
31.25	39.0	50.8	30.9
62.5	32.4	43.8	24.9
100.	33.3	40.1	20.8
350.	1.7	9.7	

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