



**Cable ID: R-2 C1**

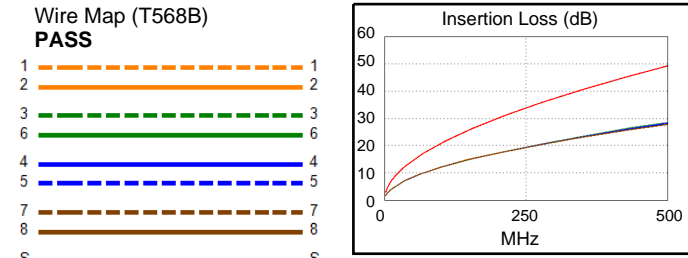
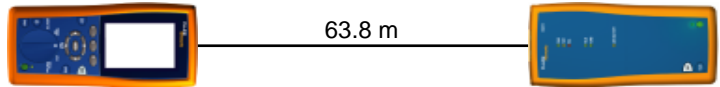
**Test Limit: TIA Cat 6A Channel**  
Limits Version: 1.9500  
Date / Time: 10.12.2024 10:26:29  
Operator: TEST  
**Headroom 7.4 dB (NEXT 3,6-4,5)**  
Cable Type: Cat 7 S/FTP  
NVP: 76.0%

Main: DTX CableAnalyzer  
S/N: 2654049  
Software Version: 2.7800  
Calibration Date: 10.01.2024  
Adapter: DTX-PLA002  
S/N: MCBJBNV

**Test Summary: PASS**

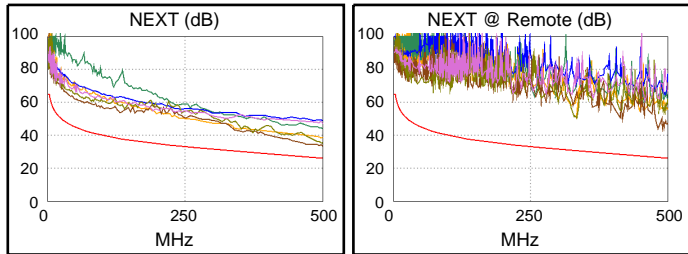
Remote: DTX CableAnalyzer  
S/N: 2654050  
Software Version: 2.7800  
Calibration Date: 10.01.2024  
Adapter: DTX-CHA002  
S/N: MCCENS2

Length (m), Limit 100.0	[Pair 4,5]	63.8
Prop. Delay (ns), Limit 555	[Pair 1,2]	286
Delay Skew (ns), Limit 50	[Pair 1,2]	6
Resistance (ohms)	[Pair 1,2]	8.9
Insertion Loss Margin (dB)	[Pair 3,6]	20.9
Frequency (MHz)	[Pair 3,6]	500.0
Limit (dB)	[Pair 3,6]	49.3

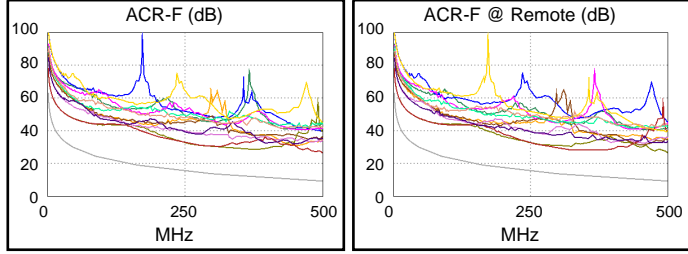


**Worst Case Margin Worst Case Value**

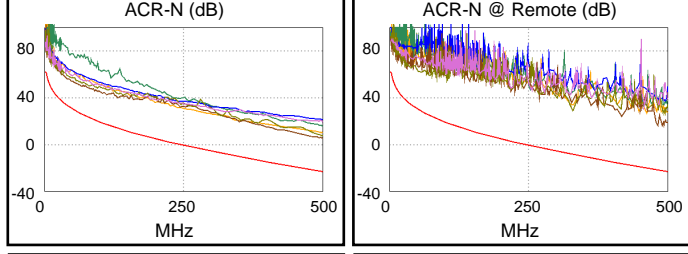
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
<b>NEXT (dB)</b>	7.4	17.5	7.4	17.5
Freq. (MHz)	500.0	482.0	500.0	482.0
Limit (dB)	26.1	26.5	26.1	26.5
Worst Pair	3,6	3,6	3,6	3,6
<b>PS NEXT (dB)</b>	7.4	20.0	7.4	20.0
Freq. (MHz)	499.0	482.0	499.0	482.0
Limit (dB)	23.3	23.7	23.3	23.7



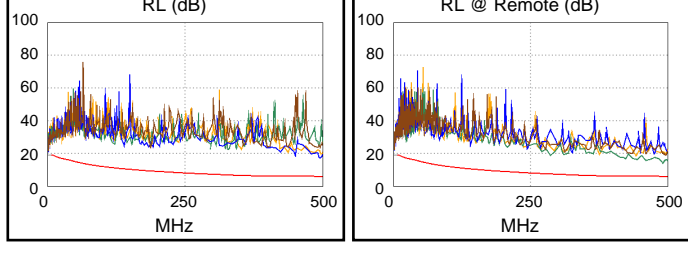
<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	3,6-4,5
<b>ACR-F (dB)</b>	15.1	14.9	17.2	17.4
Freq. (MHz)	319.0	341.0	499.0	499.0
Limit (dB)	13.2	12.6	9.3	9.3
Worst Pair	3,6	3,6	3,6	4,5
<b>PS ACR-F (dB)</b>	17.0	16.8	19.0	20.0
Freq. (MHz)	1.0	1.0	499.0	499.0
Limit (dB)	60.3	60.3	6.3	6.3



<b>N/A</b>	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
<b>ACR-N (dB)</b>	17.8	22.5	28.5	38.6
Freq. (MHz)	3.1	3.3	500.0	490.0
Limit (dB)	61.1	60.7	-23.2	-22.4
Worst Pair	3,6	3,6	3,6	3,6
<b>PS ACR-N (dB)</b>	18.5	23.8	28.3	40.9
Freq. (MHz)	3.1	3.3	499.0	490.0
Limit (dB)	58.3	58.2	-26.0	-25.3



<b>PASS</b>	MAIN	SR	MAIN	SR
Worst Pair	4,5	3,6	4,5	3,6
<b>RL (dB)</b>	8.6	8.0	11.2	8.0
Freq. (MHz)	7.4	491.0	495.0	491.0
Limit (dB)	19.0	6.0	6.0	6.0



Compliant Network Standards:  
 10BASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T    2.5GBASE-T      5GBASE-T  
 10GBASE-T    ATM-25            ATM-51  
 ATM-155      100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive



**Cable ID: R-2 R-6-9**

**Test Summary: PASS**

Date / Time: 11.12.2024 12:35:37  
Cable Type: OS2 Singlemode

n = 1.466000 (1310 nm)  
n = 1.467000 (1550 nm)

**Loss (R->M)**  
**PASS**

Test Limit: 10GBASE-L  
Limits Version: 1.9500  
Date / Time: 11.12.2024 12:35:37  
Operator: HASIC DENIS  
Main: DTX CableAnalyzer  
S/N: 2654049  
Software Version: 2.7800  
Module: DTX-SFM2  
S/N: 9583078  
Calibration Date: 14.01.2024  
Remote: DTX CableAnalyzer  
S/N: 2654050  
Software Version: 2.7800  
Module: DTX-SFM2  
S/N: 9583073  
Calibration Date: 14.01.2024

Propagation Delay (ns)	1535	
Length m	313.9	PASS
Limit 10000.0		
	1310 nm	1550 nm
Result	PASS	
Loss (dB)	0.43	0.58
Limit (dB)	6.20	
Margin (dB)	5.77	
Reference (dBm)	-6.95	-6.77

Number of Adapters: 2  
Number of Splices: 2  
Patch Type: OS2 Singlemode  
Patch Length1 (m): 2.0  
Patch Length2 (m): 2.0  
Reference Date: 11.12.2024 12:06:32  
2 Jumper

Compliant Network Standards:

- |                           |                            |                            |
|---------------------------|----------------------------|----------------------------|
| 1000BASE-LX               | 100GBASE-ER4               | 100GBASE-LR4               |
| 10GBASE-E                 | 10GBASE-L                  | 10GBASE-LX4                |
| 40GBASE-ER4               | 40GBASE-FR                 | 40GBASE-LR4                |
| Fibre Channel 100-SM-LC-L | Fibre Channel 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L |
| Fibre Channel 200-SM-LC-L | Fibre Channel 400-SM-LC-L  | Fibre Channel 400-SM-LC-M  |
| Fibre Channel 800-SM-LC-L | Fibre Channel 800-SM-LC-L  |                            |