

LinkWare Live

Official Summary

Certification Report



Exclusively For:	Prepared By:	Projects
	Systec101	JESSE LEE FIBER BACKBONE
	Murat Yildirim	
	info@systec101.com	

Product Name	Serial Number	Firmware Version	Calibration Date
CFP-QUAD	19410064	V6.9 Build 2	11/03/2022
CFP-QUAD	19420167	V6.9 Build 2	11/03/2022

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
CH1	PASS	TIA-568.3-E Singlemode ISP (STD)	451 ft	0.60 dB (Loss Margin)	02/04/2024 11:55:00 AM
CH10	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.78 dB (Loss Margin)	02/04/2024 12:11:21 PM
CH11	PASS	TIA-568.3-E Singlemode ISP (STD)	449 ft	0.20 dB (Loss Margin)	02/04/2024 12:15:11 PM
CH12	PASS	TIA-568.3-E Singlemode ISP (STD)	449 ft	0.88 dB (Loss Margin)	02/04/2024 12:15:11 PM
CH2	PASS	TIA-568.3-E Singlemode ISP (STD)	451 ft	0.64 dB (Loss Margin)	02/04/2024 11:55:00 AM
CH3	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.49 dB (Loss Margin)	02/04/2024 11:58:20 AM
CH4	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.79 dB (Loss Margin)	02/04/2024 11:58:20 AM
CH5	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.52 dB (Loss Margin)	02/04/2024 12:00:48 PM
CH6	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.76 dB (Loss Margin)	02/04/2024 12:00:48 PM
CH7	PASS	TIA-568.3-E Singlemode ISP (STD)	449 ft	0.08 dB (Loss Margin)	02/04/2024 12:08:04 PM
CH8	PASS	TIA-568.3-E Singlemode ISP (STD)	449 ft	0.99 dB (Loss Margin)	02/04/2024 12:08:04 PM
CH9	PASS	TIA-568.3-E Singlemode ISP (STD)	452 ft	0.44 dB (Loss Margin)	02/04/2024 12:11:21 PM
MH1	PASS	TIA-568.3-E Singlemode ISP (STD)	151 ft	0.12 dB (Loss Margin)	02/04/2024 02:16:32 PM
MH10	PASS	TIA-568.3-E Singlemode ISP (STD)	147 ft	0.02 dB (Loss Margin)	02/04/2024 02:42:31 PM
MH11	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.91 dB (Loss Margin)	02/04/2024 02:45:08 PM
MH12	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.43 dB (Loss Margin)	02/04/2024 02:45:08 PM
MH2	PASS	TIA-568.3-E Singlemode ISP (STD)	151 ft	0.03 dB (Loss Margin)	02/04/2024 02:16:32 PM
MH3	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.81 dB (Loss Margin)	02/04/2024 02:21:46 PM
MH4	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.23 dB (Loss Margin)	02/04/2024 02:21:47 PM
MH5	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.33 dB (Loss Margin)	02/04/2024 02:31:46 PM
MH6	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.66 dB (Loss Margin)	02/04/2024 02:31:46 PM
MH7	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	1.02 dB (Loss Margin)	02/04/2024 02:39:02 PM
MH8	PASS	TIA-568.3-E Singlemode ISP (STD)	146 ft	0.01 dB (Loss Margin)	02/04/2024 02:39:02 PM
MH9	PASS	TIA-568.3-E Singlemode ISP (STD)	147 ft	0.41 dB (Loss Margin)	02/04/2024 02:42:31 PM

Total Length:	7174 ft
No of Reports:	24
No of Passing Reports:	24
No of Failing Reports:	0
No of Warning Reports:	0
Documentation only:	0



Cable ID: CH1

Test Summary: PASS

Date / Time: 02/04/2024 11:55:00 AM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 11:55:00 AM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	451	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.77	1.04
Limit (dB)	1.64	1.64
Margin (dB)	0.87	0.60
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH10

Test Summary: PASS

Date / Time: 02/04/2024 12:11:21 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 12:11:21 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.86	0.73
Limit (dB)	1.64	1.64
Margin (dB)	0.78	0.91
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH11

Test Summary: PASS

Date / Time: 02/04/2024 12:15:11 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 12:15:11 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	670	
Length (ft)	449	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.36	1.44
Limit (dB)	1.64	1.64
Margin (dB)	0.28	0.20
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH12

Test Summary: PASS

Date / Time: 02/04/2024 12:15:11 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS
Date / Time: 02/04/2024 12:15:11 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	670	
Length (ft)	449	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.75	0.76
Limit (dB)	1.64	1.64
Margin (dB)	0.89	0.88
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:		
1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
40GBASE-FR	40GBASE-LR4	100GBASE-ER4
100GBASE-LR4	Fibre Channel 100-SM-LC-L	Fibre Channel 200-SM-LC-L
Fibre Channel 400-SM-LC-M	Fibre Channel 400-SM-LC-L	Fibre Channel 800-SM-LC-L
Fibre Channel 800-SM-LC-I	Fibre Channel 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: CH2

Test Summary: PASS

Date / Time: 02/04/2024 11:55:00 AM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS
Date / Time: 02/04/2024 11:55:00 AM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	451	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.95	1.00
Limit (dB)	1.64	1.64
Margin (dB)	0.69	0.64
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH3

Test Summary: PASS

Date / Time: 02/04/2024 11:58:20 AM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 11:58:20 AM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.91	1.15
Limit (dB)	1.64	1.64
Margin (dB)	0.73	0.49
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH4

Test Summary: PASS

Date / Time: 02/04/2024 11:58:20 AM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 11:58:20 AM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.72	0.85
Limit (dB)	1.64	1.64
Margin (dB)	0.92	0.79
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH5

Test Summary: PASS

Date / Time: 02/04/2024 12:00:48 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 12:00:48 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	675	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.91	1.12
Limit (dB)	1.64	1.64
Margin (dB)	0.73	0.52
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH6

Test Summary: PASS

Date / Time: 02/04/2024 12:00:48 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 12:00:48 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	675	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.77	0.88
Limit (dB)	1.64	1.64
Margin (dB)	0.87	0.76
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH7

Test Summary: PASS

Date / Time: 02/04/2024 12:08:04 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 12:08:04 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	670	
Length (ft)	449	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.48	1.56
Limit (dB)	1.64	1.64
Margin (dB)	0.16	0.08
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH8

Test Summary: PASS

Date / Time: 02/04/2024 12:08:04 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 12:08:04 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	670	
Length (ft)	449	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.60	0.65
Limit (dB)	1.64	1.64
Margin (dB)	1.04	0.99
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: CH9

Test Summary: PASS

Date / Time: 02/04/2024 12:11:21 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 12:11:21 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	674	
Length (ft)	452	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.03	1.20
Limit (dB)	1.64	1.64
Margin (dB)	0.61	0.44
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH1

Test Summary: PASS

Date / Time: 02/04/2024 02:16:32 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:16:32 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	225	
Length (ft)	151	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.29	1.43
Limit (dB)	1.55	1.55
Margin (dB)	0.26	0.12
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH10

Test Summary: PASS

Date / Time: 02/04/2024 02:42:31 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS
Date / Time: 02/04/2024 02:42:31 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	219	
Length (ft)	147	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.15	1.52
Limit (dB)	1.54	1.54
Margin (dB)	0.39	0.02
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:		
1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
40GBASE-FR	40GBASE-LR4	100GBASE-ER4
100GBASE-LR4	Fibre Channel 100-SM-LC-L	Fibre Channel 200-SM-LC-L
Fibre Channel 400-SM-LC-M	Fibre Channel 400-SM-LC-L	Fibre Channel 800-SM-LC-L
Fibre Channel 800-SM-LC-I	Fibre Channel 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: MH11

Test Summary: PASS

Date / Time: 02/04/2024 02:45:08 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:45:08 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.33	0.63
Limit (dB)	1.54	1.54
Margin (dB)	1.21	0.91
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH12

Test Summary: PASS

Date / Time: 02/04/2024 02:45:08 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS
Date / Time: 02/04/2024 02:45:08 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.76	1.11
Limit (dB)	1.54	1.54
Margin (dB)	0.78	0.43
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:		
1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
40GBASE-FR	40GBASE-LR4	100GBASE-ER4
100GBASE-LR4	Fibre Channel 100-SM-LC-L	Fibre Channel 200-SM-LC-L
Fibre Channel 400-SM-LC-M	Fibre Channel 400-SM-LC-L	Fibre Channel 800-SM-LC-L
Fibre Channel 800-SM-LC-I	Fibre Channel 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: MH2

Test Summary: PASS

Date / Time: 02/04/2024 02:16:32 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 02:16:32 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	225	
Length (ft)	151	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.09	1.52
Limit (dB)	1.55	1.55
Margin (dB)	0.46	0.03
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH3

Test Summary: PASS

Date / Time: 02/04/2024 02:21:46 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:21:46 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.49	0.73
Limit (dB)	1.54	1.54
Margin (dB)	1.05	0.81
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH4

Test Summary: PASS

Date / Time: 02/04/2024 02:21:47 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 02:21:47 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.72	1.31
Limit (dB)	1.54	1.54
Margin (dB)	0.82	0.23
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH5

Test Summary: PASS

Date / Time: 02/04/2024 02:31:46 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS
Date / Time: 02/04/2024 02:31:46 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.57	1.21
Limit (dB)	1.54	1.54
Margin (dB)	0.97	0.33
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:		
1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
40GBASE-FR	40GBASE-LR4	100GBASE-ER4
100GBASE-LR4	Fibre Channel 100-SM-LC-L	Fibre Channel 200-SM-LC-L
Fibre Channel 400-SM-LC-M	Fibre Channel 400-SM-LC-L	Fibre Channel 800-SM-LC-L
Fibre Channel 800-SM-LC-I	Fibre Channel 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: MH6

Test Summary: PASS

Date / Time: 02/04/2024 02:31:46 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:31:46 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.61	0.88
Limit (dB)	1.54	1.54
Margin (dB)	0.93	0.66
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH7

Test Summary: PASS

Date / Time: 02/04/2024 02:39:02 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:39:02 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.32	0.52
Limit (dB)	1.54	1.54
Margin (dB)	1.22	1.02
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH8

Test Summary: PASS

Date / Time: 02/04/2024 02:39:02 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (M->R)
PASS

Date / Time: 02/04/2024 02:39:02 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	218	
Length (ft)	146	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.81	1.53
Limit (dB)	1.54	1.54
Margin (dB)	0.73	0.01
Reference (dBm)	-2.84	-2.82

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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



Cable ID: MH9

Test Summary: PASS

Date / Time: 02/04/2024 02:42:31 PM
Cable Type : OS2 Singlemode

n = 1.467000 (1310 nm)
n = 1.467800 (1490 nm)
n = 1.468000 (1550 nm)

Backscatter Coefficient: -79.50 dB (1310 nm)
Backscatter Coefficient: -81.00 dB (1490 nm)
Backscatter Coefficient: -82.00 dB (1550 nm)

Project: JESSE LEE FIBER BACKBONE

Loss (R->M)
PASS

Date / Time: 02/04/2024 02:42:31 PM
Test Limit: TIA-568.3-E Singlemode ISP (STD)
Operator: MURAT
CertiFiber Pro (19265199 V6.9 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.9 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	219	
Length (ft)	147	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.06	1.13
Limit (dB)	1.54	1.54
Margin (dB)	0.48	0.41
Reference (dBm)	-3.21	-3.04

Number of Adapters: 2
Number of Splices: 0
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 02/04/2024 11:38:00 AM
1 Jumper

Compliant Network Standards:

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