

LinkWare Live

Official Summary

Certification Report



Exclusively For:	Prepared By:	Projects
	Systec101	LCC Single Mode 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
1	PASS	TIA-568.3-E Singlemode ISP (STD)	237 ft	0.22 dB (Loss Margin)	05/23/2024 10:59:28 AM
10	PASS	TIA-568.3-E Singlemode ISP (STD)	189 ft	0.10 dB (Loss Margin)	05/23/2024 11:51:40 AM
11	PASS	TIA-568.3-E Singlemode ISP (STD)	189 ft	1.38 dB (Loss Margin)	05/23/2024 11:54:29 AM
12	PASS	TIA-568.3-E Singlemode ISP (STD)	189 ft	0.76 dB (Loss Margin)	05/23/2024 11:54:29 AM
2	PASS	TIA-568.3-E Singlemode ISP (STD)	237 ft	0.58 dB (Loss Margin)	05/23/2024 10:59:28 AM
3	PASS	TIA-568.3-E Singlemode ISP (STD)	234 ft	1.30 dB (Loss Margin)	05/23/2024 11:02:58 AM
4	PASS	TIA-568.3-E Singlemode ISP (STD)	234 ft	1.64 dB (Loss Margin)	05/23/2024 11:02:58 AM
5	PASS	TIA-568.3-E Singlemode ISP (STD)	235 ft	1.37 dB (Loss Margin)	05/23/2024 11:05:40 AM
6	PASS	TIA-568.3-E Singlemode ISP (STD)	235 ft	0.52 dB (Loss Margin)	05/23/2024 11:05:40 AM
7	PASS	TIA-568.3-E Singlemode ISP (STD)	187 ft	1.95 dB (Loss Margin)	05/23/2024 11:46:00 AM
8	PASS	TIA-568.3-E Singlemode ISP (STD)	187 ft	1.72 dB (Loss Margin)	05/23/2024 11:46:00 AM
9	PASS	TIA-568.3-E Singlemode ISP (STD)	189 ft	1.52 dB (Loss Margin)	05/23/2024 11:51:40 AM
TRC20240523:10:39:50.01	INFO	TRC Limit	0 ft	0.23 dB (Loss Margin)	05/23/2024 10:39:49 AM
TRC20240523:10:39:50.02	INFO	TRC Limit	0 ft	0.09 dB (Loss Margin)	05/23/2024 10:39:50 AM

Total Length:	2542 ft
No of Reports:	14
No of Passing Reports:	12
No of Failing Reports:	0
No of Warning Reports:	0
Documentation only:	2



Cable ID: 1

Test Summary: PASS

Date / Time: 05/23/2024 10:59:28 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 10:59:28 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)	354	
Length (ft)	237	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.79	1.95
Limit (dB)	2.17	2.17
Margin (dB)	1.38	0.22
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 10

Test Summary: PASS

Date / Time: 05/23/2024 11:51:40 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 11:51:40 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)	283	
Length (ft)	189	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.46	2.06
Limit (dB)	2.16	2.16
Margin (dB)	0.70	0.10
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 11

Test Summary: PASS

Date / Time: 05/23/2024 11:54:29 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 11:54:29 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)	282	
Length (ft)	189	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.72	0.78
Limit (dB)	2.16	2.16
Margin (dB)	1.44	1.38
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 12

Test Summary: PASS

Date / Time: 05/23/2024 11:54:29 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 11:54:29 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)	282	
Length (ft)	189	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.83	1.40
Limit (dB)	2.16	2.16
Margin (dB)	1.33	0.76
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 2

Test Summary: PASS

Date / Time: 05/23/2024 10:59:28 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 10:59:28 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)	354	
Length (ft)	237	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.71	1.59
Limit (dB)	2.17	2.17
Margin (dB)	1.46	0.58
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 3

Test Summary: PASS

Date / Time: 05/23/2024 11:02:58 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 11:02:58 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)	350	
Length (ft)	234	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.23	0.87
Limit (dB)	2.17	2.17
Margin (dB)	1.94	1.30
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 4

Test Summary: PASS

Date / Time: 05/23/2024 11:02:58 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 11:02:58 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)	350	
Length (ft)	234	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.19	0.53
Limit (dB)	2.17	2.17
Margin (dB)	1.98	1.64
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 5

Test Summary: PASS

Date / Time: 05/23/2024 11:05:40 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 11:05:40 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)	351	
Length (ft)	235	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.39	0.80
Limit (dB)	2.17	2.17
Margin (dB)	1.78	1.37
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 6

Test Summary: PASS

Date / Time: 05/23/2024 11:05:40 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 11:05:40 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)	351	
Length (ft)	235	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.54	1.65
Limit (dB)	2.17	2.17
Margin (dB)	1.63	0.52
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 7

Test Summary: PASS

Date / Time: 05/23/2024 11:46:00 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 11:46:00 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)	279	
Length (ft)	187	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.08	0.21
Limit (dB)	2.16	2.16
Margin (dB)	2.08	1.95
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 8

Test Summary: PASS

Date / Time: 05/23/2024 11:46:00 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: LCC Single Mode Fiber Backbone

Loss (M->R)

PASS

Date / Time: 05/23/2024 11:46:00 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)	279	
Length (ft)	187	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.44	0.33
Limit (dB)	2.16	2.16
Margin (dB)	1.72	1.83
Reference (dBm)	-2.97	-3.09

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: 9

Test Summary: PASS

Date / Time: 05/23/2024 11:51:40 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: LCC Single Mode Fiber Backbone

Loss (R->M)

PASS

Date / Time: 05/23/2024 11:51:40 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)	283	
Length (ft)	189	PASS
Limit 131234		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.40	0.64
Limit (dB)	2.16	2.16
Margin (dB)	1.76	1.52
Reference (dBm)	-3.18	-3.15

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 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: TRC20240523:10:39:50.01

Test Summary: INFO

Date / Time: 05/23/2024 10:39:49 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: LCC Single Mode Fiber Backbone

Loss (R->M)
INFO

Date / Time: 05/23/2024 10:39:49 AM
Test Limit: TRC Limit
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)	0	
Length (ft)	0	
	1310 nm	1550 nm
Result	INFO	INFO
Loss (dB)	-0.03	0.02
Limit (dB)	0.25	0.25
Margin (dB)	0.28	0.23
Reference (dBm)	-3.18	-3.15

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/23/2024 10:37:00 AM
1 Jumper

Cable ID: TRC20240523:10:39:50.02

Date / Time: 05/23/2024 10:39:50 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)

Test Summary: INFO

Project: LCC Single Mode Fiber Backbone

Loss (M->R) INFO	Prop. Delay (ns)		0
	Length (ft)		0
Date / Time: 05/23/2024 10:39:50 AM	1310 nm		1550 nm
Test Limit: TRC Limit	Result	INFO	INFO
Operator: MURAT	Loss (dB)	0.16	0.13
CertiFiber Pro (19265199 V6.9 Build 2)	Limit (dB)	0.25	0.25
Module: CFP-QUAD (19420167)	Margin (dB)	0.09	0.12
Calibration Date: 11/03/2022	Reference (dBm)	-2.97	-3.09
CertiFiber Pro Remote (19300034 V6.9 Build 2)	Connector Type: LC Patch Length1 (ft): 7 Reference Date: 05/23/2024 10:37:00 AM 1 Jumper		
Module: CFP-QUAD (19410064)			
Calibration Date: 11/03/2022			