

LinkWare Live

Official Summary

Certification Report



Exclusively For:		Prepared By:	Projects
		Systec101	131 8 TH
		Murat Yildirim	
		info@systec101.com	
Product Name	Serial Number	Firmware Version	Calibration Date
CFP-QUAD	19420167	V6.12 Build 2	11/03/2022
CFP-QUAD	19410064	V6.12 Build 2	11/03/2022

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
001	FAIL	General Fiber Optic	146 ft	-12.41 dB (Loss Margin)	05/28/2025 02:51:06 PM
002	PASS	General Fiber Optic	146 ft	0.89 dB (Loss Margin)	05/28/2025 02:51:06 PM
004	PASS	General Fiber Optic	116 ft	2.82 dB (Loss Margin)	05/28/2025 02:57:14 PM
006	PASS	General Fiber Optic	113 ft	2.15 dB (Loss Margin)	05/28/2025 03:01:31 PM
007	PASS	General Fiber Optic	124 ft	2.56 dB (Loss Margin)	05/28/2025 03:04:49 PM
008	PASS	General Fiber Optic	124 ft	1.70 dB (Loss Margin)	05/28/2025 03:04:49 PM
009	PASS	General Fiber Optic	124 ft	2.57 dB (Loss Margin)	05/28/2025 03:05:01 PM
010	PASS	General Fiber Optic	124 ft	1.72 dB (Loss Margin)	05/28/2025 03:05:01 PM
012	PASS	General Fiber Optic	124 ft	1.72 dB (Loss Margin)	05/28/2025 03:05:08 PM
014	FAIL	General Fiber Optic	181 ft	-10.97 dB (Loss Margin)	05/28/2025 03:07:31 PM
016	FAIL	General Fiber Optic	185 ft	-12.42 dB (Loss Margin)	05/28/2025 03:24:34 PM
018	PASS	General Fiber Optic	165 ft	1.77 dB (Loss Margin)	05/28/2025 03:30:34 PM
020	PASS	General Fiber Optic	163 ft	1.39 dB (Loss Margin)	05/28/2025 03:34:42 PM
022	FAIL	General Fiber Optic	191 ft	-1.79 dB (Loss Margin)	05/28/2025 03:38:16 PM
024	PASS	General Fiber Optic	166 ft	1.74 dB (Loss Margin)	05/28/2025 03:40:41 PM
026	PASS	General Fiber Optic	222 ft	2.35 dB (Loss Margin)	05/28/2025 03:42:55 PM
028	PASS	General Fiber Optic	221 ft	1.90 dB (Loss Margin)	05/28/2025 03:44:47 PM
030	PASS	General Fiber Optic	234 ft	2.21 dB (Loss Margin)	05/28/2025 03:47:13 PM
032	PASS	General Fiber Optic	222 ft	0.61 dB (Loss Margin)	05/28/2025 03:50:13 PM
034	PASS	General Fiber Optic	222 ft	1.79 dB (Loss Margin)	05/28/2025 03:52:47 PM
036	PASS	General Fiber Optic	232 ft	1.42 dB (Loss Margin)	05/28/2025 03:54:36 PM
038	FAIL	General Fiber Optic	246 ft	-2.59 dB (Loss Margin)	05/28/2025 03:57:44 PM
040	PASS	General Fiber Optic	226 ft	0.27 dB (Loss Margin)	05/28/2025 04:04:34 PM
042	PASS	General Fiber Optic	122 ft	1.74 dB (Loss Margin)	05/28/2025 04:06:31 PM
044	PASS	General Fiber Optic	115 ft	1.42 dB (Loss Margin)	05/28/2025 04:08:31 PM
046	PASS	General Fiber Optic	221 ft	2.91 dB (Loss Margin)	05/28/2025 04:19:59 PM
048	PASS	General Fiber Optic	221 ft	3.31 dB (Loss Margin)	05/28/2025 04:22:39 PM
050	PASS	General Fiber Optic	216 ft	1.92 dB (Loss Margin)	05/28/2025 04:24:17 PM
052	PASS	General Fiber Optic	219 ft	1.94 dB (Loss Margin)	05/28/2025 04:26:52 PM
054	FAIL	General Fiber Optic	340 ft	-8.71 dB (Loss Margin)	05/28/2025 04:29:00 PM
055	FAIL	General Fiber Optic	338 ft	-1.50 dB (Loss Margin)	05/28/2025 04:32:59 PM
056	FAIL	General Fiber Optic	338 ft	-6.80 dB (Loss Margin)	05/28/2025 04:32:59 PM
058	FAIL	General Fiber Optic	338 ft	-6.80 dB (Loss Margin)	05/28/2025 04:33:18 PM
060	FAIL	General Fiber Optic	322 ft	-0.50 dB (Loss Margin)	05/28/2025 04:48:27 PM
1-1	PASS	General Fiber Optic	330 ft	5.82 dB (Loss Margin)	06/12/2025 03:58:45 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
10-2	PASS	General Fiber Optic	318 ft	2.08 dB (Loss Margin)	06/12/2025 04:36:53 PM
10-4	FAIL	General Fiber Optic	324 ft	-0.19 dB (Loss Margin)	06/12/2025 04:39:32 PM
11-1	FAIL	General Fiber Optic	246 ft	-4.80 dB (Loss Margin)	05/28/2025 03:57:44 PM
11-2	PASS	General Fiber Optic	226 ft	1.27 dB (Loss Margin)	05/28/2025 04:04:34 PM
11-2	FAIL	General Fiber Optic	238 ft	-0.24 dB (Loss Margin)	06/12/2025 05:01:52 PM
1-2	FAIL	General Fiber Optic	330 ft	-10.31 dB (Loss Margin)	06/12/2025 03:58:46 PM
1-3	FAIL	General Fiber Optic	344 ft	-13.25 dB (Loss Margin)	06/12/2025 04:01:05 PM
11-4	PASS	General Fiber Optic	224 ft	0.68 dB (Loss Margin)	06/12/2025 05:03:37 PM
12-1	PASS	General Fiber Optic	222 ft	2.17 dB (Loss Margin)	05/28/2025 03:52:47 PM
12-2	FAIL	General Fiber Optic	232 ft	-1.22 dB (Loss Margin)	05/28/2025 03:54:36 PM
12-2	PASS	General Fiber Optic	219 ft	2.78 dB (Loss Margin)	06/12/2025 05:05:07 PM
12-4	PASS	General Fiber Optic	212 ft	5.38 dB (Loss Margin)	06/12/2025 05:06:27 PM
13-1	PASS	General Fiber Optic	211 ft	5.71 dB (Loss Margin)	06/12/2025 05:15:47 PM
13-1	FAIL	General Fiber Optic	234 ft	-2.00 dB (Loss Margin)	05/28/2025 03:47:13 PM
13-10	PASS	General Fiber Optic	164 ft	5.01 dB (Loss Margin)	06/12/2025 05:39:31 PM
13-12	PASS	General Fiber Optic	164 ft	4.90 dB (Loss Margin)	06/12/2025 05:40:25 PM
13-14	PASS	General Fiber Optic	153 ft	5.45 dB (Loss Margin)	06/12/2025 05:42:11 PM
13-16	PASS	General Fiber Optic	153 ft	5.75 dB (Loss Margin)	06/12/2025 05:43:27 PM
13-18	FAIL	General Fiber Optic	182 ft	-9.56 dB (Loss Margin)	06/12/2025 05:46:04 PM
13-2	PASS	General Fiber Optic	211 ft	5.80 dB (Loss Margin)	06/12/2025 05:15:47 PM
13-2	PASS	General Fiber Optic	222 ft	2.68 dB (Loss Margin)	05/28/2025 03:50:13 PM
13-20	FAIL	General Fiber Optic	181 ft	-8.85 dB (Loss Margin)	06/12/2025 05:46:55 PM
13-22	PASS	General Fiber Optic	136 ft	4.86 dB (Loss Margin)	06/12/2025 05:49:25 PM
13-24	PASS	General Fiber Optic	116 ft	5.29 dB (Loss Margin)	06/12/2025 05:53:00 PM
13-26	PASS	General Fiber Optic	105 ft	5.84 dB (Loss Margin)	06/12/2025 05:54:22 PM
1-4	PASS	General Fiber Optic	344 ft	6.01 dB (Loss Margin)	06/12/2025 04:01:06 PM
1-6	PASS	General Fiber Optic	315 ft	0.45 dB (Loss Margin)	06/12/2025 04:04:05 PM
13-28	PASS	General Fiber Optic	105 ft	6.06 dB (Loss Margin)	06/12/2025 05:55:40 PM
13-3	PASS	General Fiber Optic	218 ft	2.75 dB (Loss Margin)	06/12/2025 05:16:36 PM
13-30	FAIL	General Fiber Optic	122 ft	-1.63 dB (Loss Margin)	06/12/2025 05:58:19 PM
13-31	PASS	General Fiber Optic	106 ft	5.99 dB (Loss Margin)	06/12/2025 05:59:15 PM
13-32	PASS	General Fiber Optic	106 ft	2.64 dB (Loss Margin)	06/12/2025 05:59:15 PM
13-4	PASS	General Fiber Optic	218 ft	5.77 dB (Loss Margin)	06/12/2025 05:16:36 PM
13-5	PASS	General Fiber Optic	212 ft	5.20 dB (Loss Margin)	06/12/2025 05:18:36 PM
13-6	PASS	General Fiber Optic	212 ft	5.34 dB (Loss Margin)	06/12/2025 05:18:37 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
13-8	PASS	General Fiber Optic	211 ft	5.48 dB (Loss Margin)	06/12/2025 05:19:29 PM
14-1	PASS	General Fiber Optic	222 ft	2.19 dB (Loss Margin)	05/28/2025 03:42:54 PM
14-2	PASS	General Fiber Optic	221 ft	2.90 dB (Loss Margin)	05/28/2025 03:44:46 PM
14-3	PASS	General Fiber Optic	211 ft	5.32 dB (Loss Margin)	06/12/2025 05:19:29 PM
15-1	FAIL	General Fiber Optic	191 ft	-12.30 dB (Loss Margin)	05/28/2025 03:38:16 PM
15-2	PASS	General Fiber Optic	166 ft	1.50 dB (Loss Margin)	05/28/2025 03:40:41 PM
15-2	PASS	General Fiber Optic	164 ft	5.17 dB (Loss Margin)	06/12/2025 05:39:31 PM
15-3	PASS	General Fiber Optic	164 ft	5.29 dB (Loss Margin)	06/12/2025 05:40:25 PM
16-1	PASS	General Fiber Optic	165 ft	1.87 dB (Loss Margin)	05/28/2025 03:30:34 PM
16-2	PASS	General Fiber Optic	163 ft	2.65 dB (Loss Margin)	05/28/2025 03:34:42 PM
16-2	PASS	General Fiber Optic	153 ft	5.63 dB (Loss Margin)	06/12/2025 05:42:11 PM
16-4	PASS	General Fiber Optic	153 ft	5.73 dB (Loss Margin)	06/12/2025 05:43:27 PM
17-1	PASS	General Fiber Optic	185 ft	2.56 dB (Loss Margin)	05/28/2025 03:24:34 PM
17-2	PASS	General Fiber Optic	182 ft	6.00 dB (Loss Margin)	06/12/2025 05:46:04 PM
17-4	PASS	General Fiber Optic	181 ft	6.28 dB (Loss Margin)	06/12/2025 05:46:55 PM
18-2	FAIL	General Fiber Optic	136 ft	-5.09 dB (Loss Margin)	06/12/2025 05:49:25 PM
18-2	PASS	General Fiber Optic	124 ft	2.56 dB (Loss Margin)	05/28/2025 03:05:08 PM
18_4	PASS	General Fiber Optic	116 ft	5.44 dB (Loss Margin)	06/12/2025 05:53:00 PM
19-1	PASS	General Fiber Optic	116 ft	1.70 dB (Loss Margin)	05/28/2025 02:57:14 PM
19-2	PASS	General Fiber Optic	105 ft	5.83 dB (Loss Margin)	06/12/2025 05:54:22 PM
19-2	PASS	General Fiber Optic	113 ft	3.31 dB (Loss Margin)	05/28/2025 03:01:31 PM
2-1	FAIL	General Fiber Optic	340 ft	-1.87 dB (Loss Margin)	05/28/2025 04:29:00 PM
2-2	FAIL	General Fiber Optic	338 ft	-1.48 dB (Loss Margin)	05/28/2025 04:33:18 PM
2-3	FAIL	General Fiber Optic	342 ft	-1.97 dB (Loss Margin)	06/12/2025 03:56:24 PM
2-4	FAIL	General Fiber Optic	342 ft	-6.04 dB (Loss Margin)	06/12/2025 03:56:24 PM
20-1	FAIL	General Fiber Optic	122 ft	-0.24 dB (Loss Margin)	05/28/2025 04:06:31 PM
20-2	PASS	General Fiber Optic	115 ft	2.41 dB (Loss Margin)	05/28/2025 04:08:31 PM
20-2	FAIL	General Fiber Optic	122 ft	-0.21 dB (Loss Margin)	06/12/2025 05:58:19 PM
3-1	PASS	General Fiber Optic	221 ft	2.41 dB (Loss Margin)	05/28/2025 04:19:58 PM
3-1	PASS	General Fiber Optic	211 ft	5.96 dB (Loss Margin)	06/12/2025 04:07:33 PM
3-2	PASS	General Fiber Optic	211 ft	5.63 dB (Loss Margin)	06/12/2025 04:07:33 PM
3-2	PASS	General Fiber Optic	221 ft	2.36 dB (Loss Margin)	05/28/2025 04:22:39 PM
3-3	PASS	General Fiber Optic	211 ft	5.38 dB (Loss Margin)	06/12/2025 04:09:23 PM
3-4	PASS	General Fiber Optic	211 ft	5.77 dB (Loss Margin)	06/12/2025 04:09:22 PM
4-1	PASS	General Fiber Optic	216 ft	1.06 dB (Loss Margin)	05/28/2025 04:24:17 PM

Cable ID	Summary	Test Limit	Length	Headroom	Date / Time
4-1	FAIL	General Fiber Optic	227 ft	-7.70 dB (Loss Margin)	06/12/2025 04:11:51 PM
4-2	FAIL	General Fiber Optic	219 ft	-0.09 dB (Loss Margin)	05/28/2025 04:26:52 PM
4-2	PASS	General Fiber Optic	227 ft	3.59 dB (Loss Margin)	06/12/2025 04:11:51 PM
4-3	PASS	General Fiber Optic	204 ft	4.97 dB (Loss Margin)	06/12/2025 04:13:15 PM
4-4	PASS	General Fiber Optic	204 ft	4.53 dB (Loss Margin)	06/12/2025 04:13:15 PM
4-6	PASS	General Fiber Optic	307 ft	6.41 dB (Loss Margin)	06/12/2025 04:22:53 PM
5-1	PASS	General Fiber Optic	158 ft	5.17 dB (Loss Margin)	06/12/2025 03:34:29 PM
5-2	PASS	General Fiber Optic	158 ft	0.80 dB (Loss Margin)	06/12/2025 03:34:29 PM
5-3	PASS	General Fiber Optic	157 ft	5.82 dB (Loss Margin)	06/12/2025 03:37:11 PM
5-4	PASS	General Fiber Optic	157 ft	1.00 dB (Loss Margin)	06/12/2025 03:37:11 PM
5-6	FAIL	General Fiber Optic	243 ft	-16.33 dB (Loss Margin)	06/12/2025 03:40:54 PM
5-8	PASS	General Fiber Optic	252 ft	3.29 dB (Loss Margin)	06/12/2025 03:42:56 PM
6-1	PASS	General Fiber Optic	247 ft	3.58 dB (Loss Margin)	06/12/2025 03:47:33 PM
6-2	FAIL	General Fiber Optic	247 ft	-14.63 dB (Loss Margin)	06/12/2025 03:47:33 PM
6-4	PASS	General Fiber Optic	243 ft	0.21 dB (Loss Margin)	06/12/2025 03:40:53 PM
7-1	PASS	General Fiber Optic	315 ft	5.19 dB (Loss Margin)	06/12/2025 04:04:05 PM
7-3	PASS	General Fiber Optic	309 ft	4.46 dB (Loss Margin)	06/12/2025 04:05:04 PM
7-4	PASS	General Fiber Optic	309 ft	5.79 dB (Loss Margin)	06/12/2025 04:05:04 PM
8-1	PASS	General Fiber Optic	307 ft	5.60 dB (Loss Margin)	06/12/2025 04:22:52 PM
8-3	FAIL	General Fiber Optic	333 ft	-8.94 dB (Loss Margin)	06/12/2025 04:26:37 PM
8-4	PASS	General Fiber Optic	333 ft	6.42 dB (Loss Margin)	06/12/2025 04:26:38 PM
9-1	PASS	General Fiber Optic	308 ft	5.79 dB (Loss Margin)	06/12/2025 04:29:42 PM
9-10	FAIL	General Fiber Optic	238 ft	-5.61 dB (Loss Margin)	06/12/2025 05:01:53 PM
9-12	PASS	General Fiber Optic	224 ft	2.11 dB (Loss Margin)	06/12/2025 05:03:37 PM
9-14	PASS	General Fiber Optic	219 ft	2.02 dB (Loss Margin)	06/12/2025 05:05:07 PM
9-16	PASS	General Fiber Optic	212 ft	5.60 dB (Loss Margin)	06/12/2025 05:06:27 PM
9-3	PASS	General Fiber Optic	308 ft	5.57 dB (Loss Margin)	06/12/2025 04:29:42 PM
9-4	PASS	General Fiber Optic	307 ft	5.97 dB (Loss Margin)	06/12/2025 04:34:06 PM
9-5	PASS	General Fiber Optic	307 ft	6.32 dB (Loss Margin)	06/12/2025 04:34:06 PM
9-7	PASS	General Fiber Optic	318 ft	2.61 dB (Loss Margin)	06/12/2025 04:36:53 PM
9-8	PASS	General Fiber Optic	324 ft	3.78 dB (Loss Margin)	06/12/2025 04:39:32 PM
@9-	PASS	General Fiber Optic	105 ft	5.79 dB (Loss Margin)	06/12/2025 05:55:40 PM
UPLINK	FAIL	General Fiber Optic	322 ft	-3.49 dB (Loss Margin)	05/28/2025 04:48:27 PM

Total Length:	29475 ft
No of Reports:	138
No of Passing Reports:	103
No of Failing Reports:	35
No of Warning Reports:	0
Documentation only:	0



Cable ID: 001

Test Summary: FAIL

Date / Time: 05/28/2025 02:51:06 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: 131 8 TH

Loss (R->M)

FAIL

Date / Time: 05/28/2025 02:51:06 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	219	
Length (ft)	146	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	18.91	17.56
Limit (dB)	6.50	6.50
Margin (dB)	-12.41	-11.06
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 002

Test Summary: PASS

Date / Time: 05/28/2025 02:51:06 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 02:51:06 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	219	
Length (ft)	146	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	5.61	4.82
Limit (dB)	6.50	6.50
Margin (dB)	0.89	1.68
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	40GBASE-LR4	100GBASE-ER4
100GBASE-LR4	Fibre Channel 100-SM-LC-L	Fibre Channel 200-SM-LC-L
Fibre Channel 400-SM-LC-L	Fibre Channel 800-SM-LC-L	Fibre Channel 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 004

Test Summary: PASS

Date / Time: 05/28/2025 02:57:14 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 02:57:14 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	173	
Length (ft)	116	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.68	3.53
Limit (dB)	6.50	6.50
Margin (dB)	2.82	2.97
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|---------------------------|----------------------------|
| 1000BASE-LX | 10GBASE-E | 10GBASE-L |
| 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 1200-SM-LC-L |
| Fibre Channel 1600-SM-LC-L | | |



Cable ID: 006

Test Summary: PASS

Date / Time: 05/28/2025 03:01:31 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:01:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	168	
Length (ft)	113	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.35	4.26
Limit (dB)	6.50	6.50
Margin (dB)	2.15	2.24
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|---------------------------|----------------------------|----------------------------|
| 1000BASE-LX | 10GBASE-E | 10GBASE-L |
| 10GBASE-LX4 | 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L |



Cable ID: 007

Test Summary: PASS

Date / Time: 05/28/2025 03:04:49 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:04:49 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.94	3.76
Limit (dB)	6.50	6.50
Margin (dB)	2.56	2.74
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 008

Test Summary: PASS

Date / Time: 05/28/2025 03:04:49 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:04:49 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.80	4.71
Limit (dB)	6.50	6.50
Margin (dB)	1.70	1.79
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|----------------------------|---------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L | |



Cable ID: 009

Test Summary: PASS

Date / Time: 05/28/2025 03:05:01 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:05:01 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.93	3.75
Limit (dB)	6.50	6.50
Margin (dB)	2.57	2.75
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 010

Test Summary: PASS

Date / Time: 05/28/2025 03:05:01 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:05:01 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.78	4.66
Limit (dB)	6.50	6.50
Margin (dB)	1.72	1.84
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L	



Cable ID: 012

Test Summary: PASS

Date / Time: 05/28/2025 03:05:08 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:05:08 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.78	4.65
Limit (dB)	6.50	6.50
Margin (dB)	1.72	1.85
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L	



Cable ID: 014

Test Summary: FAIL

Date / Time: 05/28/2025 03:07:31 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: 131 8 TH

Loss (M->R)

FAIL

Date / Time: 05/28/2025 03:07:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	270	
Length (ft)	181	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	17.47	16.91
Limit (dB)	6.50	6.50
Margin (dB)	-10.97	-10.41
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 016

Test Summary: FAIL

Date / Time: 05/28/2025 03:24:34 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 03:24:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	277	
Length (ft)	185	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	18.92	17.80
Limit (dB)	6.50	6.50
Margin (dB)	-12.42	-11.30
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 018

Test Summary: PASS

Date / Time: 05/28/2025 03:30:34 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:30:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	246	
Length (ft)	165	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.73	4.45
Limit (dB)	6.50	6.50
Margin (dB)	1.77	2.05
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|----------------------------|---------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L | |



Cable ID: 020

Test Summary: PASS

Date / Time: 05/28/2025 03:34:42 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:34:42 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	244	
Length (ft)	163	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	5.02	5.11
Limit (dB)	6.50	6.50
Margin (dB)	1.48	1.39
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

- 10GBASE-E
- 40GBASE-ER4
- 100GBASE-LR4
- Fibre Channel 400-SM-LC-L
- Fibre Channel 1600-SM-LC-L
- 10GBASE-L
- 40GBASE-LR4
- Fibre Channel 100-SM-LC-L
- Fibre Channel 800-SM-LC-L
- 10GBASE-LX4
- 100GBASE-ER4
- Fibre Channel 200-SM-LC-L
- Fibre Channel 1200-SM-LC-L



Cable ID: 022

Test Summary: FAIL

Date / Time: 05/28/2025 03:38:16 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 03:38:16 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	286	
Length (ft)	191	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	5.24	8.29
Limit (dB)	6.50	6.50
Margin (dB)	1.26	-1.79
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 024

Test Summary: PASS

Date / Time: 05/28/2025 03:40:41 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:40:41 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	248	
Length (ft)	166	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.76	4.61
Limit (dB)	6.50	6.50
Margin (dB)	1.74	1.89
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|----------------------------|---------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L | |



Cable ID: 026

Test Summary: PASS

Date / Time: 05/28/2025 03:42:55 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:42:55 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	332	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.15	3.95
Limit (dB)	6.50	6.50
Margin (dB)	2.35	2.55
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 028

Test Summary: PASS

Date / Time: 05/28/2025 03:44:47 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:44:47 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	329	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.60	4.56
Limit (dB)	6.50	6.50
Margin (dB)	1.90	1.94
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 030

Test Summary: PASS

Date / Time: 05/28/2025 03:47:13 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:47:13 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	349	
Length (ft)	234	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.29	4.05
Limit (dB)	6.50	6.50
Margin (dB)	2.21	2.45
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 032

Test Summary: PASS

Date / Time: 05/28/2025 03:50:13 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:50:13 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	331	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.98	5.89
Limit (dB)	6.50	6.50
Margin (dB)	1.52	0.61
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

- 10GBASE-E
- 40GBASE-ER4
- 100GBASE-LR4
- Fibre Channel 400-SM-LC-L
- Fibre Channel 1600-SM-LC-L
- 10GBASE-L
- 40GBASE-LR4
- Fibre Channel 100-SM-LC-L
- Fibre Channel 800-SM-LC-L
- 10GBASE-LX4
- 100GBASE-ER4
- Fibre Channel 200-SM-LC-L
- Fibre Channel 1200-SM-LC-L



Cable ID: 034

Test Summary: PASS

Date / Time: 05/28/2025 03:52:47 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 03:52:47 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	332	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.71	4.49
Limit (dB)	6.50	6.50
Margin (dB)	1.79	2.01
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|----------------------------|---------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L | |



Cable ID: 036

Test Summary: PASS

Date / Time: 05/28/2025 03:54:36 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 03:54:36 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	347	
Length (ft)	232	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.52	5.08
Limit (dB)	6.50	6.50
Margin (dB)	1.98	1.42
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 038

Test Summary: FAIL

Date / Time: 05/28/2025 03:57:44 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 03:57:44 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	368	
Length (ft)	246	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	6.29	9.09
Limit (dB)	6.50	6.50
Margin (dB)	0.21	-2.59
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 040

Test Summary: PASS

Date / Time: 05/28/2025 04:04:34 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 04:04:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	337	
Length (ft)	226	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.80	6.23
Limit (dB)	6.50	6.50
Margin (dB)	1.70	0.27
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|----------------------------|---------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L | |



Cable ID: 042

Test Summary: PASS

Date / Time: 05/28/2025 04:06:31 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 04:06:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	181	
Length (ft)	122	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.76	4.61
Limit (dB)	6.50	6.50
Margin (dB)	1.74	1.89
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L	



Cable ID: 044

Test Summary: PASS

Date / Time: 05/28/2025 04:08:31 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 04:08:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	171	
Length (ft)	115	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	5.08	4.77
Limit (dB)	6.50	6.50
Margin (dB)	1.42	1.73
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|---------------------------|----------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 40GBASE-LR4 | 100GBASE-ER4 |
| 100GBASE-LR4 | Fibre Channel 100-SM-LC-L | Fibre Channel 200-SM-LC-L |
| Fibre Channel 400-SM-LC-L | Fibre Channel 800-SM-LC-L | Fibre Channel 1200-SM-LC-L |
| Fibre Channel 1600-SM-LC-L | | |



Cable ID: 046

Test Summary: PASS

Date / Time: 05/28/2025 04:19:59 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 05/28/2025 04:19:59 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	329	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.59	3.37
Limit (dB)	6.50	6.50
Margin (dB)	2.91	3.13
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 048

Test Summary: PASS

Date / Time: 05/28/2025 04:22:39 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 04:22:39 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	330	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.18	3.19
Limit (dB)	6.50	6.50
Margin (dB)	3.32	3.31
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|---------------------------|----------------------------|
| 1000BASE-LX | 10GBASE-E | 10GBASE-L |
| 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 1200-SM-LC-L |
| Fibre Channel 1600-SM-LC-L | | |



Cable ID: 050

Test Summary: PASS

Date / Time: 05/28/2025 04:24:17 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 04:24:17 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	322	
Length (ft)	216	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.58	4.53
Limit (dB)	6.50	6.50
Margin (dB)	1.92	1.97
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:		
1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 052

Test Summary: PASS

Date / Time: 05/28/2025 04:26:52 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 05/28/2025 04:26:52 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	327	
Length (ft)	219	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.29	4.56
Limit (dB)	6.50	6.50
Margin (dB)	2.21	1.94
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|---------------------------|----------------------------|----------------------------|
| 1000BASE-LX | 10GBASE-E | 10GBASE-L |
| 10GBASE-LX4 | 40GBASE-ER4 | 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 1200-SM-LC-L | Fibre Channel 1600-SM-LC-L |



Cable ID: 054

Test Summary: FAIL

Date / Time: 05/28/2025 04:29:00 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 04:29:00 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	507	
Length (ft)	340	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	15.21	15.02
Limit (dB)	6.50	6.50
Margin (dB)	-8.71	-8.52
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 055

Test Summary: FAIL

Date / Time: 05/28/2025 04:32:59 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 04:32:59 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	505	
Length (ft)	338	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	8.00	7.10
Limit (dB)	6.50	6.50
Margin (dB)	-1.50	-0.60
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 056

Test Summary: FAIL

Date / Time: 05/28/2025 04:32:59 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: 131 8 TH

Loss (M->R)

FAIL

Date / Time: 05/28/2025 04:32:59 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	505	
Length (ft)	338	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	13.30	12.41
Limit (dB)	6.50	6.50
Margin (dB)	-6.80	-5.91
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 058

Test Summary: FAIL

Date / Time: 05/28/2025 04:33:18 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 04:33:18 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	505	
Length (ft)	338	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	13.30	12.41
Limit (dB)	6.50	6.50
Margin (dB)	-6.80	-5.91
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 060

Test Summary: FAIL

Date / Time: 05/28/2025 04:48:27 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 05/28/2025 04:48:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	480	
Length (ft)	322	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	7.00	6.76
Limit (dB)	6.50	6.50
Margin (dB)	-0.50	-0.26
Reference (dBm)	-3.23	-3.12

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 1-1

Test Summary: PASS

Date / Time: 06/12/2025 03:58:45 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 03:58:45 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	493	
Length (ft)	330	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.51	0.68
Limit (dB)	6.50	6.50
Margin (dB)	5.99	5.82
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 10-2

Test Summary: PASS

Date / Time: 06/12/2025 04:36:53 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:36:53 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	474	
Length (ft)	318	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.27	4.42
Limit (dB)	6.50	6.50
Margin (dB)	5.23	2.08
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
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: 10-4

Test Summary: FAIL

Date / Time: 06/12/2025 04:39:32 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 04:39:32 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	483	
Length (ft)	324	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	4.84	6.69
Limit (dB)	6.50	6.50
Margin (dB)	1.66	-0.19
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 11-1

Test Summary: FAIL

Date / Time: 05/28/2025 03:57:44 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 03:57:44 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	368	
Length (ft)	246	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	7.17	11.30
Limit (dB)	6.50	6.50
Margin (dB)	-0.67	-4.80
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 11-2

Test Summary: PASS

Date / Time: 05/28/2025 04:04:34 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 04:04:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	337	
Length (ft)	226	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.85	5.23
Limit (dB)	6.50	6.50
Margin (dB)	2.65	1.27
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 11-2

Test Summary: FAIL

Date / Time: 06/12/2025 05:01:52 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 05:01:52 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	356	
Length (ft)	238	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	2.11	6.74
Limit (dB)	6.50	6.50
Margin (dB)	4.39	-0.24
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 1-2

Test Summary: FAIL

Date / Time: 06/12/2025 03:58:46 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: 131 8 TH

Loss (M->R)

FAIL

Date / Time: 06/12/2025 03:58:46 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	493	
Length (ft)	330	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	6.11	16.81
Limit (dB)	6.50	6.50
Margin (dB)	0.39	-10.31
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 1-3

Test Summary: FAIL

Date / Time: 06/12/2025 04:01:05 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 04:01:05 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	514	
Length (ft)	344	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	9.11	19.75
Limit (dB)	6.50	6.50
Margin (dB)	-2.61	-13.25
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 11-4

Test Summary: PASS

Date / Time: 06/12/2025 05:03:37 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:03:37 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	335	
Length (ft)	224	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.80	5.82
Limit (dB)	6.50	6.50
Margin (dB)	4.70	0.68
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
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: 12-1

Test Summary: PASS

Date / Time: 05/28/2025 03:52:47 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:52:47 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	332	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.33	4.31
Limit (dB)	6.50	6.50
Margin (dB)	2.17	2.19
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 12-2

Test Summary: FAIL

Date / Time: 05/28/2025 03:54:36 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 03:54:36 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	347	
Length (ft)	232	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	7.72	7.49
Limit (dB)	6.50	6.50
Margin (dB)	-1.22	-0.99
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 12-2

Test Summary: PASS

Date / Time: 06/12/2025 05:05:07 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:05:07 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	327	
Length (ft)	219	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.57	3.72
Limit (dB)	6.50	6.50
Margin (dB)	4.93	2.78
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 12-4

Test Summary: PASS

Date / Time: 06/12/2025 05:06:27 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:06:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	316	
Length (ft)	212	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.44	1.12
Limit (dB)	6.50	6.50
Margin (dB)	6.06	5.38
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-1

Test Summary: PASS

Date / Time: 06/12/2025 05:15:47 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:15:47 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	314	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.28	0.79
Limit (dB)	6.50	6.50
Margin (dB)	6.22	5.71
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-1

Test Summary: FAIL

Date / Time: 05/28/2025 03:47:13 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 03:47:13 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	349	
Length (ft)	234	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	8.50	7.95
Limit (dB)	6.50	6.50
Margin (dB)	-2.00	-1.45
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 13-10

Test Summary: PASS

Date / Time: 06/12/2025 05:39:31 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:39:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	245	
Length (ft)	164	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.97	1.49
Limit (dB)	6.50	6.50
Margin (dB)	5.53	5.01
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-12

Test Summary: PASS

Date / Time: 06/12/2025 05:40:25 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:40:25 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	245	
Length (ft)	164	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.72	1.60
Limit (dB)	6.50	6.50
Margin (dB)	5.78	4.90
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-14

Test Summary: PASS

Date / Time: 06/12/2025 05:42:11 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:42:11 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	229	
Length (ft)	153	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.00	1.05
Limit (dB)	6.50	6.50
Margin (dB)	5.50	5.45
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-16

Test Summary: PASS

Date / Time: 06/12/2025 05:43:27 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:43:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	228	
Length (ft)	153	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.75	0.72
Limit (dB)	6.50	6.50
Margin (dB)	5.75	5.78
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-18

Test Summary: FAIL

Date / Time: 06/12/2025 05:46:04 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 06/12/2025 05:46:04 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	271	
Length (ft)	182	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	16.06	14.87
Limit (dB)	6.50	6.50
Margin (dB)	-9.56	-8.37
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 13-2

Test Summary: PASS

Date / Time: 06/12/2025 05:15:47 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:15:47 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	314	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.39	0.70
Limit (dB)	6.50	6.50
Margin (dB)	6.11	5.80
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-2

Test Summary: PASS

Date / Time: 05/28/2025 03:50:13 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:50:13 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	331	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.82	3.68
Limit (dB)	6.50	6.50
Margin (dB)	2.68	2.82
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

- | | | |
|----------------------------|---------------------------|----------------------------|
| 1000BASE-LX | 10GBASE-E | 10GBASE-L |
| 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 1200-SM-LC-L |
| Fibre Channel 1600-SM-LC-L | | |



Cable ID: 13-20

Test Summary: FAIL

Date / Time: 06/12/2025 05:46:55 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: 131 8 TH

Loss (M->R)

FAIL

Date / Time: 06/12/2025 05:46:55 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	270	
Length (ft)	181	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	15.35	14.31
Limit (dB)	6.50	6.50
Margin (dB)	-8.85	-7.81
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 13-22

Test Summary: PASS

Date / Time: 06/12/2025 05:49:25 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:49:25 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	203	
Length (ft)	136	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.64	1.62
Limit (dB)	6.50	6.50
Margin (dB)	4.86	4.88
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-24

Test Summary: PASS

Date / Time: 06/12/2025 05:53:00 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:53:00 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	172	
Length (ft)	116	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.80	1.21
Limit (dB)	6.50	6.50
Margin (dB)	5.70	5.29
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-26

Test Summary: PASS

Date / Time: 06/12/2025 05:54:22 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:54:22 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	157	
Length (ft)	105	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.61	0.66
Limit (dB)	6.50	6.50
Margin (dB)	5.89	5.84
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 1-4

Test Summary: PASS

Date / Time: 06/12/2025 04:01:06 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:01:06 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	514	
Length (ft)	344	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.14	0.49
Limit (dB)	6.50	6.50
Margin (dB)	6.36	6.01
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 1-6

Test Summary: PASS

Date / Time: 06/12/2025 04:04:05 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:04:05 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	469	
Length (ft)	315	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.86	6.05
Limit (dB)	6.50	6.50
Margin (dB)	4.64	0.45
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
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: 13-28

Test Summary: PASS

Date / Time: 06/12/2025 05:55:40 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:55:40 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	157	
Length (ft)	105	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.44	0.40
Limit (dB)	6.50	6.50
Margin (dB)	6.06	6.10
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-3

Test Summary: PASS

Date / Time: 06/12/2025 05:16:36 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:16:36 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	325	
Length (ft)	218	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.62	3.75
Limit (dB)	6.50	6.50
Margin (dB)	5.88	2.75
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-30

Test Summary: **FAIL**

Date / Time: 06/12/2025 05:58:19 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 06/12/2025 05:58:19 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	183	
Length (ft)	122	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	5.34	8.13
Limit (dB)	6.50	6.50
Margin (dB)	1.16	-1.63
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 13-31

Test Summary: PASS

Date / Time: 06/12/2025 05:59:15 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:59:15 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	159	
Length (ft)	106	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.50	0.51
Limit (dB)	6.50	6.50
Margin (dB)	6.00	5.99
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-32

Test Summary: PASS

Date / Time: 06/12/2025 05:59:15 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:59:15 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	159	
Length (ft)	106	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.86	3.18
Limit (dB)	6.50	6.50
Margin (dB)	2.64	3.32
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 13-4

Test Summary: PASS

Date / Time: 06/12/2025 05:16:36 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:16:36 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	325	
Length (ft)	218	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.33	0.73
Limit (dB)	6.50	6.50
Margin (dB)	6.17	5.77
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-5

Test Summary: PASS

Date / Time: 06/12/2025 05:18:36 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:18:36 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	317	
Length (ft)	212	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.26	1.30
Limit (dB)	6.50	6.50
Margin (dB)	6.24	5.20
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-6

Test Summary: PASS

Date / Time: 06/12/2025 05:18:37 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:18:37 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	317	
Length (ft)	212	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.16	1.07
Limit (dB)	6.50	6.50
Margin (dB)	5.34	5.43
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 13-8

Test Summary: PASS

Date / Time: 06/12/2025 05:19:29 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:19:29 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	316	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.62	1.02
Limit (dB)	6.50	6.50
Margin (dB)	5.88	5.48
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 14-1

Test Summary: PASS

Date / Time: 05/28/2025 03:42:54 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:42:54 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	332	
Length (ft)	222	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.74	4.31
Limit (dB)	6.50	6.50
Margin (dB)	2.76	2.19
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 14-2

Test Summary: PASS

Date / Time: 05/28/2025 03:44:46 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:44:46 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	329	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.51	3.60
Limit (dB)	6.50	6.50
Margin (dB)	2.99	2.90
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 14-3

Test Summary: PASS

Date / Time: 06/12/2025 05:19:29 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:19:29 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	316	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.87	1.18
Limit (dB)	6.50	6.50
Margin (dB)	5.63	5.32
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 15-1

Test Summary: FAIL

Date / Time: 05/28/2025 03:38:16 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 03:38:16 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	286	
Length (ft)	191	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	18.23	18.80
Limit (dB)	6.50	6.50
Margin (dB)	-11.73	-12.30
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 15-2

Test Summary: PASS

Date / Time: 05/28/2025 03:40:41 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:40:41 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	248	
Length (ft)	166	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.41	5.00
Limit (dB)	6.50	6.50
Margin (dB)	2.09	1.50
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 15-2

Test Summary: PASS

Date / Time: 06/12/2025 05:39:31 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:39:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	245	
Length (ft)	164	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.99	1.33
Limit (dB)	6.50	6.50
Margin (dB)	5.51	5.17
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 15-3

Test Summary: PASS

Date / Time: 06/12/2025 05:40:25 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:40:25 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	245	
Length (ft)	164	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.54	1.21
Limit (dB)	6.50	6.50
Margin (dB)	5.96	5.29
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 16-1

Test Summary: PASS

Date / Time: 05/28/2025 03:30:34 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:30:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	246	
Length (ft)	165	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.63	4.52
Limit (dB)	6.50	6.50
Margin (dB)	1.87	1.98
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 16-2

Test Summary: PASS

Date / Time: 05/28/2025 03:34:42 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:34:42 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	244	
Length (ft)	163	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.85	3.60
Limit (dB)	6.50	6.50
Margin (dB)	2.65	2.90
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 16-2

Test Summary: PASS

Date / Time: 06/12/2025 05:42:11 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:42:11 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	229	
Length (ft)	153	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.47	0.87
Limit (dB)	6.50	6.50
Margin (dB)	6.03	5.63
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 16-4

Test Summary: PASS

Date / Time: 06/12/2025 05:43:27 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:43:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	228	
Length (ft)	153	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.77	0.70
Limit (dB)	6.50	6.50
Margin (dB)	5.73	5.80
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 17-1

Test Summary: PASS

Date / Time: 05/28/2025 03:24:34 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:24:34 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	277	
Length (ft)	185	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.94	3.54
Limit (dB)	6.50	6.50
Margin (dB)	2.56	2.96
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 17-2

Test Summary: PASS

Date / Time: 06/12/2025 05:46:04 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:46:04 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	271	
Length (ft)	182	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.37	0.50
Limit (dB)	6.50	6.50
Margin (dB)	6.13	6.00
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 17-4

Test Summary: PASS

Date / Time: 06/12/2025 05:46:55 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:46:55 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	270	
Length (ft)	181	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.09	0.22
Limit (dB)	6.50	6.50
Margin (dB)	6.41	6.28
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 18-2

Test Summary: FAIL

Date / Time: 06/12/2025 05:49:25 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 05:49:25 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	203	
Length (ft)	136	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	11.59	10.95
Limit (dB)	6.50	6.50
Margin (dB)	-5.09	-4.45
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 18-2

Test Summary: PASS

Date / Time: 05/28/2025 03:05:08 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:05:08 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	185	
Length (ft)	124	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.94	3.75
Limit (dB)	6.50	6.50
Margin (dB)	2.56	2.75
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 18_4

Test Summary: PASS

Date / Time: 06/12/2025 05:53:00 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:53:00 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	172	
Length (ft)	116	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.33	1.06
Limit (dB)	6.50	6.50
Margin (dB)	6.17	5.44
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 19-1

Test Summary: PASS

Date / Time: 05/28/2025 02:57:14 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 02:57:14 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	173	
Length (ft)	116	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.80	4.56
Limit (dB)	6.50	6.50
Margin (dB)	1.70	1.94
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L	



Cable ID: 19-2

Test Summary: PASS

Date / Time: 06/12/2025 05:54:22 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:54:22 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	157	
Length (ft)	105	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.47	0.67
Limit (dB)	6.50	6.50
Margin (dB)	6.03	5.83
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 19-2

Test Summary: PASS

Date / Time: 05/28/2025 03:01:31 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 03:01:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	168	
Length (ft)	113	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	3.19	2.88
Limit (dB)	6.50	6.50
Margin (dB)	3.31	3.62
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 2-1

Test Summary: FAIL

Date / Time: 05/28/2025 04:29:00 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 04:29:00 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	507	
Length (ft)	340	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	8.37	7.57
Limit (dB)	6.50	6.50
Margin (dB)	-1.87	-1.07
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 2-2

Test Summary: FAIL

Date / Time: 05/28/2025 04:33:18 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 04:33:18 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	505	
Length (ft)	338	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	7.98	7.11
Limit (dB)	6.50	6.50
Margin (dB)	-1.48	-0.61
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 2-3

Test Summary: FAIL

Date / Time: 06/12/2025 03:56:24 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 06/12/2025 03:56:24 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	510	
Length (ft)	342	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	8.32	8.47
Limit (dB)	6.50	6.50
Margin (dB)	-1.82	-1.97
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 2-4

Test Summary: FAIL

Date / Time: 06/12/2025 03:56:24 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 03:56:24 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	510	
Length (ft)	342	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	12.54	11.64
Limit (dB)	6.50	6.50
Margin (dB)	-6.04	-5.14
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 20-1

Test Summary: FAIL

Date / Time: 05/28/2025 04:06:31 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 04:06:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	181	
Length (ft)	122	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	PASS
Loss (dB)	6.74	6.41
Limit (dB)	6.50	6.50
Margin (dB)	-0.24	0.09
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 20-2

Test Summary: PASS

Date / Time: 05/28/2025 04:08:31 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 04:08:31 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	171	
Length (ft)	115	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.09	3.54
Limit (dB)	6.50	6.50
Margin (dB)	2.41	2.96
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 20-2
Date / Time: 06/12/2025 05:58:19 PM
Cable Type : OS2 Singlemode

Project: 131 8 TH

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

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

Loss (R->M)
FAIL
Date / Time: 06/12/2025 05:58:19 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	183	
Length (ft)	122	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	3.03	6.71
Limit (dB)	6.50	6.50
Margin (dB)	3.47	-0.21
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 3-1

Test Summary: PASS

Date / Time: 05/28/2025 04:19:58 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 04:19:58 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	329	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.09	3.75
Limit (dB)	6.50	6.50
Margin (dB)	2.41	2.75
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 3-1

Test Summary: PASS

Date / Time: 06/12/2025 04:07:33 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 06/12/2025 04:07:33 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	315	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.51	0.54
Limit (dB)	6.50	6.50
Margin (dB)	5.99	5.96
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 3-2

Test Summary: PASS

Date / Time: 06/12/2025 04:07:33 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:07:33 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	315	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.87	0.85
Limit (dB)	6.50	6.50
Margin (dB)	5.63	5.65
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 3-2

Test Summary: PASS

Date / Time: 05/28/2025 04:22:39 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 04:22:39 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	330	
Length (ft)	221	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.14	3.95
Limit (dB)	6.50	6.50
Margin (dB)	2.36	2.55
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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 1200-SM-LC-L
Fibre Channel 1600-SM-LC-L		



Cable ID: 3-3

Test Summary: PASS

Date / Time: 06/12/2025 04:09:23 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:09:23 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	315	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.75	1.12
Limit (dB)	6.50	6.50
Margin (dB)	5.75	5.38
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 3-4

Test Summary: PASS

Date / Time: 06/12/2025 04:09:22 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:09:22 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	315	
Length (ft)	211	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.62	0.73
Limit (dB)	6.50	6.50
Margin (dB)	5.88	5.77
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 4-1

Test Summary: PASS

Date / Time: 05/28/2025 04:24:17 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 05/28/2025 04:24:17 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	322	
Length (ft)	216	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.76	5.44
Limit (dB)	6.50	6.50
Margin (dB)	1.74	1.06
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper

Compliant Network Standards:

10GBASE-E	10GBASE-L	10GBASE-LX4
40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L	



Cable ID: 4-1

Test Summary: FAIL

Date / Time: 06/12/2025 04:11:51 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 04:11:51 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	339	
Length (ft)	227	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	10.98	14.20
Limit (dB)	6.50	6.50
Margin (dB)	-4.48	-7.70
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 4-2

Test Summary: FAIL

Date / Time: 05/28/2025 04:26:52 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 05/28/2025 04:26:52 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	327	
Length (ft)	219	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	5.41	6.59
Limit (dB)	6.50	6.50
Margin (dB)	1.09	-0.09
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper



Cable ID: 4-2

Test Summary: PASS

Date / Time: 06/12/2025 04:11:51 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:11:51 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	339	
Length (ft)	227	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.91	2.91
Limit (dB)	6.50	6.50
Margin (dB)	5.59	3.59
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 4-3

Test Summary: PASS

Date / Time: 06/12/2025 04:13:15 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:13:15 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	304	
Length (ft)	204	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.73	1.53
Limit (dB)	6.50	6.50
Margin (dB)	5.77	4.97
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 4-4

Test Summary: PASS

Date / Time: 06/12/2025 04:13:15 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 06/12/2025 04:13:15 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	304	
Length (ft)	204	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.94	1.97
Limit (dB)	6.50	6.50
Margin (dB)	5.56	4.53
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 4-6

Test Summary: PASS

Date / Time: 06/12/2025 04:22:53 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:22:53 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	458	
Length (ft)	307	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.09	0.08
Limit (dB)	6.50	6.50
Margin (dB)	6.41	6.42
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 5-1

Test Summary: PASS

Date / Time: 06/12/2025 03:34:29 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 03:34:29 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	236	
Length (ft)	158	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.35	1.33
Limit (dB)	6.50	6.50
Margin (dB)	6.15	5.17
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 5-2

Test Summary: PASS

Date / Time: 06/12/2025 03:34:29 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: 131 8 TH

Loss (M->R)
PASS
Date / Time: 06/12/2025 03:34:29 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	236	
Length (ft)	158	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	5.70	5.46
Limit (dB)	6.50	6.50
Margin (dB)	0.80	1.04
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

- Compliant Network Standards:
- | | | |
|----------------------------|---------------------------|----------------------------|
| 10GBASE-E | 10GBASE-L | 10GBASE-LX4 |
| 40GBASE-ER4 | 40GBASE-LR4 | 100GBASE-ER4 |
| 100GBASE-LR4 | Fibre Channel 100-SM-LC-L | Fibre Channel 200-SM-LC-L |
| Fibre Channel 400-SM-LC-L | Fibre Channel 800-SM-LC-L | Fibre Channel 1200-SM-LC-L |
| Fibre Channel 1600-SM-LC-L | | |



Cable ID: 5-3

Test Summary: PASS

Date / Time: 06/12/2025 03:37:11 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 03:37:11 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	235	
Length (ft)	157	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.27	0.68
Limit (dB)	6.50	6.50
Margin (dB)	6.23	5.82
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 5-4

Test Summary: PASS

Date / Time: 06/12/2025 03:37:11 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 03:37:11 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	235	
Length (ft)	157	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	5.50	5.41
Limit (dB)	6.50	6.50
Margin (dB)	1.00	1.09
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

- 10GBASE-E
- 40GBASE-ER4
- 100GBASE-LR4
- Fibre Channel 400-SM-LC-L
- Fibre Channel 1600-SM-LC-L
- 10GBASE-L
- 40GBASE-LR4
- Fibre Channel 100-SM-LC-L
- Fibre Channel 800-SM-LC-L
- 10GBASE-LX4
- 100GBASE-ER4
- Fibre Channel 200-SM-LC-L
- Fibre Channel 1200-SM-LC-L



Cable ID: 5-6

Test Summary: FAIL

Date / Time: 06/12/2025 03:40:54 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 06/12/2025 03:40:54 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	362	
Length (ft)	243	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	10.78	22.83
Limit (dB)	6.50	6.50
Margin (dB)	-4.28	-16.33
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 5-8

Test Summary: PASS

Date / Time: 06/12/2025 03:42:56 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 03:42:56 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	376	
Length (ft)	252	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	2.55	3.21
Limit (dB)	6.50	6.50
Margin (dB)	3.95	3.29
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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: 6-1

Test Summary: PASS

Date / Time: 06/12/2025 03:47:33 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 03:47:33 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	369	
Length (ft)	247	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	2.27	2.92
Limit (dB)	6.50	6.50
Margin (dB)	4.23	3.58
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
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: 6-2

Test Summary: FAIL

Date / Time: 06/12/2025 03:47:33 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 03:47:33 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	369	
Length (ft)	247	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	10.23	21.13
Limit (dB)	6.50	6.50
Margin (dB)	-3.73	-14.63
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 6-4

Test Summary: PASS

Date / Time: 06/12/2025 03:40:53 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 03:40:53 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	362	
Length (ft)	243	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	2.06	6.29
Limit (dB)	6.50	6.50
Margin (dB)	4.44	0.21
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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: 7-1

Test Summary: PASS

Date / Time: 06/12/2025 04:04:05 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:04:05 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	469	
Length (ft)	315	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.07	1.31
Limit (dB)	6.50	6.50
Margin (dB)	5.43	5.19
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 7-3

Test Summary: PASS

Date / Time: 06/12/2025 04:05:04 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:05:04 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	461	
Length (ft)	309	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.73	2.04
Limit (dB)	6.50	6.50
Margin (dB)	5.77	4.46
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 7-4

Test Summary: PASS

Date / Time: 06/12/2025 04:05:04 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:05:04 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	461	
Length (ft)	309	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.43	0.71
Limit (dB)	6.50	6.50
Margin (dB)	6.07	5.79
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 8-1

Test Summary: PASS

Date / Time: 06/12/2025 04:22:52 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:22:52 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	458	
Length (ft)	307	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.74	0.90
Limit (dB)	6.50	6.50
Margin (dB)	5.76	5.60
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 8-3

Test Summary: FAIL

Date / Time: 06/12/2025 04:26:37 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: 131 8 TH

Loss (R->M)

FAIL
Date / Time: 06/12/2025 04:26:37 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	498	
Length (ft)	333	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	15.44	14.71
Limit (dB)	6.50	6.50
Margin (dB)	-8.94	-8.21
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 8-4

Test Summary: PASS

Date / Time: 06/12/2025 04:26:38 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:26:38 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	498	
Length (ft)	333	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	-0.01	0.08
Limit (dB)	6.50	6.50
Margin (dB)	6.51	6.42
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-1

Test Summary: PASS

Date / Time: 06/12/2025 04:29:42 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:29:42 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	459	
Length (ft)	308	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.62	0.71
Limit (dB)	6.50	6.50
Margin (dB)	5.88	5.79
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-10

Test Summary: **FAIL**

Date / Time: 06/12/2025 05:01:53 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: 131 8 TH

Loss (M->R)

FAIL
Date / Time: 06/12/2025 05:01:53 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	356	
Length (ft)	238	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	FAIL
Loss (dB)	4.91	12.11
Limit (dB)	6.50	6.50
Margin (dB)	1.59	-5.61
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper



Cable ID: 9-12

Test Summary: PASS

Date / Time: 06/12/2025 05:03:37 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:03:37 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	335	
Length (ft)	224	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.07	4.39
Limit (dB)	6.50	6.50
Margin (dB)	5.43	2.11
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LRM	10GBASE-LX4	40GBASE-ER4
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: 9-14

Test Summary: PASS

Date / Time: 06/12/2025 05:05:07 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:05:07 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	327	
Length (ft)	219	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	4.48	4.20
Limit (dB)	6.50	6.50
Margin (dB)	2.02	2.30
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
1 Jumper

Compliant Network Standards:

1000BASE-LX	10GBASE-E	10GBASE-L
10GBASE-LX4	40GBASE-ER4	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 1200-SM-LC-L	Fibre Channel 1600-SM-LC-L



Cable ID: 9-16

Test Summary: PASS

Date / Time: 06/12/2025 05:06:27 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 05:06:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	316	
Length (ft)	212	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.78	0.90
Limit (dB)	6.50	6.50
Margin (dB)	5.72	5.60
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-3

Test Summary: PASS

Date / Time: 06/12/2025 04:29:42 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:29:42 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	459	
Length (ft)	308	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.44	0.93
Limit (dB)	6.50	6.50
Margin (dB)	6.06	5.57
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-4

Test Summary: PASS

Date / Time: 06/12/2025 04:34:06 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 04:34:06 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	458	
Length (ft)	307	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.53	0.53
Limit (dB)	6.50	6.50
Margin (dB)	5.97	5.97
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-5

Test Summary: PASS

Date / Time: 06/12/2025 04:34:06 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:34:06 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	458	
Length (ft)	307	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.04	0.18
Limit (dB)	6.50	6.50
Margin (dB)	6.46	6.32
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-7

Test Summary: PASS

Date / Time: 06/12/2025 04:36:53 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:36:53 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	474	
Length (ft)	318	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.57	3.89
Limit (dB)	6.50	6.50
Margin (dB)	4.93	2.61
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 9-8

Test Summary: PASS

Date / Time: 06/12/2025 04:39:32 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: 131 8 TH

Loss (M->R)
PASS

Date / Time: 06/12/2025 04:39:32 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	483	
Length (ft)	324	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.75	2.72
Limit (dB)	6.50	6.50
Margin (dB)	5.75	3.78
Reference (dBm)	-3.00	-2.99

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: 06/12/2025 05:55:40 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: 131 8 TH

Loss (R->M)
PASS

Date / Time: 06/12/2025 05:55:40 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022

Prop. Delay (ns)	157	
Length (ft)	105	PASS
Limit 16404		
	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.58	0.71
Limit (dB)	6.50	6.50
Margin (dB)	5.92	5.79
Reference (dBm)	-3.24	-3.16

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 06/12/2025 03:31:00 PM
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: UPLINK

Test Summary: FAIL

Date / Time: 05/28/2025 04:48:27 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: 131 8 TH

Loss (R->M)

FAIL

Date / Time: 05/28/2025 04:48:27 PM
Test Limit: General Fiber Optic
CertiFiber Pro (19265199 V6.12 Build 2)
Module: CFP-QUAD (19410064)
Calibration Date: 11/03/2022
CertiFiber Pro Remote (19300034 V6.12 Build 2)
Module: CFP-QUAD (19420167)
Calibration Date: 11/03/2022

Prop. Delay (ns)	480	
Length (ft)	322	PASS
Limit 16404		
	1310 nm	1550 nm
Result	FAIL	FAIL
Loss (dB)	9.99	8.88
Limit (dB)	6.50	6.50
Margin (dB)	-3.49	-2.38
Reference (dBm)	-3.14	-3.04

Connector Type: LC
Patch Length1 (ft): 7
Reference Date: 05/28/2025 02:49:00 PM
1 Jumper