



Cable ID: 3A FAIL

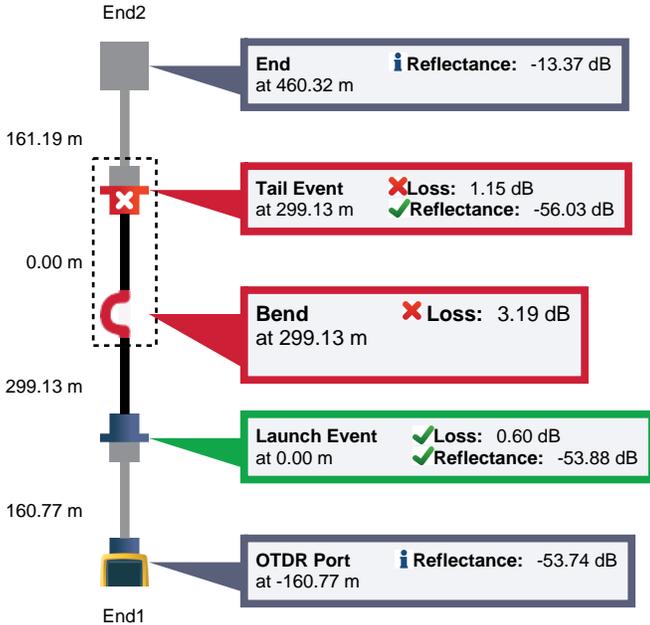
Date / Time: 25/09/2020 11:21:12 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.13 m
Overall Loss: 4.99 dB



OTDR Bidir. Avg. FAIL

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:21:12 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Æ : 0.50 dB

Auto OTDR

	1310 nm	1550 nm
Range (Auto)	699 m	731 m
Resolution (Auto)	0.03 m	0.10 m
Pulse Width (Auto)	30 ns	300 ns
Averaging Time (Auto)	9 s	8 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.13			
Overall Loss (dB)		1.82		4.99	
ORL (dB)		44.32		46.56	
Events					
460.32 m End					
Reflectance (dB)		-14.48		-13.37	
Attn Coeff (dB/km)		0.27		0.27	
299.13 m Tail Event	FAIL				
Loss (dB)		1.15 F	0.75	1.15 F	0.75
Reflectance (dB)		-56.03	-35.00	-57.15	-35.00
299.13 m Bend	FAIL				
Loss (dB)		0.00	0.30	3.19 F	0.30
Attn Coeff (dB/km)		0.31		0.17	



Cable ID: 3A FAIL

Date / Time: 25/09/2020 11:21:12 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. FAIL

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Events					
0.00 m Launch Event	PASS				
Loss (dB)		0.57	0.75	0.60	0.75
Reflectance (dB)		-53.88	-35.00	-55.23	-35.00
Attn Coeff (dB/km)		0.33		0.26	
-160.77 m OTDR Port					
Reflectance (dB)		-55.05		-53.74	

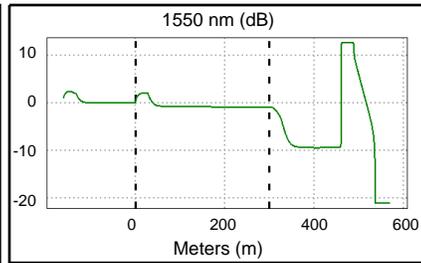
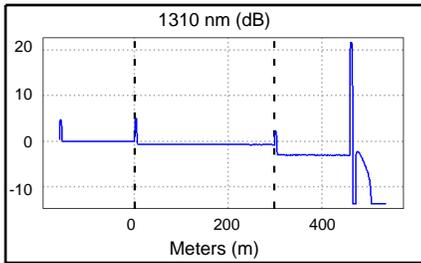
OTDR End1

Test Limit: General Fiber RL = 35
dB Limits Version: 7.5
Date / Time: 25/09/2020 11:56:22
AM Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR

Range (Auto)	1310 nm	1550 nm
	699 m	731 m
Resolution (Auto)	0.03 m	0.10 m
Pulse Width (Auto)	30 ns	300 ns
Averaging Time (Auto)	9 s	8 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB



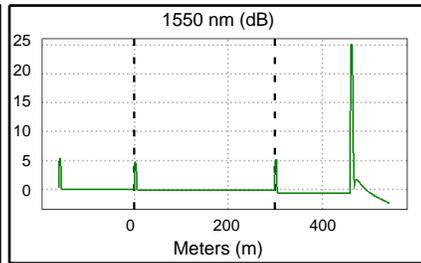
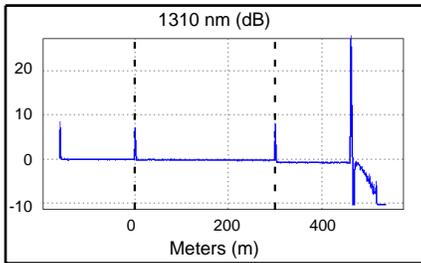
OTDR End2

Test Limit: General Fiber RL = 35
dB Limits Version: 7.5
Date / Time: 25/09/2020 11:20:52
AM Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR

Range (Auto)	1310 nm	1550 nm
	698 m	705 m
Resolution (Auto)	0.13 m	0.03 m
Pulse Width (Auto)	10 ns	30 ns
Averaging Time (Auto)	9 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB





Cable ID: 3A

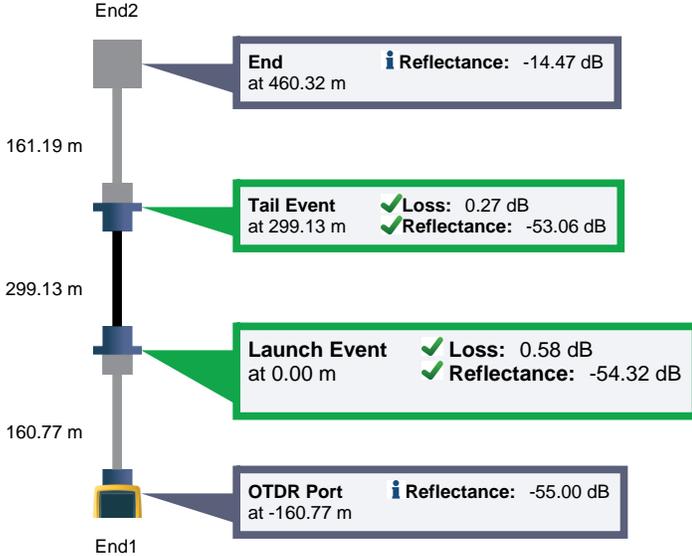
Date / Time: 25/09/2020 07:59:23 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.13 m
Overall Loss: 0.94 dB



OTDR Bidir. Avg. PASS

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	696 m	705 m
Date / Time: 25/09/2020 07:07:23 PM	Launch Length : 160.77 m	Resolution (Auto)	0.13 m	0.03 m
Operator: Cameron Murray	Tail Length : 161.19 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.13			
Overall Loss (dB)		0.94		0.89	
ORL (dB)		44.55		46.72	
Events					
460.32 m End					
Reflectance (dB)		-15.05		-14.47	
Attn Coeff (dB/km)		0.36		0.15	
299.13 m Tail Event	PASS				
Loss (dB)		0.27	0.75	0.25	0.75
Reflectance (dB)		-53.06	-35.00	-54.47	-35.00
Attn Coeff (dB/km)		0.40		0.20	
0.00 m Launch Event	PASS				
Loss (dB)		0.57	0.75	0.58	0.75
Reflectance (dB)		-54.32	-35.00	-55.61	-35.00
Attn Coeff (dB/km)		0.30		0.25	
-160.77 m OTDR Port					
Reflectance (dB)		-55.00		-56.36	



Cable ID: 3A

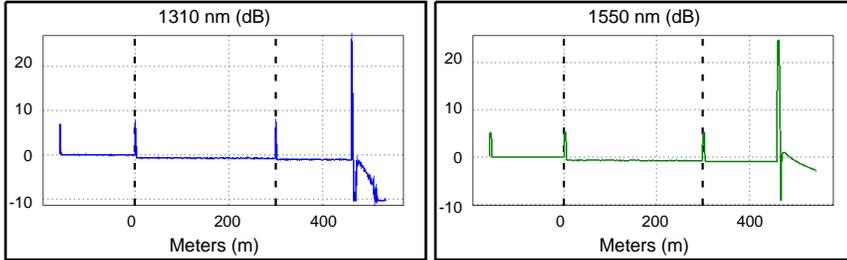
Date / Time: 25/09/2020 07:59:23 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

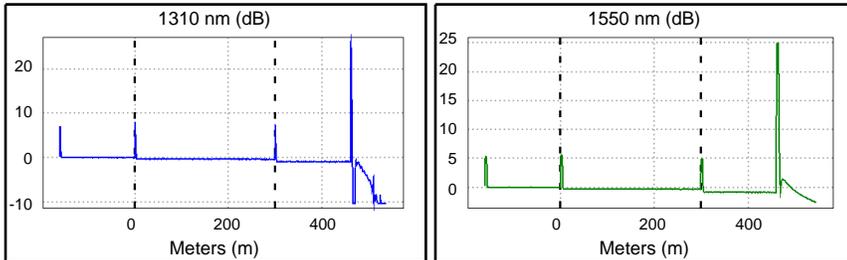
OTDR End1

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	696 m	705 m
Date / Time: 25/09/2020 06:52:29 PM	Launch Length : 160.77 m	Resolution (Auto)	0.13 m	0.03 m
Operator: Cameran Murray	Tail Length : 161.19 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				



OTDR End2

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	698 m	705 m
Date / Time: 25/09/2020 07:07:14 PM	Launch Length : 160.77 m	Resolution (Auto)	0.26 m	0.03 m
Operator: Cameran Murray	Tail Length : 161.19 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	10 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				



Loss (R->M) PASS

Test Limit: ISO/IEC 14763-3:2014
Limits Version: 7.5
Date / Time: 25/09/2020 07:59:23 PM
Operator: Cameran Murray
Main: Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: CertiFiber Pro (CFP-QUAD)
S/N: 20094736
Calibration Start Date: 02/09/2020
Remote: Versiv
S/N: 19410188
Software Version: V6.5 Build 5
Module: CertiFiber Pro Remote (CFP-QUAD)
S/N: 20094737
Calibration Start Date: 02/09/2020

Propagation Delay (ns)	1451	
Length m	296.4	PASS
Limit 5000.0		
Result	1310 nm	1550 nm
Loss (dB)	PASS	PASS
Limit (dB)	0.61	0.69
Margin (dB)	2.22	2.22
Reference (dBm)	1.61	1.53
	-2.96	-3.41

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (m): 2.0
Reference Date: 25/09/2020 07:52:53 PM
1 Jumper



Cable ID: 3A

Date / Time: 25/09/2020 07:59:23 PM n = 1.467000 (1310 nm)
 Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
 Backscatter Coefficient: -82.0dB (1550 nm)

Loss (M->R)

PASS

Test Limit:
 Limits Version:
 Date / Time:

	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.04	0.95
Limit (dB)	2.22	2.22
Margin (dB)	1.18	1.27
Reference (dBm)	-3.41	-3.21

Compliant Network Standards:

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



Cable ID: 3B FAIL

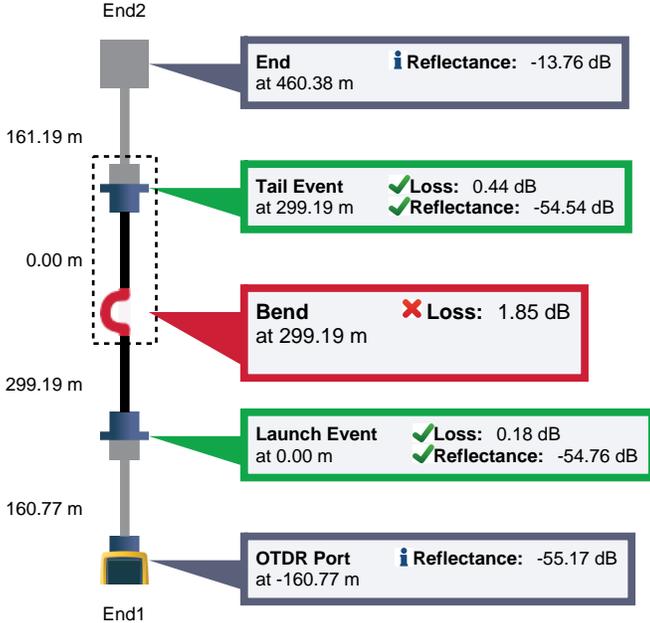
Date / Time: 25/09/2020 11:17:57 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.19 m
Overall Loss: 2.52 dB



OTDR Bidir. Avg. FAIL

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:17:57 AM
Operator: Cameron Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Æ : 0.50 dB

Auto OTDR

	1310 nm	1550 nm
Range (Auto)	699 m	708 m
Resolution (Auto)	0.03 m	0.03 m
Pulse Width (Auto)	30 ns	100 ns
Averaging Time (Auto)	5 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.19			
Overall Loss (dB)		0.70		2.52	
ORL (dB)		44.14		46.47	
Events					
460.38 m End					
Reflectance (dB)		-14.56		-13.76	
Attn Coeff (dB/km)		0.26		0.23	
299.19 m Tail Event	PASS				
Loss (dB)		0.44	0.75	0.44	0.75
Reflectance (dB)		-54.54	-35.00	-55.97	-35.00
299.19 m Bend	FAIL				
Loss (dB)		0.00	0.30	1.85 F	0.30
Attn Coeff (dB/km)		0.30		0.20	



Cable ID: 3B FAIL

Date / Time: 25/09/2020 11:17:57 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. FAIL

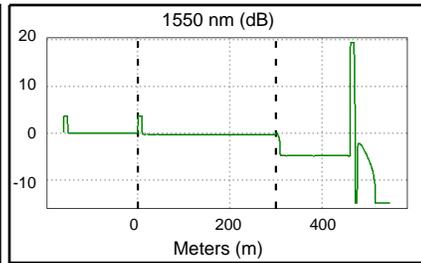
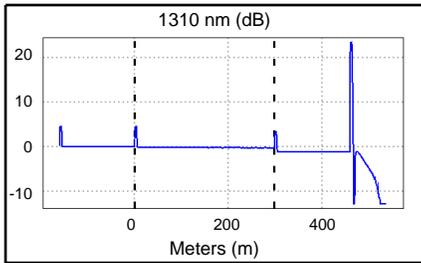
Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Events					
0.00 m Launch Event	PASS				
Loss (dB)		0.18	0.75	0.18	0.75
Reflectance (dB)		-54.76	-35.00	-55.86	-35.00
Attn Coeff (dB/km)		0.33		0.13	
OTDR Port					
-160.77 m					
Reflectance (dB)		-55.17		-56.51	

OTDR End1

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:57:12 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR
Range (Auto) 1310 nm 699 m 1550 nm 708 m
Resolution (Auto) 0.03 m 0.03 m
Pulse Width (Auto) 30 ns 100 ns
Averaging Time (Auto) 5 s 10 s
Loss Threshold (Auto) 0.10 dB 0.10 dB
End Threshold (Auto) 0.00 dB 0.00 dB

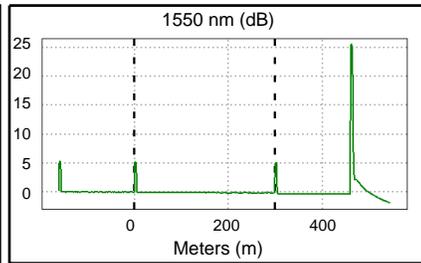
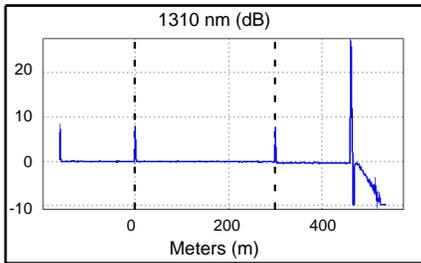


OTDR End2

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:17:27 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 161.00 m
Tail Length : 161.18 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR
Range (Auto) 1310 nm 698 m 1550 nm 705 m
Resolution (Auto) 0.03 m 0.03 m
Pulse Width (Auto) 10 ns 30 ns
Averaging Time (Auto) 8 s 8 s
Loss Threshold (Auto) 0.10 dB 0.10 dB
End Threshold (Auto) 0.00 dB 0.00 dB





Cable ID: 3B

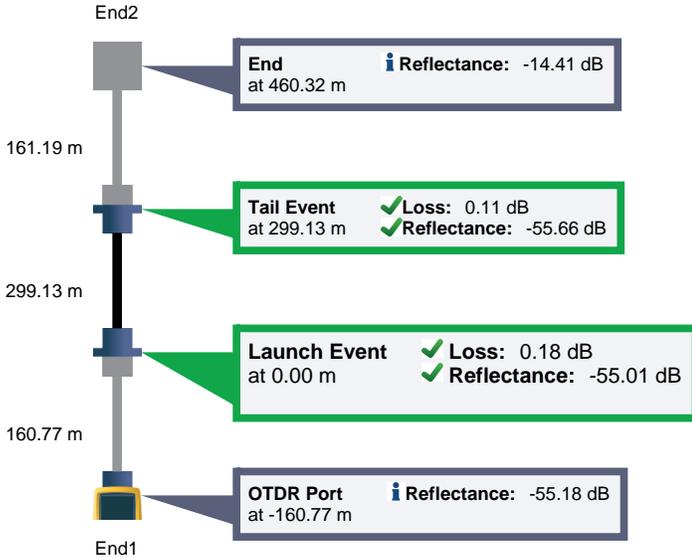
Date / Time: 25/09/2020 08:00:15 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.13 m
Overall Loss: 0.33 dB



OTDR Bidir. Avg. PASS

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	698 m	705 m
Date / Time: 25/09/2020 07:08:11 PM	Launch Length : 160.77 m	Resolution (Auto)	0.03 m	0.03 m
Operator: Cameron Murray	Tail Length : 161.19 m	Pulse Width (Auto)	30 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	7 s	7 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.13			
Overall Loss (dB)		0.33		0.33	
ORL (dB)		44.23		46.58	
Events					
460.32 m End					
Reflectance (dB)		-14.85		-14.41	
Attn Coeff (dB/km)		0.40		0.19	
299.13 m Tail Event	PASS				
Loss (dB)		0.09	0.75	0.11	0.75
Reflectance (dB)		-55.66	-35.00	-57.00	-35.00
Attn Coeff (dB/km)		0.31		0.15	
0.00 m Launch Event	PASS				
Loss (dB)		0.16	0.75	0.18	0.75
Reflectance (dB)		-55.01	-35.00	-55.98	-35.00
Attn Coeff (dB/km)		0.42		0.15	
-160.77 m OTDR Port					
Reflectance (dB)		-55.18		-56.34	



Cable ID: 3B

Date / Time: 25/09/2020 08:00:15 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

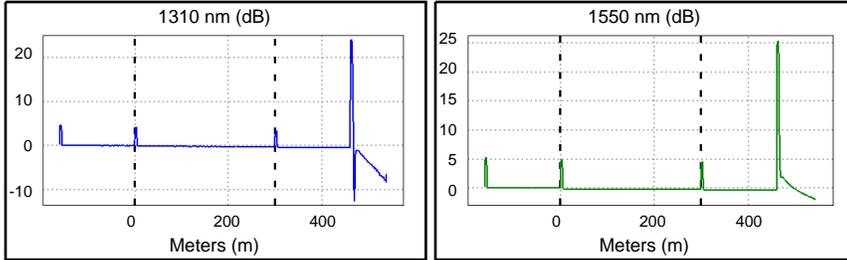
Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR End1

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 06:53:20 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 04:43 PM
Macroband Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR	1310 nm	1550 nm
Range (Auto)	698 m	705 m
Resolution (Auto)	0.03 m	0.03 m
Pulse Width (Auto)	30 ns	30 ns
Averaging Time (Auto)	7 s	7 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

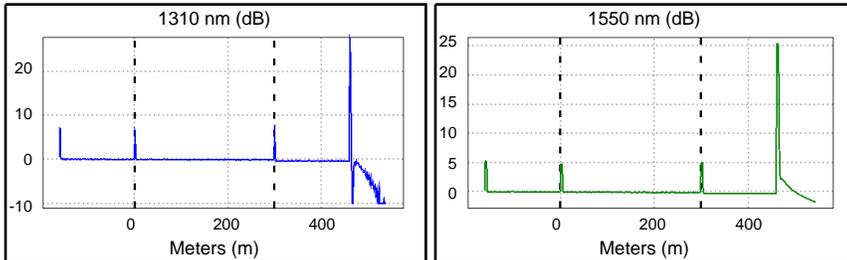


OTDR End2

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 07:08:03 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 04:43 PM
Macroband Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR	1310 nm	1550 nm
Range (Auto)	700 m	705 m
Resolution (Auto)	0.06 m	0.03 m
Pulse Width (Auto)	10 ns	30 ns
Averaging Time (Auto)	9 s	6 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB



Loss (R->M) PASS

Test Limit: ISO/IEC 14763-3:2014
Limits Version: 7.5
Date / Time: 25/09/2020 08:00:15 PM
Operator: Cameran Murray
Main: Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: CertiFiber Pro (CFP-QUAD)
S/N: 20094736
Calibration Start Date: 02/09/2020
Remote: Versiv
S/N: 19410188
Software Version: V6.5 Build 5
Module: CertiFiber Pro Remote (CFP-QUAD)
S/N: 20094737
Calibration Start Date: 02/09/2020

Propagation Delay (ns)	1451	
Length m	296.4	PASS
Limit 5000.0		
Result	1310 nm	1550 nm
Loss (dB)	PASS	PASS
Limit (dB)	0.32	0.31
Margin (dB)	2.22	2.22
Reference (dBm)	1.90	1.91
Reference (dBm)	-2.96	-3.41

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (m): 2.0
Reference Date: 25/09/2020 07:52:53 PM
1 Jumper



Cable ID: 3B

Date / Time: 25/09/2020 08:00:15 PM n = 1.467000 (1310 nm)
 Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
 Backscatter Coefficient: -82.0dB (1550 nm)

Loss (M->R)

PASS

Test Limit:
 Limits Version:
 Date / Time:

	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.07	1.19
Limit (dB)	2.22	2.22
Margin (dB)	1.15	1.03
Reference (dBm)	-3.41	-3.21

Compliant Network Standards:

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



Cable ID: 4A FAIL

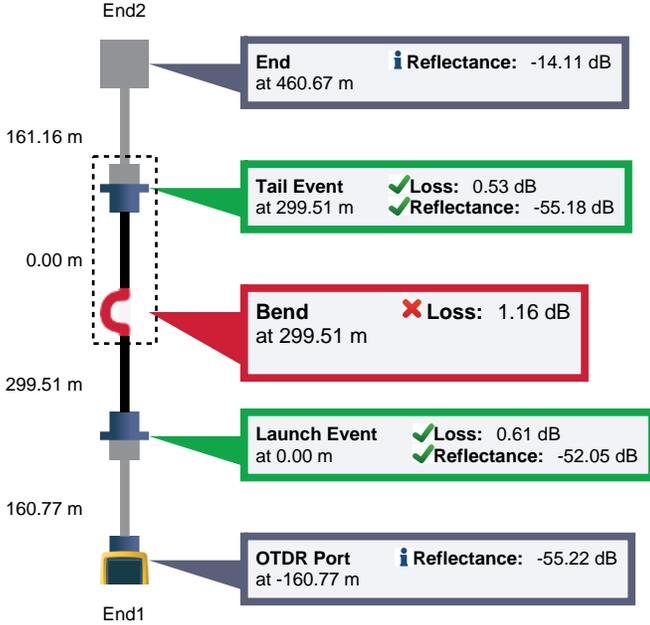
Date / Time: 25/09/2020 11:23:19 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.51 m
Overall Loss: 2.27 dB



OTDR Bidir. Avg. FAIL

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:23:19 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.16 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Æ : 0.50 dB

Auto OTDR

	1310 nm	1550 nm
Range (Auto)	699 m	710 m
Resolution (Auto)	0.03 m	0.03 m
Pulse Width (Auto)	30 ns	100 ns
Averaging Time (Auto)	7 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.51			
Overall Loss (dB)		1.24		2.27	
ORL (dB)		44.03		46.03	
Events					
460.67 m End					
Reflectance (dB)		-14.67		-14.11	
Attn Coeff (dB/km)		0.33		0.23	
299.51 m Tail Event	PASS				
Loss (dB)		0.53	0.75	0.53	0.75
Reflectance (dB)		-55.18	-35.00	-56.34	-35.00
299.51 m Bend	FAIL				
Loss (dB)		0.00	0.30	1.16 F	0.30
Attn Coeff (dB/km)		0.32		0.18	



Cable ID: 4A FAIL

Date / Time: 25/09/2020 11:23:19 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. FAIL

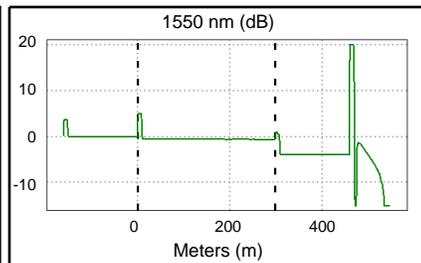
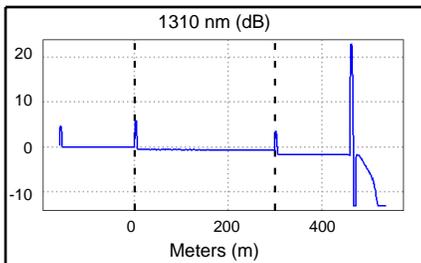
Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Events					
0.00 m Launch Event	PASS				
Loss (dB)		0.61	0.75	0.54	0.75
Reflectance (dB)		-52.05	-35.00	-52.62	-35.00
Attn Coeff (dB/km)		0.28		0.17	
-160.77 m OTDR Port					
Reflectance (dB)		-55.22		-56.58	

OTDR End1

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:53:21 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR
Range (Auto) 1310 nm 699 m 1550 nm 710 m
Resolution (Auto) 0.03 m 0.03 m
Pulse Width (Auto) 30 ns 100 ns
Averaging Time (Auto) 7 s 10 s
Loss Threshold (Auto) 0.10 dB 0.10 dB
End Threshold (Auto) 0.00 dB 0.00 dB

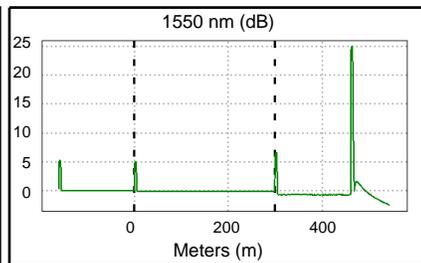
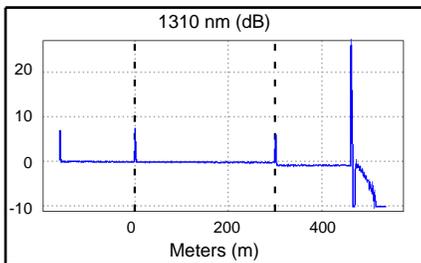


OTDR End2

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:23:12 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR
Range (Auto) 1310 nm 698 m 1550 nm 705 m
Resolution (Auto) 0.06 m 0.03 m
Pulse Width (Auto) 10 ns 30 ns
Averaging Time (Auto) 9 s 10 s
Loss Threshold (Auto) 0.10 dB 0.10 dB
End Threshold (Auto) 0.00 dB 0.00 dB





Cable ID: 4A

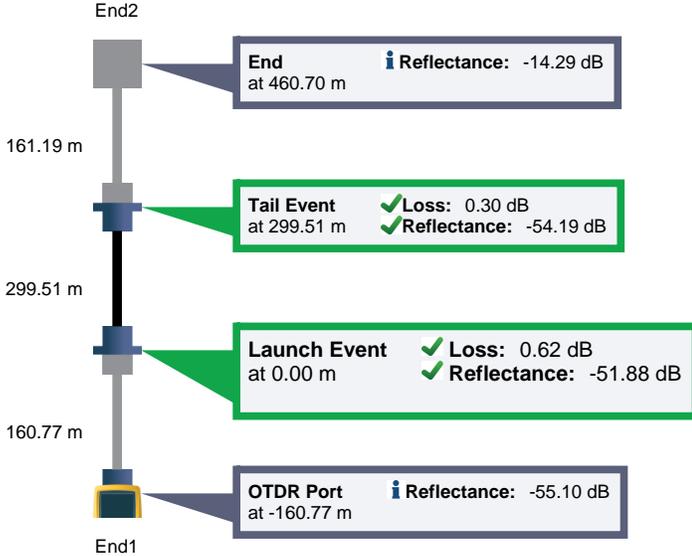
Date / Time: 25/09/2020 08:01:28 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 299.51 m
Overall Loss: 0.96 dB



OTDR Bidir. Avg. PASS

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	694 m	705 m
Date / Time: 25/09/2020 07:09:04 PM	Launch Length : 160.77 m	Resolution (Auto)	0.03 m	0.03 m
Operator: Cameron Murray	Tail Length : 161.19 m	Pulse Width (Auto)	30 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macrobend Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		299.51		0.89	
Overall Loss (dB)		0.96			
ORL (dB)		44.13		46.41	
Events					
460.70 m End					
Reflectance (dB)		-14.80		-14.29	
Attn Coeff (dB/km)		0.28		0.24	
299.51 m Tail Event	PASS				
Loss (dB)		0.25	0.75	0.30	0.75
Reflectance (dB)		-54.19	-35.00	-55.29	-35.00
Attn Coeff (dB/km)		0.32		0.16	
0.00 m Launch Event	PASS				
Loss (dB)		0.62	0.75	0.55	0.75
Reflectance (dB)		-51.88	-35.00	-52.41	-35.00
Attn Coeff (dB/km)		0.30		0.14	
-160.77 m OTDR Port					
Reflectance (dB)		-55.10		-56.30	



Cable ID: 4A

Date / Time: 25/09/2020 08:01:28 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

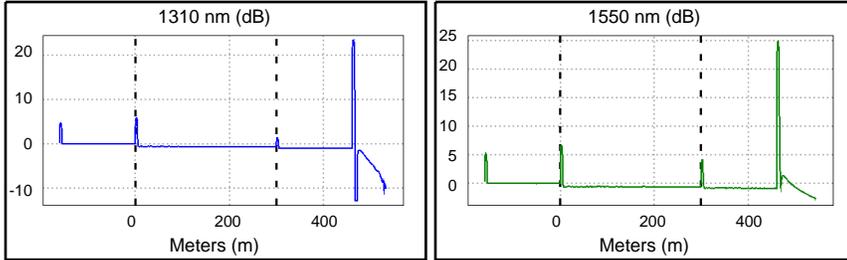
Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR End1

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 06:54:31 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 04:43 PM
Macroband Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR	1310 nm	1550 nm
Range (Auto)	694 m	705 m
Resolution (Auto)	0.03 m	0.03 m
Pulse Width (Auto)	30 ns	30 ns
Averaging Time (Auto)	9 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

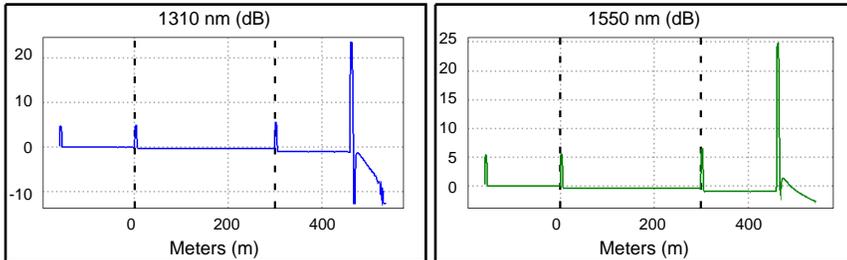


OTDR End2

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 07:08:53 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 04:43 PM
Macroband Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR	1310 nm	1550 nm
Range (Auto)	699 m	705 m
Resolution (Auto)	0.03 m	0.03 m
Pulse Width (Auto)	30 ns	30 ns
Averaging Time (Auto)	5 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB



Loss (R->M) PASS

Test Limit: ISO/IEC 14763-3:2014
Limits Version: 7.5
Date / Time: 25/09/2020 08:01:28 PM
Operator: Cameran Murray
Main: Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: CertiFiber Pro (CFP-QUAD)
S/N: 20094736
Calibration Start Date: 02/09/2020
Remote: Versiv
S/N: 19410188
Software Version: V6.5 Build 5
Module: CertiFiber Pro Remote (CFP-QUAD)
S/N: 20094737
Calibration Start Date: 02/09/2020

Propagation Delay (ns)	1451	
Length m	296.4	PASS
Limit 5000.0		
Result	1310 nm	1550 nm
Loss (dB)	PASS	PASS
Limit (dB)	0.88	0.91
Margin (dB)	2.22	2.22
Reference (dBm)	1.34	1.31
Reference (dBm)	-2.96	-3.41

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (m): 2.0
Reference Date: 25/09/2020 07:52:53 PM
1 Jumper



Cable ID: 4A

Date / Time: 25/09/2020 08:01:28 PM n = 1.467000 (1310 nm)
 Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
 Backscatter Coefficient: -82.0dB (1550 nm)

Loss (M->R)

PASS

Test Limit:
 Limits Version:
 Date / Time:

	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	0.68	0.82
Limit (dB)	2.22	2.22
Margin (dB)	1.54	1.40
Reference (dBm)	-3.41	-3.21

Compliant Network Standards:

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



Cable ID: 4B FAIL

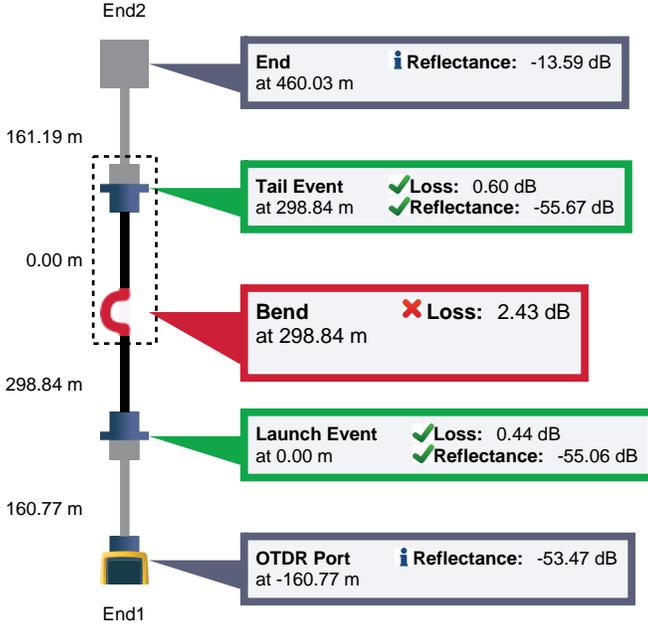
Date / Time: 25/09/2020 11:25:02 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 298.84 m
Overall Loss: 3.49 dB



OTDR Bidir. Avg. FAIL

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:25:02 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFF-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macrobend Thresholds
1550 nm - 1310 nm Æ : 0.50 dB

Auto OTDR

	1310 nm	1550 nm
Range (Auto)	699 m	736 m
Resolution (Auto)	0.03 m	0.10 m
Pulse Width (Auto)	30 ns	300 ns
Averaging Time (Auto)	8 s	1 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		298.84			
Overall Loss (dB)		1.13		3.49	
ORL (dB)		44.33		46.61	
Events					
460.03 m End					
Reflectance (dB)		-14.63		-13.59	
Attn Coeff (dB/km)		0.33		1.02	
298.84 m Tail Event	PASS				
Loss (dB)		0.60	0.75	0.60	0.75
Reflectance (dB)		-55.67	-35.00	-57.06	-35.00
298.84 m Bend	FAIL				
Loss (dB)		0.00	0.30	2.43 F	0.30
Attn Coeff (dB/km)		0.31		0.19	



Cable ID: 4B FAIL

Date / Time: 25/09/2020 11:25:02 AM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: FAIL

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. FAIL

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Events					
0.00 m Launch Event	PASS				
Loss (dB)		0.44	0.75	0.41	0.75
Reflectance (dB)		-55.06	-35.00	-56.40	-35.00
Attn Coeff (dB/km)		0.30		0.31	
OTDR Port					
-160.77 m					
Reflectance (dB)		-55.14		-53.47	

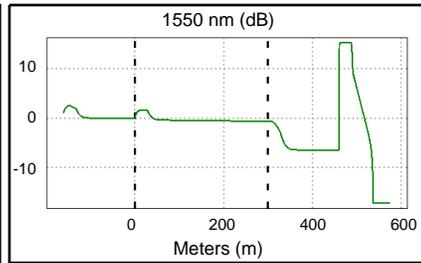
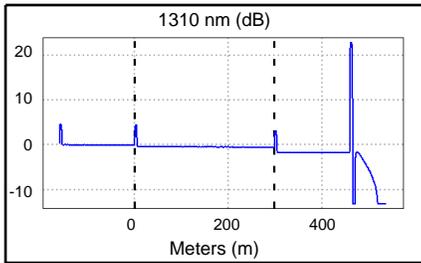
OTDR End1

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:54:32 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR

Range (Auto)	1310 nm	1550 nm
	699 m	736 m
Resolution (Auto)	0.03 m	0.10 m
Pulse Width (Auto)	30 ns	300 ns
Averaging Time (Auto)	8 s	1 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB



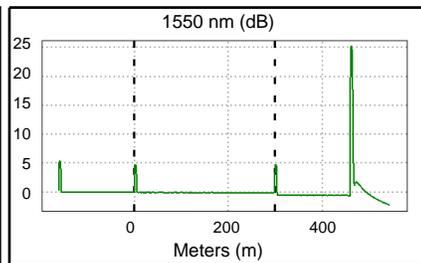
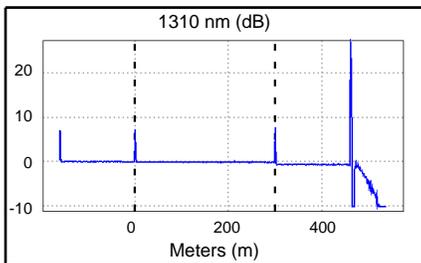
OTDR End2

Test Limit: General Fiber RL = 35 dB
Limits Version: 7.5
Date / Time: 25/09/2020 11:24:52 AM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: OptiFiber Pro (OFP-QUAD)
S/N: 20360124
Calibration Start Date: 23/09/2020

Launch + Tail
Launch/Tail Type: Singlemode
Launch Length : 160.77 m
Tail Length : 161.19 m
Compensation Date: 25/09/2020 10:36 AM
Macro Bend Thresholds
1550 nm - 1310 nm Δ : 0.50 dB

Auto OTDR

Range (Auto)	1310 nm	1550 nm
	698 m	705 m
Resolution (Auto)	0.06 m	0.03 m
Pulse Width (Auto)	10 ns	30 ns
Averaging Time (Auto)	9 s	10 s
Loss Threshold (Auto)	0.10 dB	0.10 dB
End Threshold (Auto)	0.00 dB	0.00 dB





Cable ID: 4B

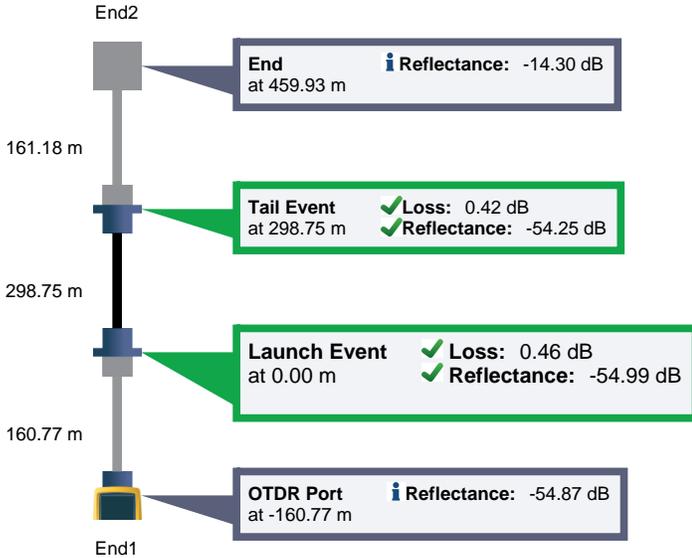
Date / Time: 25/09/2020 08:01:53 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

OTDR Bidir. Avg. EventMap

Fiber Length: 298.75 m
Overall Loss: 0.88 dB



OTDR Bidir. Avg. PASS

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	696 m	705 m
Date / Time: 25/09/2020 07:10:23 PM	Launch Length : 160.77 m	Resolution (Auto)	0.13 m	0.03 m
Operator: Cameron Murray	Tail Length : 161.18 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				

Measurements	Status	1310 nm		1550 nm	
		Value	Limit	Value	Limit
Overall Length (m)		298.75			
Overall Loss (dB)		0.77		0.88	
ORL (dB)		44.44		46.88	
Events					
459.93 m End					
Reflectance (dB)		-15.09		-14.30	
Attn Coeff (dB/km)		0.35		0.17	
298.75 m Tail Event	PASS				
Loss (dB)		0.22	0.75	0.42	0.75
Reflectance (dB)		-54.25	-35.00	-56.32	-35.00
Attn Coeff (dB/km)		0.30		0.17	
0.00 m Launch Event	PASS				
Loss (dB)		0.46	0.75	0.41	0.75
Reflectance (dB)		-54.99	-35.00	-56.39	-35.00
Attn Coeff (dB/km)		0.32		0.27	
-160.77 m OTDR Port					
Reflectance (dB)		-54.87		-56.27	



Cable ID: 4B

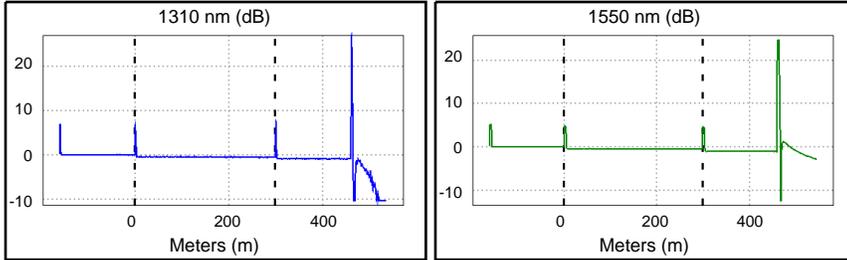
Date / Time: 25/09/2020 08:01:53 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

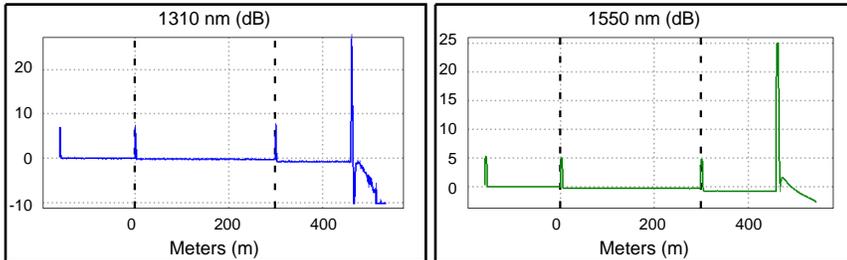
OTDR End1

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	696 m	705 m
Date / Time: 25/09/2020 06:55:37 PM	Launch Length : 160.77 m	Resolution (Auto)	0.13 m	0.03 m
Operator: Cameran Murray	Tail Length : 161.18 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				



OTDR End2

Test Limit: General Fiber RL = 35 dB	Launch + Tail	Auto OTDR	1310 nm	1550 nm
Limits Version: 7.5	Launch/Tail Type: Singlemode	Range (Auto)	696 m	705 m
Date / Time: 25/09/2020 07:10:17 PM	Launch Length : 160.77 m	Resolution (Auto)	0.13 m	0.03 m
Operator: Cameran Murray	Tail Length : 161.18 m	Pulse Width (Auto)	10 ns	30 ns
Versiv	Compensation Date: 25/09/2020 04:43 PM	Averaging Time (Auto)	9 s	10 s
S/N: 19463184	Macroband Thresholds	Loss Threshold (Auto)	0.10 dB	0.10 dB
Software Version: V6.5 Build 5	1550 nm - 1310 nm Δ : 0.50 dB	End Threshold (Auto)	0.00 dB	0.00 dB
Module: OptiFiber Pro (OFF-QUAD)				
S/N: 20360124				
Calibration Start Date: 23/09/2020				



Loss (R->M) PASS

Test Limit: ISO/IEC 14763-3:2014
Limits Version: 7.5
Date / Time: 25/09/2020 08:01:53 PM
Operator: Cameran Murray
Main: Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Module: CertiFiber Pro (CFP-QUAD)
S/N: 20094736
Calibration Start Date: 02/09/2020
Remote: Versiv
S/N: 19410188
Software Version: V6.5 Build 5
Module: CertiFiber Pro Remote (CFP-QUAD)
S/N: 20094737
Calibration Start Date: 02/09/2020

Propagation Delay (ns)	1451	
Length m	296.4	PASS
Limit 5000.0		
Result	1310 nm	1550 nm
Loss (dB)	PASS	PASS
Limit (dB)	0.61	0.75
Margin (dB)	2.22	2.22
Reference (dBm)	1.61	1.47
	-2.96	-3.41

Number of Adapters: 2
Number of Splices: 2
Connector Type: LC
Patch Length1 (m): 2.0
Reference Date: 25/09/2020 07:52:53 PM
1 Jumper



Cable ID: 4B

Date / Time: 25/09/2020 08:01:53 PM n = 1.467000 (1310 nm)
Cable Type: OS2 Singlemode n = 1.468000 (1550 nm)

Test Summary: PASS

Backscatter Coefficient: -79.5dB (1310 nm)
Backscatter Coefficient: -82.0dB (1550 nm)

Loss (M->R)

PASS

Test Limit:
Limits Version:
Date / Time:

	1310 nm	1550 nm
Result	PASS	PASS
Loss (dB)	1.36	1.67
Limit (dB)	2.22	2.22
Margin (dB)	0.86	0.55
Reference (dBm)	-3.41	-3.21

Compliant Network Standards:

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

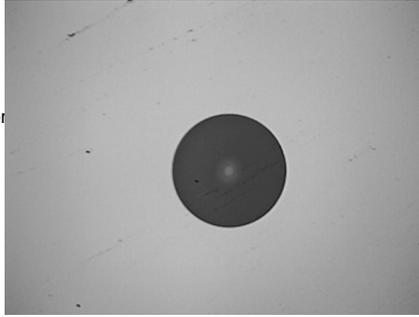
Cable ID: PIGTAIL 1 - CLEANED

Date / Time: 25/09/2020 01:53:45 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 01:53:45 PM Operator
Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



Cable ID: PIGTAIL 1 - PRIOR CLEANING

Date / Time: 25/09/2020 01:51:27 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only

Limits Version:

Date / Time: 25/09/2020 01:51:27 PM Operator

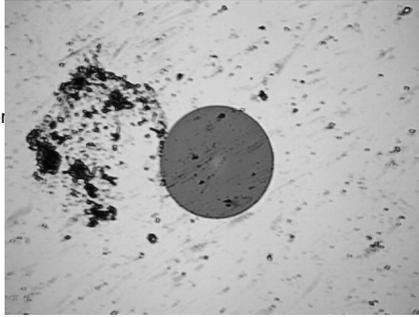
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



Cable ID: PIGTAIL 2 - CLEANED

Date / Time: 25/09/2020 02:01:09 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only

Limits Version:

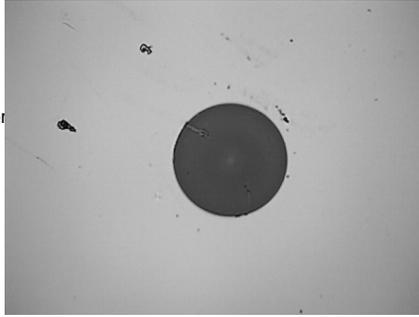
Date / Time: 25/09/2020 02:01:09 PM Operator
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



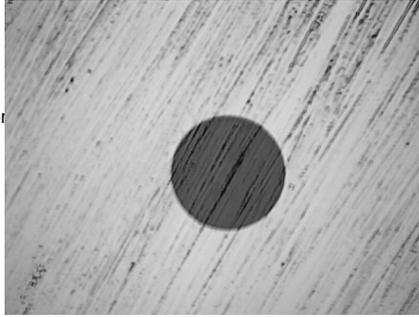
Cable ID: PIGTAIL 2 - PRIOR CLEANING

Date / Time: 25/09/2020 01:56:12 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 01:56:12 PM Operator
Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



Cable ID: PIGTAIL 3 - CLEANED

Date / Time: 25/09/2020 01:56:50 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only

Limits Version:

Date / Time: 25/09/2020 01:56:50 PM Operator

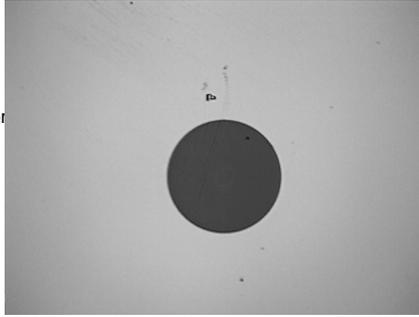
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



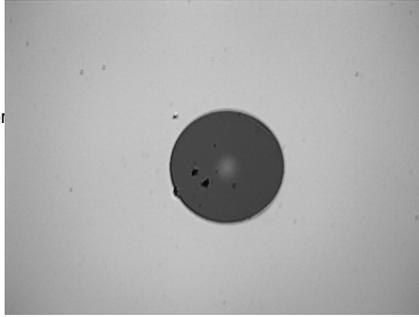
Cable ID: PIGTAIL 4 - CLEANED

Date / Time: 25/09/2020 02:05:21 PM Cable Type: OS2 Singlemode

Test Summary: N/A

**Endface Image End1
NOT GRADED**

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 02:05:21 PM Operator
Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



Cable ID: PIGTAIL 4 - PRIOR CLEANING

Date / Time: 25/09/2020 02:02:51 PM Cable Type: OS2 Singlemode

Test Summary: N/A

Endface Image End1

NOT GRADED

Test Limit: Document Only

Limits Version:

Date / Time: 25/09/2020 02:02:51 PM Operator

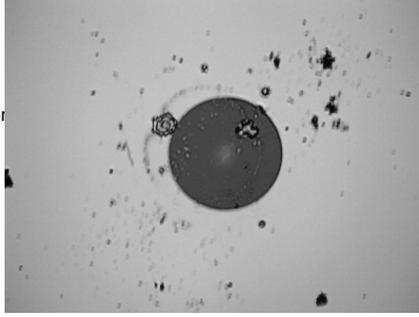
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



CCTV COLUMN - COPPER



Cable ID: CAMERA TO SWITCH

Test Limit: ISO11801 Channel Class D (+PoE)

Limits Version: V7.5

Date / Time: 25/09/2020 12:03:10 PM

Operator: Cameran Murray

Headroom 12.6 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19370299

Software Version: V6.5 Build 5

Calibration Date: 18/08/2020

Adapter: DSX-5000 (DSX-PLA004)

S/N: 20100490

Test Summary: PASS

Remote: Versiv

S/N: 19390315

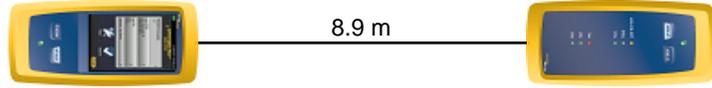
Software Version: V6.5 Build 5

Calibration Date: 19/08/2020

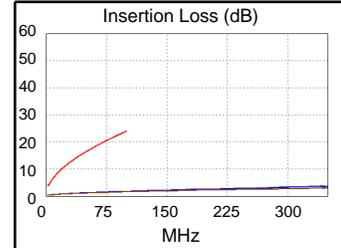
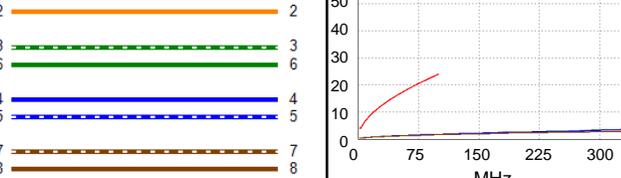
Adapter: DSX-5000R (DSX-CHA004)

S/N: 4855039

Length (m), Limit 100.0	[Pair 7,8]	8.9
Prop. Delay (ns), Limit 555	[Pair 4,5]	46
Delay Skew (ns), Limit 50	[Pair 4,5]	3
Resistance (ohms), Limit 25.00	[Pair 4,5]	1.50
Resist. Unbal. (ohms), Limit 0.200	[Pair 3,6]	0.013
Resist. P2P Unbal. (ohms), Limit 0.200	[Pair 1,2-3,6]	0.031
Insertion Loss Margin (dB)	[Pair 3,6]	22.3
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	24.0

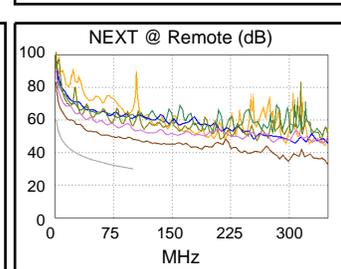
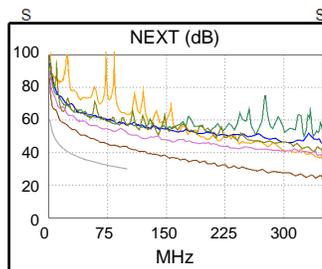


Wire Map (T568B)
PASS

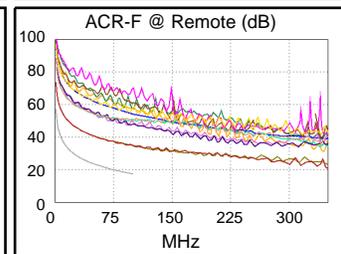
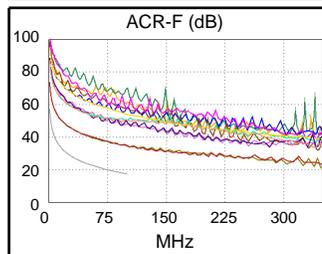


Worst Case Margin Worst Case Value

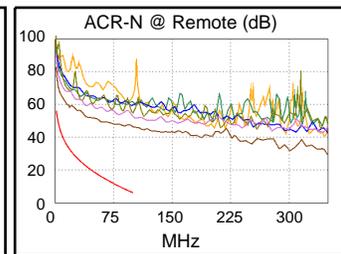
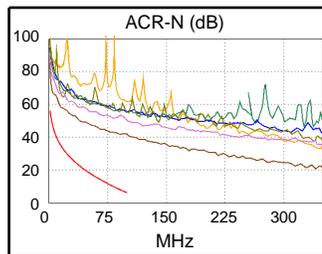
N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	12.6	16.4	12.7	18.0
Freq. (MHz)	91.3	7.8	91.5	100.0
Limit (dB)	30.8	48.8	30.7	30.1
Worst Pair	4,5	4,5	4,5	4,5
PS NEXT (dB)	15.0	18.6	15.7	19.9
Freq. (MHz)	79.8	7.8	100.0	100.0
Limit (dB)	28.8	45.8	27.1	27.1



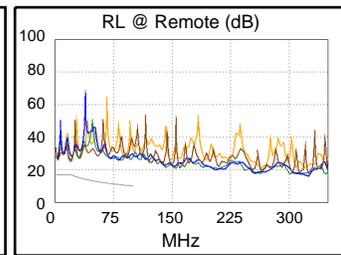
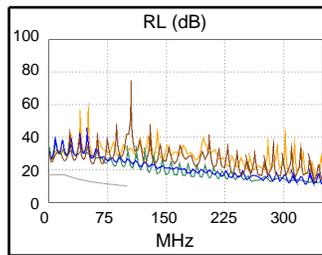
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	4,5-3,6	3,6-4,5
ACR-F (dB)	16.3	16.4	17.2	17.2
Freq. (MHz)	1.6	2.1	100.0	100.0
Limit (dB)	53.2	50.9	17.4	17.4
Worst Pair	3,6	4,5	3,6	3,6
PS ACR-F (dB)	19.4	19.3	20.1	20.1
Freq. (MHz)	3.3	3.3	100.0	100.0
Limit (dB)	44.2	44.2	14.4	14.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	19.9	21.7	33.9	40.3
Freq. (MHz)	4.5	3.8	91.5	100.0
Limit (dB)	47.9	49.6	7.9	6.1
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-N (dB)	22.2	23.7	38.0	42.2
Freq. (MHz)	3.3	3.1	100.0	100.0
Limit (dB)	47.9	48.3	3.1	3.1



N/A	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	3,6	7,8
RL (dB)	7.8	8.1	11.5	8.2
Freq. (MHz)	4.0	20.1	95.8	20.3
Limit (dB)	17.0	17.0	10.2	16.9



Compliant Network Standards:

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

CCTV P1



Cable ID: P1 - EXISITING CABLE - DAMAGED

Test Summary: FAIL

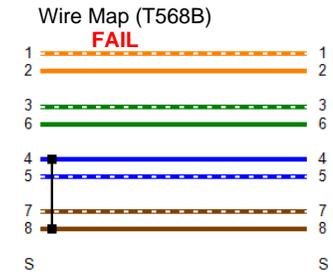
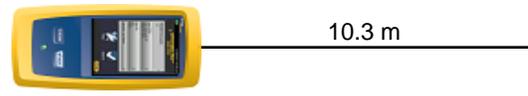
Test Limit: ISO11801 PL Class D (+PoE)

Limits Version: V7.5
Date / Time: 25/09/2020 12:42:04 PM
Operator: Cameran Murray
Cable Type: Cat 5e U/UTP
NVP: 69.0%

Main: Versiv
S/N: 19370299
Software Version: V6.5 Build 5
Calibration Date: 18/08/2020
Adapter: DSX-5000 (DSX-PLA004)
S/N: 20100495

Remote: Versiv
S/N: 19390315
Software Version: V6.5 Build 5
Calibration Date: 19/08/2020
Adapter: DSX-5000R (DSX-PLA004)
S/N: 20100490

Length (m)	[Pair 1,2]	10.3
Prop. Delay (ns)	[Pair 4,5]	51
Delay Skew (ns)	[Pair 3,6]	1
Resistance (ohms)		N/A





Cable ID: P1 - REPLACED

Test Limit: ISO11801 PL Class D (+PoE)

Limits Version: V7.5

Date / Time: 25/09/2020 01:21:45 PM

Operator: Cameron Murray

Headroom 5.2 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19370299

Software Version: V6.5 Build 5

Calibration Date: 18/08/2020

Adapter: DSX-5000 (DSX-PLA004)

S/N: 20100495

Remote: Versiv

S/N: 19390315

Software Version: V6.5 Build 5

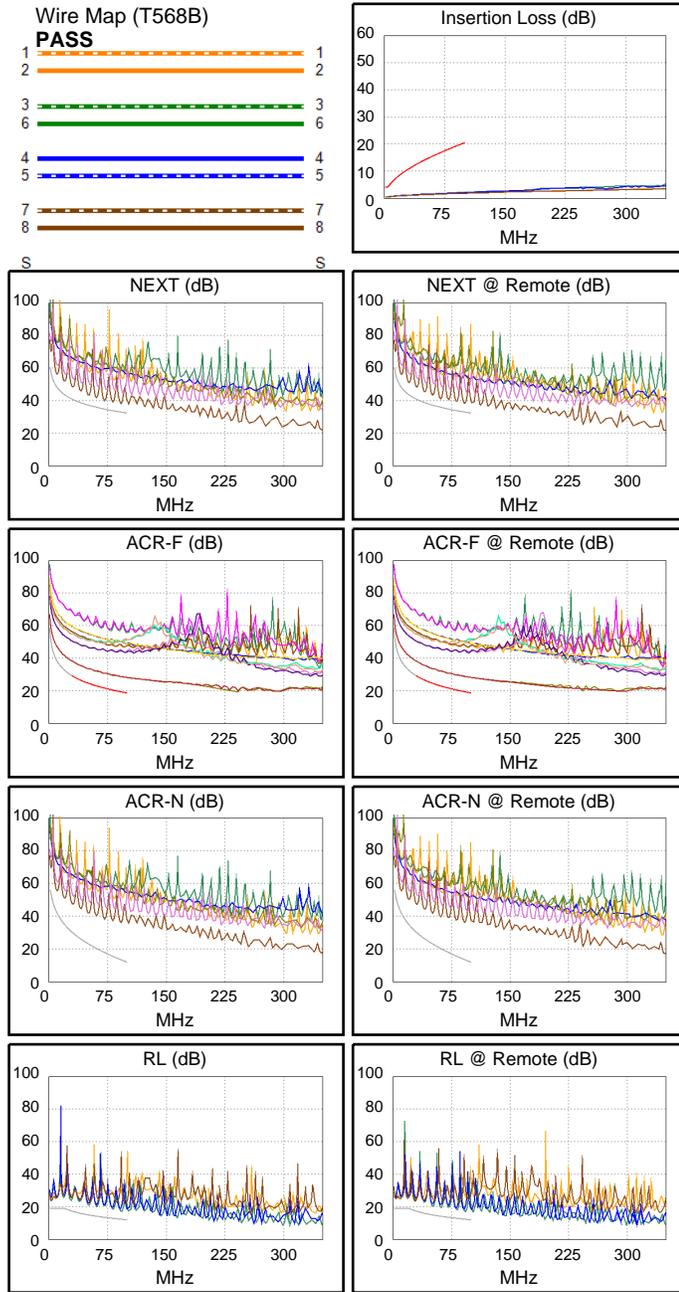
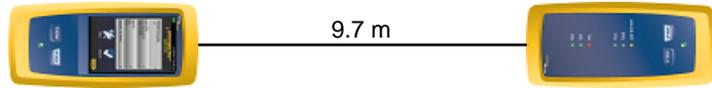
Calibration Date: 19/08/2020

Adapter: DSX-5000R (DSX-PLA004)

S/N: 20100490

Test Summary: PASS

Length (m), Limit 90.0	[Pair 7,8]	9.7
Prop. Delay (ns), Limit 498	[Pair 4,5]	51
Delay Skew (ns), Limit 44	[Pair 4,5]	4
Resistance (ohms), Limit 21.00	[Pair 3,6]	1.63
Resist. Unbal. (ohms), Limit 0.200	[Pair 4,5]	0.017
Resist. P2P Unbal. (ohms), Limit 0.200	[Pair 1,2-3,6]	0.053
Insertion Loss Margin (dB)	[Pair 3,6]	18.3
Frequency (MHz)	[Pair 3,6]	100.0
Limit (dB)	[Pair 3,6]	20.4



Worst Case Margin Worst Case Value

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	5.3	5.2	5.4	5.3
Freq. (MHz)	71.5	60.8	92.3	91.8
Limit (dB)	34.7	35.9	32.9	32.9
Worst Pair	4,5	4,5	4,5	4,5
PS NEXT (dB)	7.8	7.7	8.1	8.0
Freq. (MHz)	71.8	60.8	92.8	92.3
Limit (dB)	31.7	32.9	29.8	29.9

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	3,6-4,5
ACR-F (dB)	8.0	8.1	9.5	9.5
Freq. (MHz)	1.0	1.0	100.0	100.0
Limit (dB)	58.6	58.6	18.6	18.6
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	10.6	10.8	12.4	12.4
Freq. (MHz)	1.0	1.3	100.0	100.0
Limit (dB)	55.6	53.7	15.6	15.6

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	13.4	13.4	23.0	22.8
Freq. (MHz)	9.8	9.8	92.3	91.8
Limit (dB)	42.7	42.7	13.3	13.4
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-N (dB)	15.4	15.4	25.6	25.6
Freq. (MHz)	9.8	9.8	92.8	92.3
Limit (dB)	39.7	39.7	10.3	10.3

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6	3,6	3,6	3,6
RL (dB)	4.6	4.5	4.6	4.6
Freq. (MHz)	93.0	92.3	93.0	92.8
Limit (dB)	12.3	12.4	12.3	12.3

Compliant Network Standards:

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

CCTV P2



Cable ID: P2

Test Limit: ISO11801 PL Class D (+PoE)

Limits Version: V7.5

Date / Time: 25/09/2020 12:46:54 PM

Operator: Cameron Murray

Headroom 6.1 dB (NEXT 3,6-4,5)

Cable Type: Cat 5e U/UTP

NVP: 69.0%

Main: Versiv

S/N: 19370299

Software Version: V6.5 Build 5

Calibration Date: 18/08/2020

Adapter: DSX-5000 (DSX-PLA004)

S/N: 20100495

Remote: Versiv

S/N: 19390315

Software Version: V6.5 Build 5

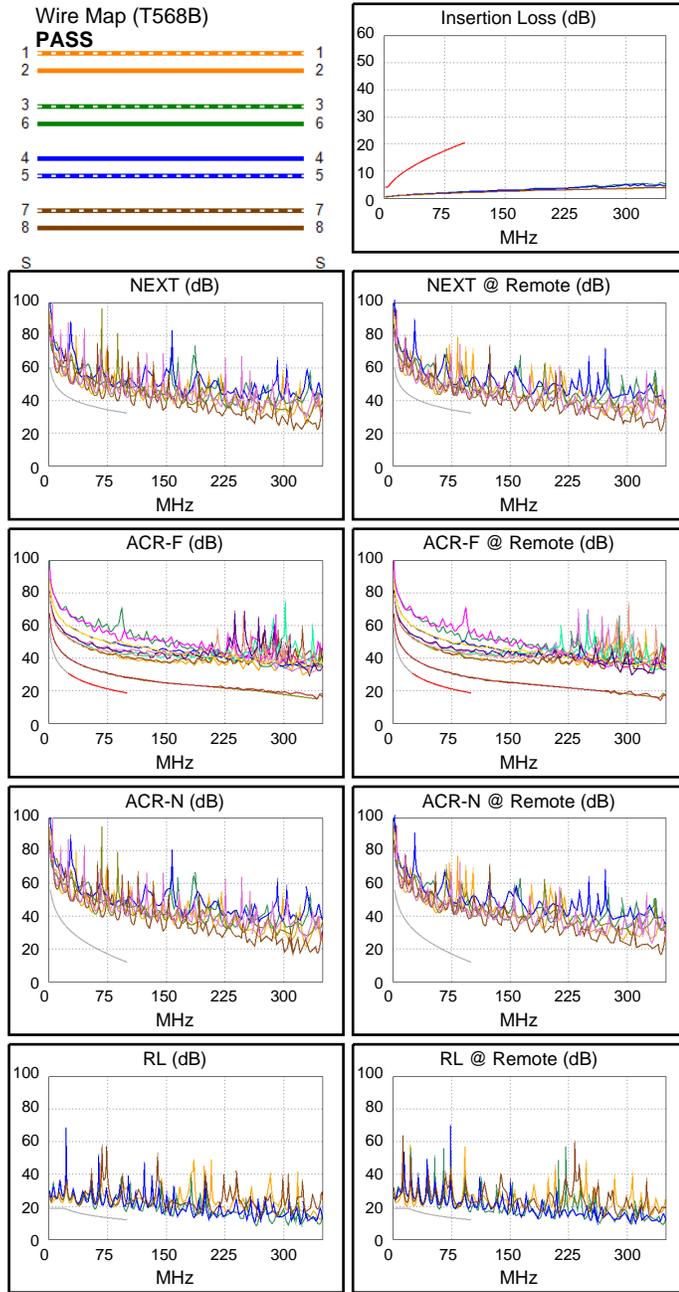
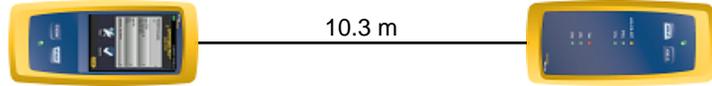
Calibration Date: 19/08/2020

Adapter: DSX-5000R (DSX-PLA004)

S/N: 20100490

Test Summary: PASS

Length (m), Limit 90.0	[Pair 1,2]	10.3
Prop. Delay (ns), Limit 498	[Pair 4,5]	52
Delay Skew (ns), Limit 44	[Pair 3,6]	2
Resistance (ohms), Limit 21.00	[Pair 3,6]	2.02
Resist. Unbal. (ohms), Limit 0.200	[Pair 3,6]	0.020
Resist. P2P Unbal. (ohms), Limit 0.200	[Pair 1,2-3,6]	0.051
Insertion Loss Margin (dB)	[Pair 3,6]	18.0
Frequency (MHz)	[Pair 3,6]	99.5
Limit (dB)	[Pair 3,6]	20.4



Worst Case Margin Worst Case Value

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	1,2-3,6	3,6-4,5	3,6-4,5
NEXT (dB)	6.1	7.1	6.5	8.2
Freq. (MHz)	68.0	55.0	88.3	98.3
Limit (dB)	35.1	36.6	33.2	32.4
Worst Pair	3,6	3,6	4,5	4,5
PS NEXT (dB)	7.4	7.5	8.0	8.5
Freq. (MHz)	57.8	58.0	88.5	99.3
Limit (dB)	33.2	33.2	30.2	29.4

PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-3,6	3,6-4,5	3,6-4,5	4,5-3,6
ACR-F (dB)	8.7	8.8	9.2	9.1
Freq. (MHz)	1.0	1.0	99.0	99.5
Limit (dB)	58.6	58.6	18.7	18.7
Worst Pair	3,6	3,6	3,6	3,6
PS ACR-F (dB)	11.3	11.4	12.0	11.8
Freq. (MHz)	1.0	1.8	99.5	99.5
Limit (dB)	55.6	50.8	15.7	15.7

N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
ACR-N (dB)	14.1	14.9	23.5	26.1
Freq. (MHz)	9.8	9.9	88.3	98.3
Limit (dB)	42.7	42.5	14.1	12.2
Worst Pair	4,5	4,5	4,5	4,5
PS ACR-N (dB)	14.7	15.1	25.0	26.4
Freq. (MHz)	9.8	9.8	88.5	98.5
Limit (dB)	39.7	39.7	11.1	9.2

N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2	1,2	3,6	3,6
RL (dB)	3.3	1.7	5.1	4.6
Freq. (MHz)	3.3	17.5	98.8	98.3
Limit (dB)	19.0	19.0	12.1	12.1

Compliant Network Standards:

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

Comms Room

Cable ID: PATCH LEAD A - COMMS RM - PRIOR CLEANING

Test Summary: FAIL

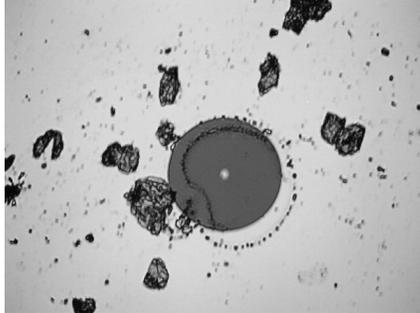
Date / Time: 25/09/2020 03:10:05 PM

Cable Type: Reference Test Lead

Endface Image End1

NOT GRADED

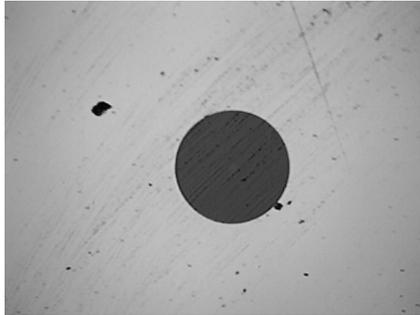
Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:10:05 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



Endface Image End2

NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:35:26 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000





Cable ID: PATCH LEAD A - COMMS RM - CLEANED

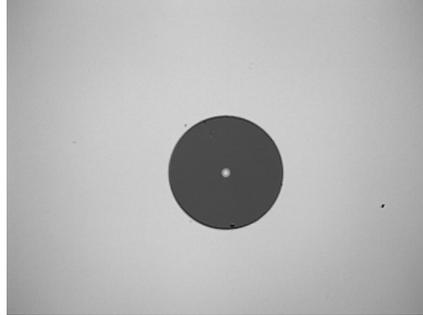
Test Summary: PASS

Date / Time: 25/09/2020 03:13:05 PM

Cable Type: OS2 Singlemode

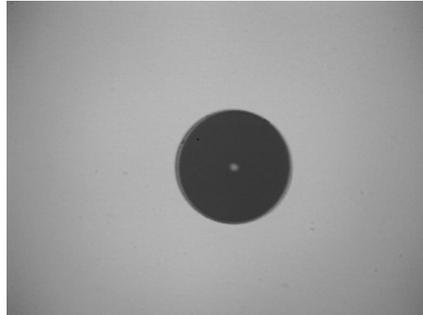
**Endface Image End1
NOT GRADED**

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:13:05 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



**Endface Image End2
NOT GRADED**

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:36:52 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000



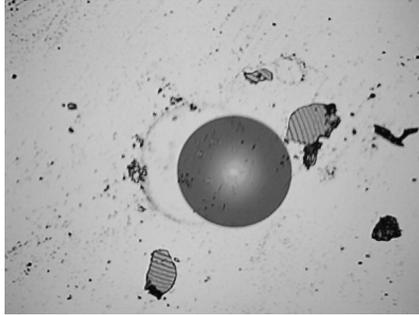
Cable ID: PATCH LEAD B - COMMS RM - PRIOR CLEANING

Test Summary: FAIL

Endface Image End1
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:14:28 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

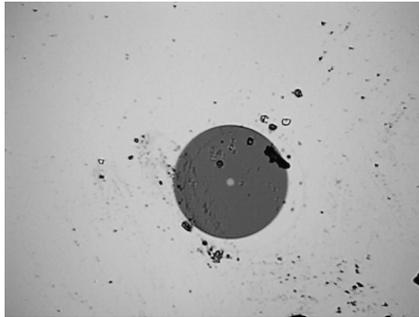
End1



Endface Image End2
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:35:00 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

End2





Cable ID: PATCH LEAD B - COMMS RM - CLEANED

Test Summary: PASS

Date / Time: 25/09/2020 03:32:20 PM

Cable Type: OS2 Singlemode

Endface Image End1

NOT GRADED

Test Limit: Document Only

Limits Version:

Date / Time: 25/09/2020 03:32:20 PM Operator:

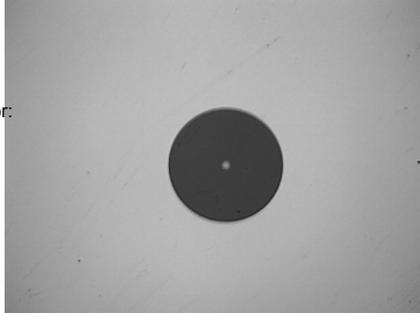
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



Endface Image End2

NOT GRADED

Test Limit: Document Only

Limits Version:

Date / Time: 25/09/2020 03:37:48 PM Operator:

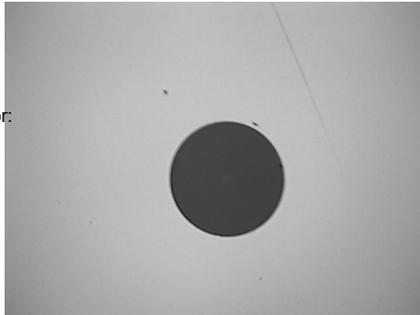
Cameran Murray

Versiv

S/N: 19463184

Software Version: V6.5 Build 5

Probe: FI-1000



Test Cable Condition Report

Cable ID: Z Ref. PHOTURIS TEST LEAD 1

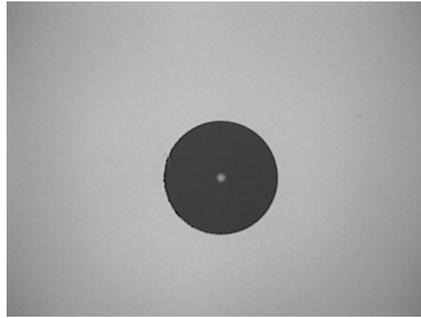
Test Summary: N/A

Date / Time: 25/09/2020 02:58:38 PM Cable Type: Reference Test Lead

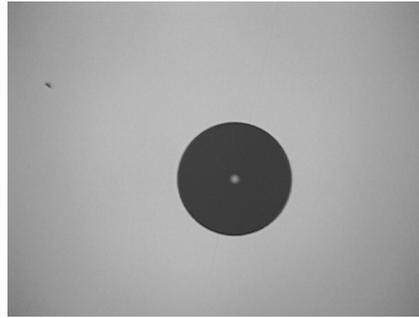
Endface Image End1
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 02:50:58 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

End1



End2



Endface Image End2
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 02:58:38 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

Cable ID: Z Ref. PHOTURIS TEST LEAD 2

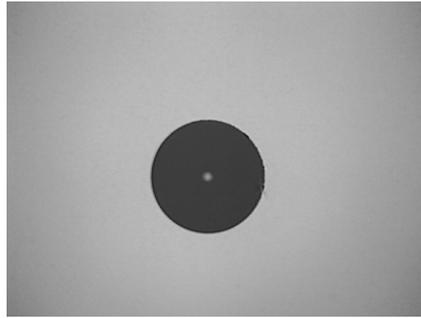
Test Summary: N/A

Date / Time: 25/09/2020 02:57:14 PM Cable Type: Reference Test Lead

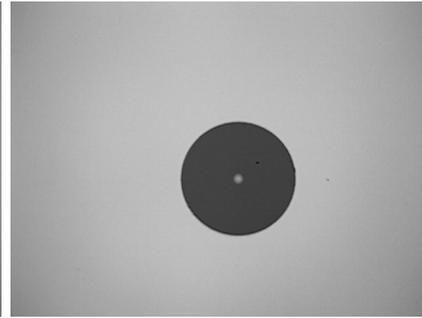
Endface Image End1
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 02:53:19 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

End1



End2



Endface Image End2
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 02:57:14 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

Cable ID: Z Ref. PHOTURIS TEST LEAD 3

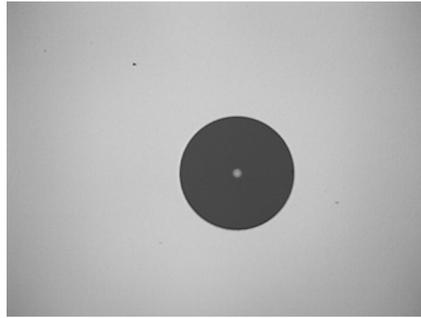
Test Summary: N/A

Date / Time: 25/09/2020 03:04:12 PM Cable Type: Reference Test Lead

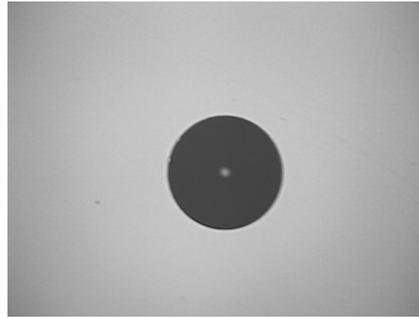
Endface Image End1
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:02:37 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

End1



End2



Endface Image End2
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:04:12 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

Cable ID: Z Ref. PHOTURIS TEST LEAD 4

Test Summary: N/A

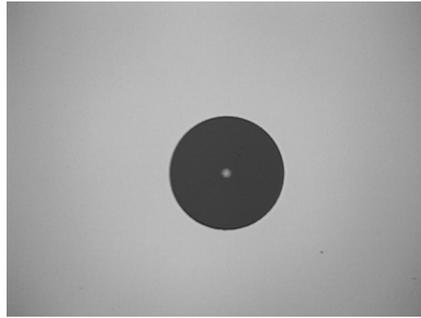
Date / Time: 25/09/2020 03:09:14 PM Cable Type: Reference Test Lead

Endface Image End1

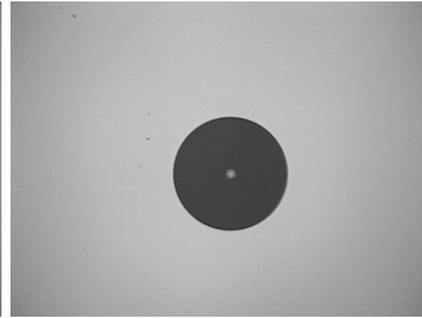
NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:06:35 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000

End1



End2



Endface Image End2

NOT GRADED

Test Limit: Document Only
Limits Version:
Date / Time: 25/09/2020 03:09:14 PM
Operator: Cameran Murray
Versiv
S/N: 19463184
Software Version: V6.5 Build 5
Probe: FI-1000