

Manitou Colorado - OTDR Report 850 nm

Comments

This is a new direct bury cable installed from seatainer to experimental tower in Manitou Colorado experimental forest. Terminated and verified 6-strand fiber with SC connectors both sides.

Job Info

Job ID	: Manitou Colorado	Reason	: New fiber installation
Contractor	:	Operator A	: Armando Cisneros
Customer	:	Operator B	: Fabian Guerrero
Test Date	: 10/14/2009 (1:43:02 PM)	File	: base.gr.trc

Cable Info

Fiber ID	: Fiber0001	Cable ID	: Cable 1
Location A	: Seatainer	Location B	: Tower
Cable Mfr.	: OCC DX006DALS9KAA2	Type	: MM 50um
Subset ID	:	Color ID	:

Link Measurements

Link Loss	: 1.318 dB	Avg. Splice Loss	: ---
Link Length	: 1.0196 kf	Max. Splice Loss	: ---
Average Loss	: 1.293 dB/kf	Total ORL	: 0.00 dB

OTDR Trace



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Events Table

No.	Loc. (kf)	Event Type	Loss (dB)	Refl. (dB)	Att. (dB/kf)	Cumul. (dB)
1	-0.3303	Launch Level	---	-39.0		---
	0.0000	Fiber Section (0.3303 kf)	0.375		1.136	---
		Reflective Fault	0.319	-20.4		0.319
2		Seatainer				
	0.3375	Fiber Section (0.3375 kf)	0.476		1.411	0.795
		Reflective Fault (Possible Echo)	0.014	-58.3		0.810
3		Fiber Section (0.6820 kf)	0.509		0.746	1.318
	1.0196	Reflective Fault	---	-12.2		1.318
		Tower				

Test and Cable Setup

Wavelength	: 850 nm (MM-50µm)	Acq. Time	: 15 s
Filename	: base.gr.trc	Pulse Width	: 10 ns
Hardware	: FTB-7200D-12CD-23B-EA-VFL	Helix Factor	: 0.00 %
Serial Number	: 357760	Splice Loss Threshold	: 0.010 dB
Software	: OTDR Advanced 6.11.20.160	Reflectance Threshold	: -72.0 dB
Range	: 1.6 kf	End-of-Fiber Threshold	: 20.000 dB
IOR	: 1.49000		
RBS	: -66.30		

Manitou Colorado - OTDR Report 1300 nm

Comments

This is a new direct bury cable installed from seatainer to experimental tower in Manitou Colorado experimental forest. Terminated and verified 6-strand fiber with SC connectors both sides.

Job Info

Job ID : Manitou Colorado
Contractor :
Customer :
Test Date : 10/14/2009 (1:43:18 PM)

Reason : New fiber installation
Operator A : Armando Cisneros
Operator B : Fabian Guerrero
File : base.gr.trc

Cable Info

Fiber ID : Fiber0001
Location A : Seatainer
Cable Mfr. : OCC DX006DALS9KAA2
Subset ID :

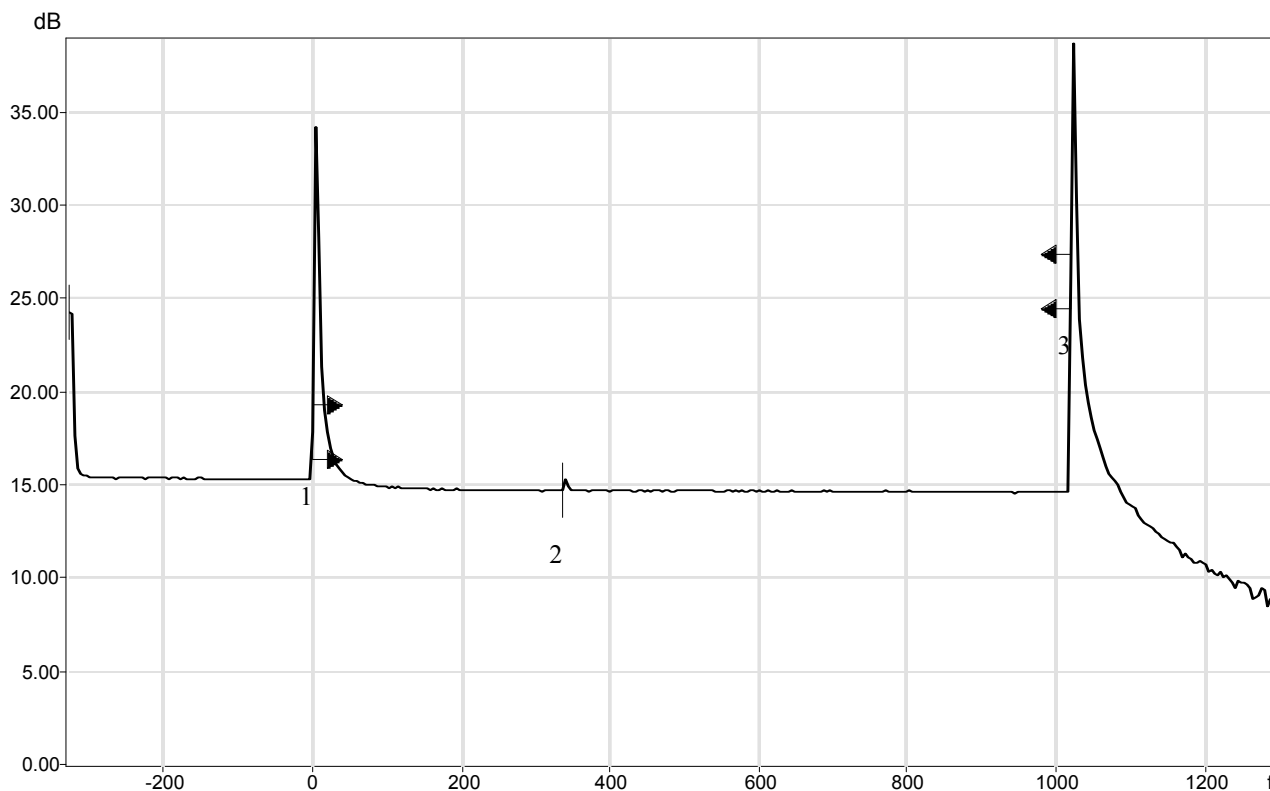
Cable ID : Cable 1
Location B : Tower
Type : MM 50um
Color ID :

Link Measurements

Link Loss : 0.854 dB
Link Length : 1.0187 kf
Average Loss : 0.838 dB/kf

Avg. Splice Loss : ---
Max. Splice Loss : ---
Total ORL : 0.00 dB

OTDR Trace



Manitou Colorado - OTDR Report 1300 nm

Events Table

No.	Loc. (kf)	Event Type	Loss (dB)	Refl. (dB)	Att. (dB/kf)	Cumul. (dB)
1	-0.3304	Launch Level	---	-40.1		---
	0.0000	Fiber Section (0.3304 kf)	0.105		0.316	---
		Reflective Fault	0.397	-23.8		0.397
2		Seatainer				
	0.3374	Fiber Section (0.3374 kf)	0.271		0.802	0.668
		Reflective Fault (Possible Echo)	0.083	-66.0		0.751
3		Fiber Section (0.6813 kf)	0.103		0.151	0.854
	1.0187	Reflective Fault	---	-12.6		0.854
		Tower				

Test and Cable Setup

Wavelength	: 1300 nm (MM-50µm)	Acq. Time	: 15 s
Filename	: base.gr.trc	Pulse Width	: 10 ns
Hardware	: FTB-7200D-12CD-23B-EA-VFL	Helix Factor	: 0.00 %
Serial Number	: 357760	Splice Loss Threshold	: 0.010 dB
Software	: OTDR Advanced 6.11.20.160	Reflectance Threshold	: -72.0 dB
Range	: 1.6 kf	End-of-Fiber Threshold	: 20.000 dB
IOR	: 1.48600		
RBS	: -73.70		