

# 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 (12:14:47 PM)	File	: tower.bl.trc

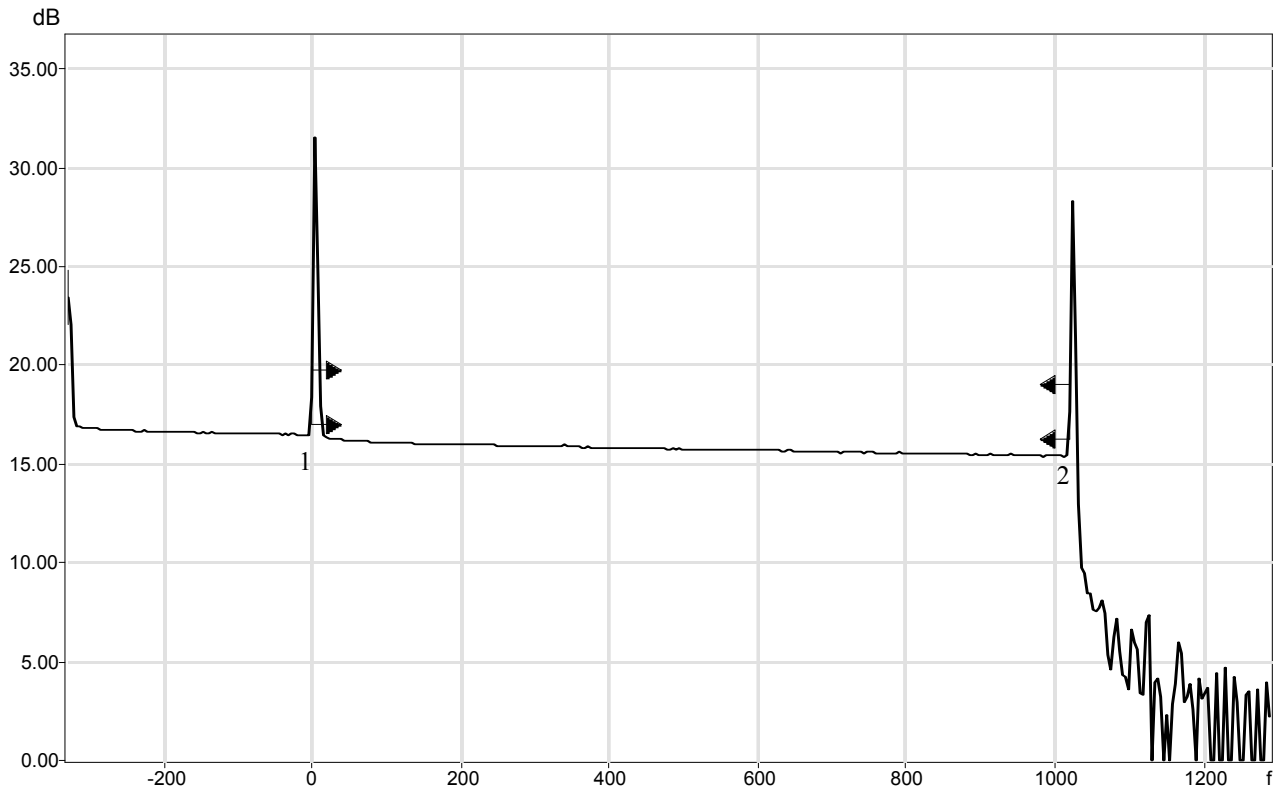
## Cable Info

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

## Link Measurements

Link Loss	: 1.052 dB	Avg. Splice Loss	: ---
Link Length	: 1.0196 kf	Max. Splice Loss	: ---
Average Loss	: 1.032 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	-0.3306	Launch Level	---	-39.2		---
	0.0000	Fiber Section (0.3306 kf)	0.362		1.096	---
		Reflective Fault	0.299	-24.3		0.299
2		End of launch - Tower Connector				
		Fiber Section (1.0196 kf)	0.753		0.738	1.052
	1.0196	Reflective Fault	---	-28.2		1.052
		Seatainer				

Test and Cable Setup

Wavelength	: 850 nm (MM-50µm)	Acq. Time	: 15 s
Filename	: tower.bl.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	Reason	: New fiber installation
Contractor	:	Operator A	: Armando Cisneros
Customer	:	Operator B	: Fabian Guerrero
Test Date	: 10/14/2009 (12:15:02 PM)	File	: tower.bl.trc

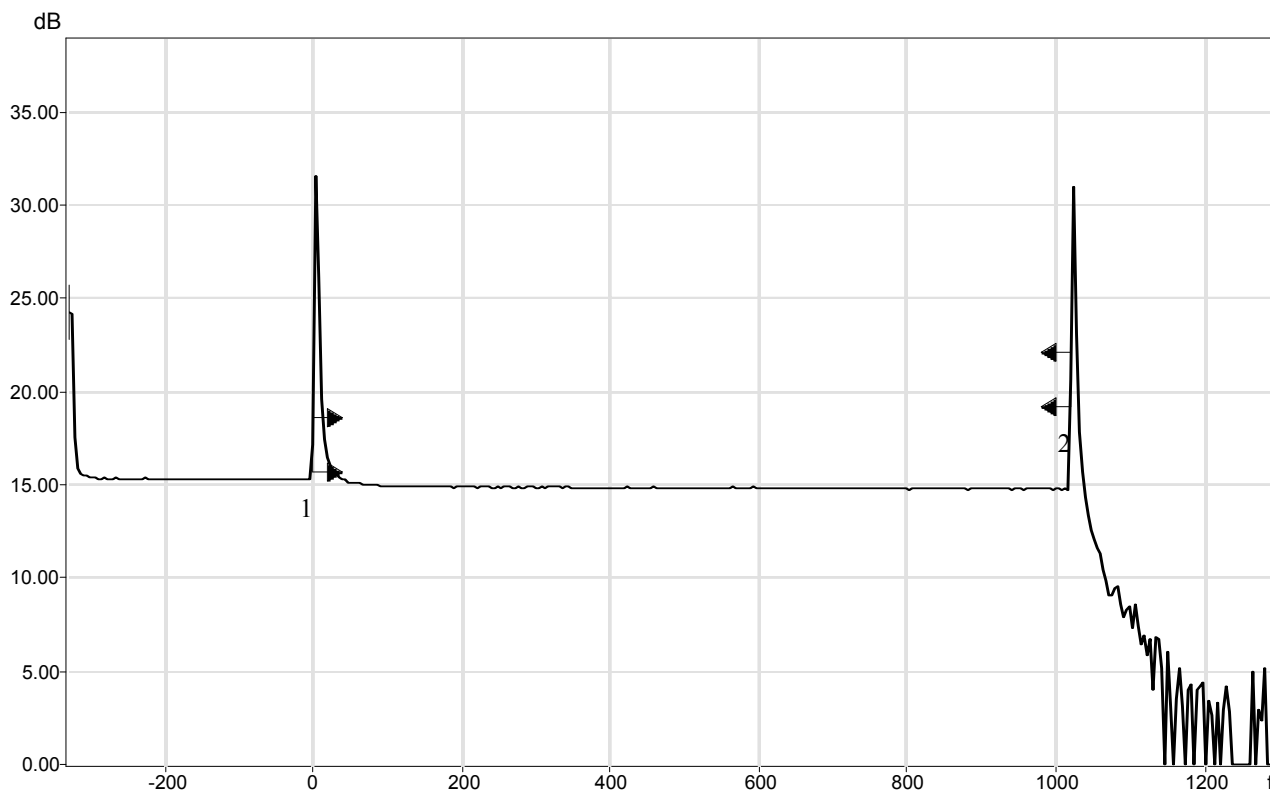
## Cable Info

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

## Link Measurements

Link Loss	: 0.513 dB	Avg. Splice Loss	: ---
Link Length	: 1.0190 kf	Max. Splice Loss	: ---
Average Loss	: 0.504 dB/kf	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	---	-40.0		---
	0.0000	Fiber Section (0.3304 kf)	0.088		0.266	---
		Reflective Fault	0.340	-28.6		0.340
2		End of launch - Tower Connector				
		Fiber Section (1.0190 kf)	0.173		0.170	0.513
	1.0190	Reflective Fault	---	-28.4		0.513
		Seatainer				

Test and Cable Setup

Wavelength	: 1300 nm (MM-50µm)	Acq. Time	: 15 s
Filename	: tower.bl.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		