

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 (12:13:30 PM)	File	: tower.or.trc

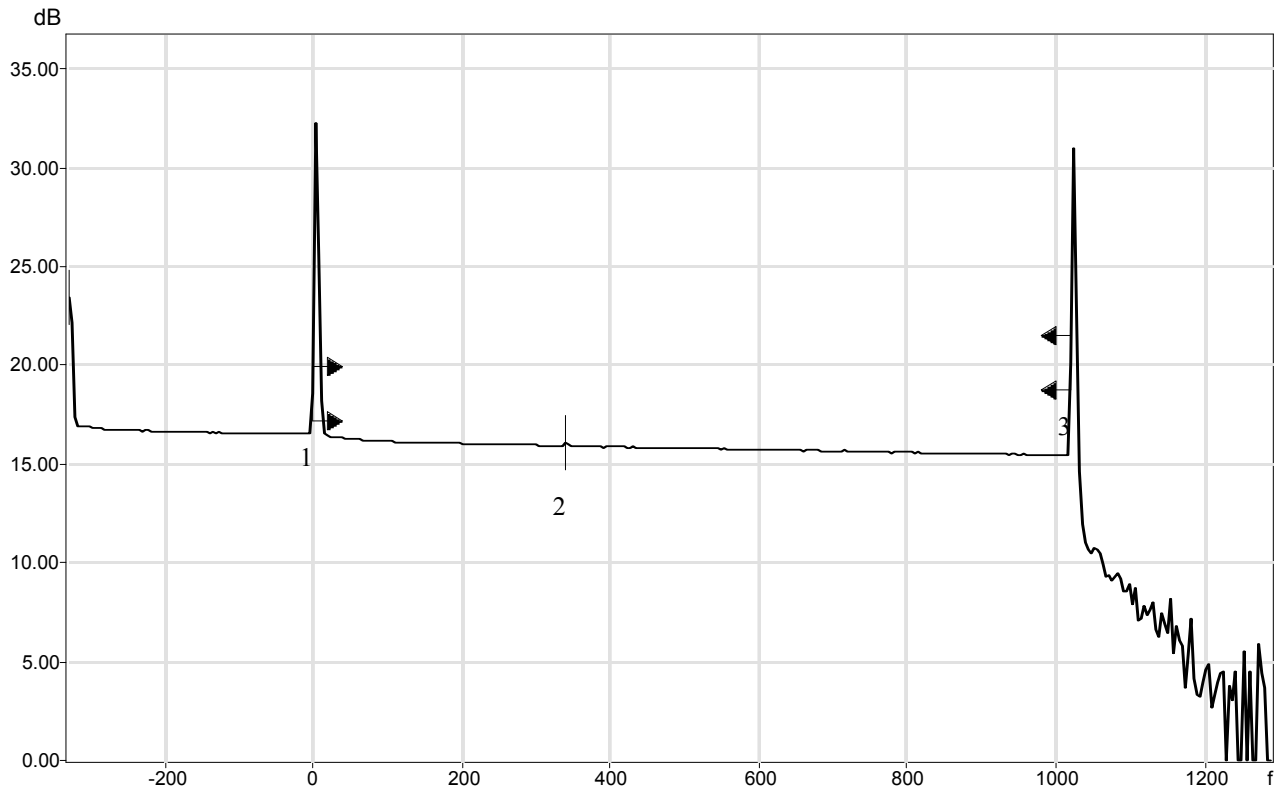
Cable Info

Fiber ID	: Fiber0002	Cable ID	: Cable 1
Location A	: Tower	Location B	: Seatainer
Cable Mfr.	: OCC DX006DALS9KAA2	Type	: MM 50um
Subset ID	:	Color ID	: Orange

Link Measurements

Link Loss	: 1.024 dB	Avg. Splice Loss	: ---
Link Length	: 1.0193 kf	Max. Splice Loss	: ---
Average Loss	: 1.005 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	---	-39.1		---
	0.0000	Fiber Section (0.3306 kf)	0.369		1.118	---
2		Reflective Fault	0.204	-23.0		0.204
		Tower				
3	0.3378	Fiber Section (0.3378 kf)	0.354		1.048	0.558
		Reflective Fault (Possible Echo)	-0.013	-63.3		0.545
3		Seatainer				
	1.0193	Fiber Section (0.6815 kf)	0.479		0.703	1.024
		Reflective Fault	---	-23.2		1.024

Test and Cable Setup

Wavelength	: 850 nm (MM-50µm)	Acq. Time	: 15 s
Filename	: tower.or.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 (12:13:49 PM)	File	: tower.or.trc

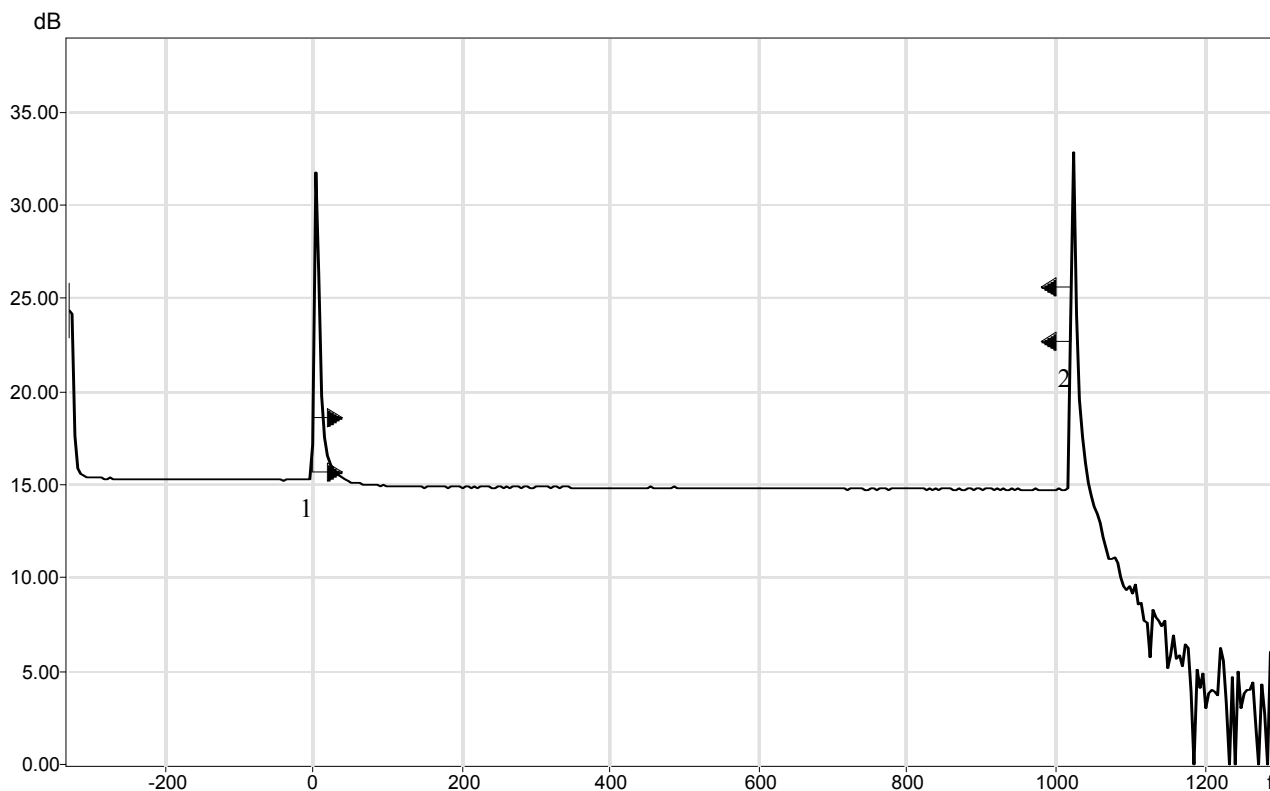
Cable Info

Fiber ID	: Fiber0002	Cable ID	: Cable 1
Location A	: Tower	Location B	: Seatainer
Cable Mfr.	: OCC DX006DALS9KAA2	Type	: MM 50um
Subset ID	:	Color ID	: Orange

Link Measurements

Link Loss	: 0.535 dB	Avg. Splice Loss	: ---
Link Length	: 1.0184 kf	Max. Splice Loss	: ---
Average Loss	: 0.525 dB/kf	Total ORL	: 0.00 dB

OTDR Trace



Manitou Colorado - OTDR Report 1300 nm

Events Table

Events Table						
No.	Loc. (kf)	Event Type	Loss (dB)	Refl. (dB)	Att. (dB/kf)	Cumul. (dB)
1	-0.3304	Launch Level	---	-40.0	0.297	---
	0.0000	Fiber Section (0.3304 kf)	0.098			---
2	1.0184	Reflective Fault	0.336	-28.2	0.195	0.336
		Tower				
		Fiber Section (1.0184 kf)	0.199			0.535
		Reflective Fault	---	-23.7		0.535
		Seatainer				

Test and Cable Setup

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