



FiberTrace 2 and FiberCable 2

Post-Processing PC Software for Fast and Efficient Viewing, Editing, Analyzing, and Reporting of Optical Fiber Test Data

Manage Your Optical Fiber Network More Effectively

Documenting every aspect of an optical fiber network is critical. Good records and reports will provide ongoing direction for future network maintenance and development such as rerouting or upgrades. A well-documented fiber/cable plant will be much easier to troubleshoot and will ensure that future upgrades go smoothly.

Document Your Work for Customer Acceptance

Acceptance testing and documentation will minimize future operational risks and assure customer satisfaction. In addition, acceptance documentation enables acknowledgement that the project has been completed as the client originally requested—protecting the supplier.

Create Accurate and Updated Documentation

FiberTrace 2 and FiberCable 2 post-processing PC software tools are designed for installers, network operators, and service providers willing to edit and analyze optical fiber test results offline as well as generate accurate and updated documentation.



T-BERD®/MTS Optical Test Platforms

FiberTrace 2 and FiberCable 2 are powerful post-processing software tools for Viavi Solutions T-BERD/MTS platform optical fiber test data. For decades, the T-BERD/MTS product line has built a solid and trusted worldwide reputation based on cutting-edge test technology.

Key Benefits

 Improve productivity by reducing data post-processing times from hours to minutes

- Batch-processing/macro functions automatically perform repetitive actions and save results to a series of files
- Enable in-depth, offline analysis of fieldacquired data
 - Manage multiple OTDR traces with automated, bidirectional alignment and analysis
- Generate professional reports
- Complete the test process twice as fast and more reliably than with any standard OTDR
- Certify the work with onboard pdf report generation

Key Applications

- View T-BERD/MTS platform test results including insertion loss (IL), return loss (ORL), chromatic and polarization-mode dispersion (CD/PMD), attenuation profile (AP), OTDR, optical spectrum analyzer (OSA), FiberComplete™, and I-PMD™ test data
- Edit and analyze multiple measurement files
- Generate acceptance test reports

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Two Versions, One Powerful Tool

Viavi optical data post-processing software is available in two versions.

- FiberTrace 2 lets users view, edit, analyze, and print in a professional format any optical test data acquired in the field with Viavi T-BERD/MTS platforms. It is ideal for small fiber jobs.
- FiberCable 2 adds the ability to generate high-fiber-count cable OTDR acceptance reports and fiber-characterization reports combining various test results in a single document. It is ideal for the analysis and characterization of large groups of fibers (for example, an entire cable or large jobs with multiple spans and large fiber counts).

Discover Viavi Post-Processing Software at No Cost

FiberTrace 2 Viewer is a free version of FiberTrace 2 which lets you view and print T-BERD/MTS platform IL, ORL, OTDR, CD, PMD, AP, and OSA test data.

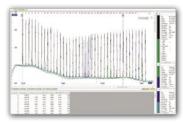
To download FiberTrace 2 Viewer, go to www.updatemyunit.net or ask your Viavi representative.

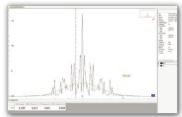
From Simple Visualization to Advanced Report Generation



User-friendly offline data visualization

Whether you want to review recent data collected from the field or compare it with previously stored data to check a fiber's behavior and potential degradations, FiberTrace 2 and FiberCable 2 let you display on a Windows PC or laptop any optical test data acquired with T-BERD/ MTS platforms regardless of the acquisition date.







OSA data view

PMD data view

OTDR data view

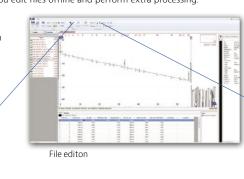


Measurement data collected in the field might need to be documented with additional comments or project-management information. FiberTrace 2 and FiberCable 2 let you edit files offline and perform extra processing.

For Any Results

- · Adjust measurement or calculation parameters
- Add/modify link and job information
- · Set pass/fail alarm thresholds



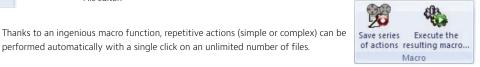


performed automatically with a single click on an unlimited number of files.

For OTDR Results

- Add/remove events
- Perform manual measurements





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Powerful data post-analysis

The analysis of a large amount of data acquired in the field can become quite complicated and time consuming. FiberTrace 2 and FiberCable 2 automate data management and analysis tasks, making it easy to perform new measurements, interpret results, and highlight important information such as events reaching thresholds.

In-Depth Bidirectional OTDR Analysis

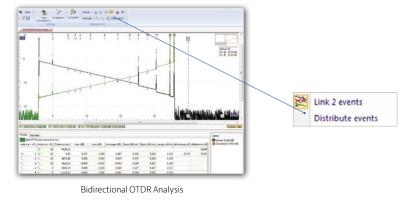
Bidirectional OTDR measurement is the only way to get accurate splice-loss values. However, measuring fiber from both ends can generate inconsistent OTDR data. FiberTrace 2 and FiberCable 2 enable in-depth and fast analysis of bidirectional OTDR data that helps generate homogeneous results.

Results Analysis

- Multitrace analysis
- Automatic or manual measurement
- Bend evaluation
- Pass/fail status

Bidirectional OTDR Analysis in Two Steps

- Link two events to align $A \rightarrow B$ and $B \rightarrow A$ traces
- Distribute all events available on A→B and B→A traces to adjust event locations in both directions



Fast Bidirectional OTDR Batch Analysis

Bidirectional OTDR measurement requires technicians to perform OTDR tests from both ends of a link at different wavelengths. With high-fiber-count cables, this means generating a huge number of files with multiple wavelengths and in multiple directions. FiberCable 2 automatically organizes, combines both-end results, and provides a bi-directional analysis status for each fiber in the entire fiber cable.

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					A+8	41.6	Arright	A-18	61.8	Average	4.+5	Arid 1	heage	A->8	41.4	Average
	101415	13	223.0	6.90	2394	2,368	2,385	8126	-0.02	6.36	-6.97	0.031	0.028	6.80	650	2450
	situate	84.	10.0	4,075	8,948	2,894	8,144	4,140	0,880	C 4.15	4,000	4141	1,045	4.88	2,046	8450
	4046	18	121.0	6.040	3340	2,444	2,294	108	4.00	4.10	4.06	8170	0,942	4.23	4.046	2426
	100.04	28	10.0	6,038	828	8,048	6,218	805	0,65	4,32	1,007	-880	0,043	4,80	un	8,415
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	ettuda	21	123.0	5.027	2424	3,225	2,367	101	0.04	6.30	1.129	8426	0,028	6.051	8.081	0.652
	course	38	164	1,00	2941	6.521	2.005		0.001	4.88	8,600	-8434	1,149	4.88	8.554	8415
	state	23	121.0	1.11.2	2487	2.912	2813	8472	430	1.6	1.03	billet	3,502	6.80	-0.004	2418
	COLUMN .	.38	368	6,000	6.565	8138	6.80	-4492	0.276	4.18	6.38	-81204	2,042	4.807	8.548	2479
	esuce	- 25	122.0	6.90	4270	1002	2494	8124	-126	4.10	5.08	1025	2,380	4.15	-6.528 (0 110
	100.010	- 20	- 10.0	6,000	108	2.007	6.03	8.147	4,16	4.16	-1,08	4412	1,004	4,00	-6.548	8457
	statute .	28	125.0	5,00	3494	3,008	2007	8/82	0.280	4.10	1.10	-8436	0,006	483	5349	0475
	Clinica	28	10.0	4,075	8.671	8,207	6.26	-8492	0.88	4.00	6,000	-8494	0,028	4.30	0.001	
	chris	29	122.0	5,00	5.273	2.869	2012	8475	-1.07	6.85	6,000	-6488	1010	6,251	-0.025	0.00
	COLUMN 1	- 61	18.0	4.079	6,280	1.714	8.3.04	8485	0.08	C 1.14	4.66	6454	6,014	4.88	6.047	8,050
	-	11	121.0	1.52	3454	2.962	2.018	-9490	0.014	4.10	1.07	-0420	1,128	4.00	6365	8404
	UNLARG	- 67	10.0	6.00	1.748	2.985	1.20	8185	4,275	4.82	4.00	5087	0,710	4.00	-0.228	2462
	chute	- 48	123	1.004	185	2,858	2343	8284	-139	4.85	4.25	8125	0.304	6.28	-6567	3454
	-	40	15.0	4,000	1.452	0.454	6.462	8.25	0,004	0 412	6.079	-6494	4,465	4.96	4,368 (
	diluti	39	12.0	0.098	3,364	5.468	5.347	1425	0,070	4.10	1.00	-8478	0.004	418	444	3417
	00.45	11	158	6,078	1.50	2,894	6,207	8275	4.89	4.83	4.06	ALC: U	1.007	1.24	404	2418
	0540	- 52	122.0	1.00	2.000	2.008	2.834	121	-425	4.82	-6.09	810	2010	6.82	0.04	3490
	101418		15.0	1,040	6,000	2,744	696	4315	4,942	0 10	4,000	8380	1,000	4,878	-6.018	8490
	48448	31	125.0	6.87	3480	276	3.257	103	4.07	6.86		ME	1,129	4.00	4345	2467
	00.01	78	368	5,000	1711	6.00	1.518	8,122	0,346		0,000	8847	0,078	6.82	5.998	0.000
	divide	28	133	6.00	3,287	2,812	2,008	1.000	636	4.10	1.187	91280	1.110	6.82	0.008	5410
	estata	10	128.0	4,018	258	2178	1.16	8546	4,00	4,62	-4,83	ALM.	0,005	418	-8.548	8442
	10040	38	122.0	6,000	2850	2.543	283	8185	0.037	4.17	4.07	143	0.755	427	6,278	3400
	diate	- 59	128	6,079	2.568	1.118	6428	1.04	4,30	4,85	4,38	8.188	8,012	4,238	8,018	2,004
-	0545		122.0	6.00	3,273	2.004	5,254	-104	6.50	4.10	1,20	920 4	5.840	428	-8.657	3455

Report preview

Bidirectional OTDR Batch Analysis

- Manages an unlimited number of fibers
- Template file generation
- Out-of-range values information report
- Data compilation

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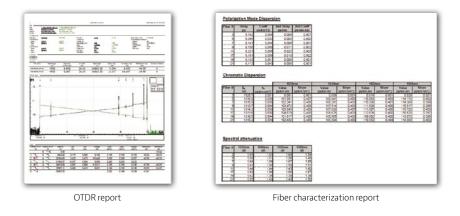


Comprehensive Report Generation

Fiber optic cable plant documentation allows better planning for future network upgrades and is essential during troubleshooting to help technicians find faults and fix them in a timely manner. FiberTrace 2 and FiberCable 2 easily generate compelling reports to record field data in a professional format. FiberCable 2 also adds the ability to generate high-fiber-count cable OTDR acceptance reports and fiber-characterization reports combining various test results in a single document (for example, OTDR, IL, ORL, PMD, and CD).

Advanced Reporting

- Configurable printouts
- HTML, Excel, or PDF file format
- Individual or combined reports
- High-fiber-count cable acceptance reports
- Fiber-characterization reports



Maximize the Value of Your Investment

With each new FiberTrace 2 and FiberCable 2 software license you acquire, you get free access to upgrades and technical support. To download upgrades to your licensed FiberTrace 2 and FiberCable 2 software, go to **www.updatemyunit.net** or ask your Viavi representative.

Ordering Information

Description	Part Number
FiberTrace 2 software	EOFS100
FiberTrace 2 software, 5-license package	EOFS1005L
FiberTrace 2 software, site license	EOFS100SL
FiberCable 2 software	EOFS200
FiberCable 2 software, 5-license package	EOFS2005L
FiberCable 2 software, site license	EOFS200SL

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