



**FIBER TOOLS**

# OFL100-CBL500

OFL100 OTDR WITH LC-500  
LAUNCH CABLE

TESTING | TROUBLESHOOTING | ACCURACY

The OFL100-CBL500 is a kit that combines the OFL100 OTDR with a LC-500, 500m launch cable. Using LC-500 launch cable with the OFL100 will ensure that the technician will be able to make the most accurate measurements by reducing the OTDR deadzone effects.

## LC-500

### ELIMINATE DEAD ZONES:

Long OTDR pulse widths are suppressed UNIVERSAL, COMPACT DESIGN:  
No need for multiple launch cables for varying network connectors  
Typically the technician will use a launch cable on the input and output connectors of the fiber under test. This allows the technician to characterize the insertion and return loss of the input and output connectors of fiber link. Supports SC, LC, FC, and ST connectors (APC + UPC as appropriate). It is recommended that a one meter patch cord is used at the OFL100 OTDR bulkhead. Please refer to the application note "Using a one meter Jumper at the bulkhead".

The OFL100 and LC-500 is stored in the supplied soft carry bag.



**TWO YEAR WARRANTY**

## ORDERING INFORMATION:

CAT. NO.	DESCRIPTION
OFL100-CBL500	OFL100-NA with 500m Launch Cable
OFL100-NA	OFL100 with North American Power Supply

## Product Features:

### FAST.

- Easy to use one button test function. Start measurements with the push of one button.
- Auto test automatically sets test parameters for optimum test results.

### ACCURATE.

- Graphical touchscreen interface is easy to read, even in high ambient light conditions.
- Measure lengths and fiber defects to quickly locate faults.

### RELIABLE.

- Link Viewer annotates the entire fiber link in an easy to interpret Pass/Fail format.
- Cable acceptance reports generate customized reports that include trace signature and fiber events.
- Long life battery so you can work longer without recharging - up to 12 hour shift capable.

## Includes:

- OFL100-NA
- LC-500 Launch Cable
- CC-2-3 Carry case for OFL100 and LC-500

## ACCESSORIES:

CAT. NO.	DESCRIPTION
OFL100-SCAPC	SC/APC Adapter
OFL100-FCAPC	FC/APC Adapter
SCAPC-LCAPC	0.5m SC/APC LC/APC Cable
OFLPS-NA	OFL100 North American Power Supply with USB Cable
LC-500	500m Launch Cable
CC-2-3	Carry case for OFL100 and LC-500
1.25 MM ADAPTER	1.25mm Adapter for connection to the OPM and VFL ports

## OFL100 Specifications:

OTDR	
Wavelength	1310/1550nm
Dynamic Range	26/24dB
Event Deadzone	2.5m
Attenuation Deadzone	8m
Measurement Ranges	500m, 1km, 2km, 4km, 8km, 16km, 32km, 64km and 100km
Pulse Widths	3ns, 5ns, 10ns, 20ns, 30ns, 50ns, 80ns, 160ns, 320ns, 500ns, 800ns, 1µs, 2µs, 3µs, 5µs, 8µs, 10µs and 20µs
Measurement Accuracy	± (1m+Sample interval+0.005%×Test Distance)
Linearity	≤0.05dB/dB
Loss Resolution	0.001dB
Loss Threshold	0.20dB
Distance Resolution	0.001m
Refractive Index	1.00000 to 2.00000
Reflection Accuracy	±3dB
File Format	SDR compliant to Telcordia GR196
Loss Analysis	Four Point & Five Point
Laser Safety	Class 1M
Bulkhead	SC/APC (Optional FC Available)
Trace Update Rate	3Hz
Optical Power Meter	
Wavelength Range	800nm to 1700nm
Calibrated Wavelengths	850nm, 980nm, 1300nm, 1310nm, 1490nm, 1550nm, 1625nm and 1650nm
Measurement Range	+26dBm to -50dBm
Measurement Resolution	0.01dB
Measurement Accuracy	±5%
Tone Frequencies/Sensing	CW, 270Hz, 330Hz, 1kHz and 2kHz
Bulkhead	2.5mm Universal
Visual Fault Locator	
Wavelength	650nm ±20nm
Output Power	<1mW
Mode of Operation	CW, 1Hz and 2Hz
Bulkhead	2.5mm Universal
Laser Safety	Class 2

Stabilized Laser Source	
Wavelength	1310/1550nm
Output Power	≥ -5dBm; variable
Power Stability	CW, ±0.5dB/15 minutes after continuous on of 15 minutes
Bulkhead	SC/APC (Optional FC Available)
Tone Frequencies	CW, 270Hz, 330Hz, 1kHz and 2kHz
Optical Loss Testing	
Wavelength	1310nm and 1550nm
Insertion Loss Testing	Integrated OPM and SLS
RJ45 Sequence Testing	
Cable Type	Straight and Interleaved (T568)
Mechanical	
Display	4.3" 800x400 TFT LCD Touchscreen
Power Supply	AC to DC 100-240VAC, 50/60Hz
Power Supply Format	North America or United Kingdom and European
Battery Lifetime	>12 Hours Continuous Test
Battery	3.7V, 4Ah Li ION
Weight	<1.1lbs (<0.5kg) Including Battery
Size	6.8"x 4.3"x 1.8" (173mm x 109mm x 45mm)
Data	
Internal Storage	8GB (>200,000 Curves)
Interface	USB Type C, 8GB SD Card
Environmental	
Operational Temperature	-10°C to +50°C

\*Specifications subject to change without notice

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