

# VIAVI

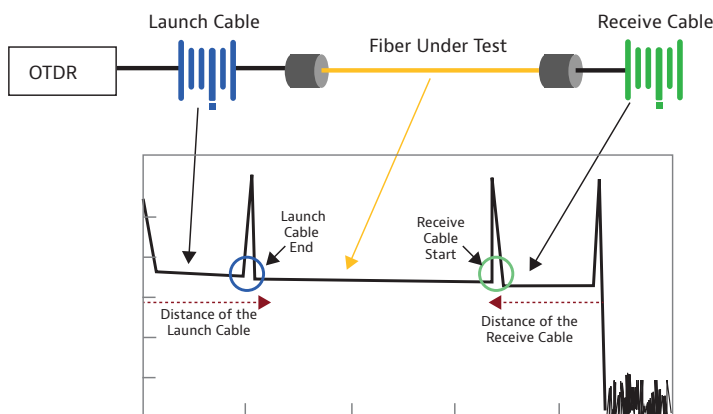
## Launch and Receive Cables

### Ideal Companion for OTDR Testing

Launch and receive cables, consist of a spool of fiber of a defined length and equipped with 2 test leads with a specified optical connector. They are connected to both ends of a fiber link to qualify the front end and far end connectors using an OTDR.

Based on ITU-T G650.3 recommendations and IEC references, when using an OTDR, launch and receive cables must be used to qualify the front-end and far-end connectors of a fiber/link under test. A launch cable is connected between a tester and the fiber under test, and the receive cable is connected at the far end of the fiber link. It is important to note that the fiber used in the launch and receive cable should match the fiber being tested (type, core size, modal field diameter (MFD), etc.)

The OTDR testing should be carried out using a launch cable that is long enough to allow measurement of the first connector in the link, a similar length receive cable should also be connected at the far end of the fiber under test to allow the loss of the connector at the far end to be measured.



### Features

- Available for Single mode and Multimode fiber optic cables
- Offered with a wide variety of optical connector types.
- Fiber length up to 2000 meters
- Light weight, easy to carry.


### Benefits


- Qualify the loss and reflectance of both end connectors of a fiber link.
- Shift front end dead zone of the OTDR, outside of the trace of the link under test.
- Ensure encircled flux compliance in multimode fiber link testing
- Control the OTDR injection level into the link under test.
- Protect the OTDR connector integrity

### Applications

- Commissioning, certification, and maintenance of fiber optic networks

## Technical Specifications

Launch Cable Specifications (Short Length)	
Type of Fiber	SM/MM
Dimensions	147 x 89 x 25 mm
Fiber Length	Up to 300 meters
Type of Connectors	FC, SC, LC, MPO
Polish Type	UPC/APC
Temperature range	
Installation and assembly	-5°C to +50°C
Operation	-20°C to +60°C
Transport and storage	-25°C to +70°C
Product Image	

Launch Cable Specifications (Medium Length)	
Type of fibers	SM
Dimensions	230 x 175 x 53 mm
Weight	0.6 kg
Return Loss	UPC < -50 dB APC < -60 dB
Fiber Length	Up to 1000 meters
Type of Connectors	SC/LC
Polish Type	UPC/APC
Product Image	

Launch Cable Specifications (Long Length)	
Type of fibers	SM
Dimensions	216 x 180 x 102 mm
Weight	1.1 kg
Temperature Range	-33 ÷ +90°C
Insertion Loss	< 0,5 dB (1 km 9/125@1550 nm)
Return Loss	UPC < -50 dB APC < -60 dB
Fiber Length	Up to 4000 meters
Type of Connectors	SC/LC
Polish Type	UPC/APC
Product Image	

Ordering Information	
Part Number	Description
ELCSMXX-YY-ZZ or ELCMMXX-YY-ZZ	<b>SM:</b> Single Mode Launch Cable <b>MM:</b> Multi Mode Launch Cable <b>XX:</b> Fiber Length in meter (20, 25, 100, 150, 300, 500, 1000, 2000) <b>YY:</b> Connector A type (SC, LC, MPO) <b>ZZ:</b> Connector B type (SC, LC, MPO)

Contact our sales representatives for information on available connectors configuration.