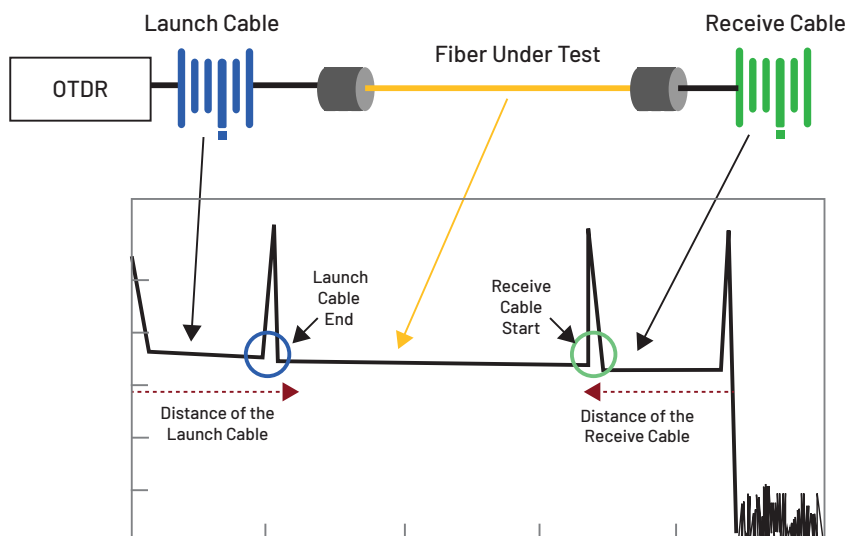# Launch and Receive Cables

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 in singlemode version
- Offered with a wide variety of optical connector types
- Fiber length up to 2200 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
- Control the OTDR injection level into the link under test
- Protect the OTDR connector integrity

Applications

- Commissioning, certification, and maintenance of fiber optic networks

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Technical Specifications

Launch Cable Specifications (Short Length)

Type of Fiber	SM
Dimensions	147 x 89 x 25 mm
Weight	Approx. 100 g
Fiber Length	Up to 150 meters
Type of Connectors	SC, LC, MPO
Polish Type	UPC/APC
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	500 or 1000 meters
Type of Connectors	SC/LC - Grade B connector available on demand
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
Return Loss	UPC < -50 dB
	APC < -60 dB
Fiber Length	2000 or 2200 meters
Type of Connectors	SC/LC - Grade B connector available on demand
Polish Type	UPC/APC
Product Image	

Ordering Information

Part Number	Description
ELC**SM**XX-YY-ZZ	XX: Fiber Length in meter* (20, 25, 100, 150, 500, 1000, 2000, 2200)
	YY: Connector A type (SCA, LC, MPO)
	ZZ: Connector B type (SC, SCA, LC, MPO)

* Launch cables with MPO connectors are only available in 20 m or 25 m versions.

Not all versions are currently available in our catalog.

Contact our sales representatives for availability information.

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launchreceivecables-ds-fop-nse-ae
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