FiberLight

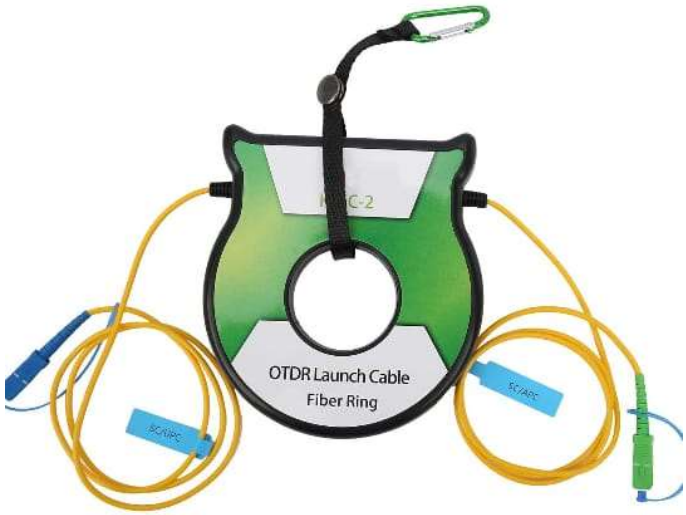
11-Jan-26

PN: FLOFOLCFC-01

Optical Fiber

TECHNICAL DATA SHEET

OTDR Launch Cable



OTDR Launch Cable

Product Description:

The OTDR Launch Cable is a single-mode optical fiber cable specifically designed for use with Optical Time Domain Reflectometers (OTDR) to accurately measure the complete link loss of a fiber optic system.

The cable eliminates the OTDR dead zone and enables precise testing of the first connector and overall fiber attenuation.

This launch cable is manufactured using G.657A or G.655 single-mode fiber (9/125 µm) and is supplied with an FC/PC connector at one end, while the opposite end is left free (unterminated) with accessible coated fiber length for flexible field testing applications.

Applications:

- Outside plant (OSP) fiber installation
- Long-distance telecom backbone testing
- Campus LAN fiber certification
- Fiber restoration after cable cuts
- FTTH network verification

Optical Specifications:

Parameter	Specification
Fiber Type	Single Mode G.657A or G.655
Core/Cladding Diameter	9/125 µm
Operating Wavelength	1310 nm / 1550 nm
Maximum Attenuation @1310 nm	≤ 0.35 dB/km
Maximum Attenuation @1550 nm	≤ 0.25 dB/km
Total Cable Length	≥ 500 meters
Connector Type (First End)	FC/PC
Connector Insertion Loss	≤ 0.3 dB
Return Loss (FC/PC)	≥ 50 dB
Launch Cable Form Factor	Box Type– Reel Type

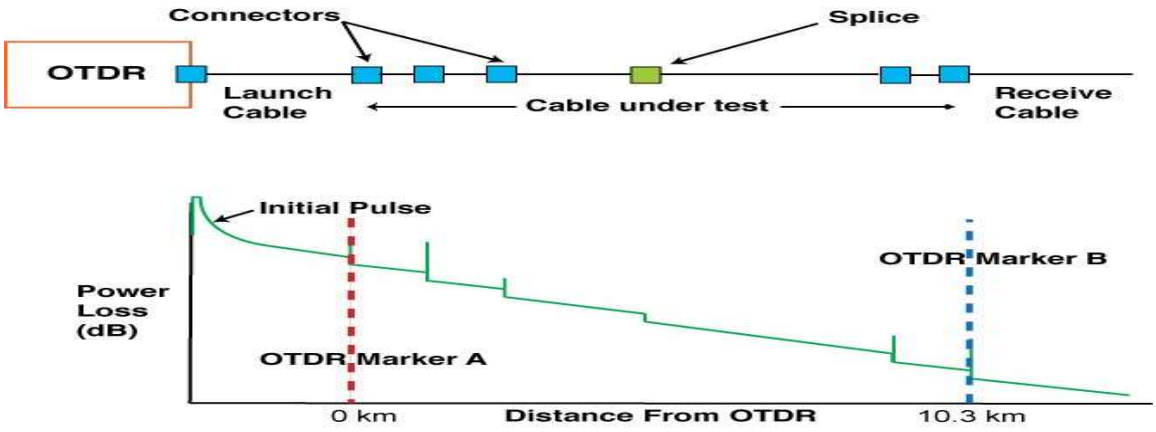
Benefits:

• 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



Mechanical Parameters:

Parameter	Specification
Cable Length	≥ 500 meters (Option)
First End	FC/PC terminated (Option)
Second End	Free end, coated fiber, ≥ 10 m accessible (Option)
Cable Jacket	Protective coated fiber
Bend Radius	Suitable for field testing
Weight	Light weight portable design
Handling	Easy deployment and storage

Environmental Specifications:

Parameter	Specification
Operating Temperature	–20°C to +60°C
Storage Temperature	–40°C to +70°C
Relative Humidity	≤ 95% (non-condensing)