FIBER OPTIC TOOLS

BOX OTDR optical fiber launch cable

Description

OTDR optical fiber launch cable is used to measure the loss and reflectivity of the proximal connection and the remote non-corrupt insertion of the optical fiber line using OTDR. Each OTDR launch cable can be used as an OTDR transmitting and receiving cable, both of which were necessary to eliminate blind spots when measuring the complete line loss of the optical fiber with OTDR. OTDR launch cable adopts coiled design, easy to carry, compact and light. Various length options, very suitable for short, medium, long distance fiber network test applications.

The BOX type launch reel can contain 1, 2 or 3 bare fiber reel with total length from 150 up to 4000m.

Most common fibers and lengths are always available on stock, see details below.

Broken ends, connectors and/or broken fiber inside the tubes can be quickly repaired by the factory.

Optional internal splice cassette is available on request.

Features & Applications	
Compact, rugged, lightweight	For use as OTDR launch cable
150m, 550m, 1000m, 2000m lengths standard	For use as OTDR receive cable
OM1, OM2, OM3, OM4, OM5, G652.D, G657A	1, 2, 3 different fiber storage inside, different colors
Available with a variety of connector styles Compact	Simplex SC - LC - FC - ST... /APC connectors
3 mm LSZH ruggedized Metal Armoured cable – length 2 m	LSZH jacket + Kevlar + stainless steel buffer
Crush (IEC 60794-1-2-E3) = 3500 N/100mm	Simplex connectors protected by dust cap with latch
35 mm of white heat-shrinkable tube on the cable close to the boot helps to identify the connector when plugged	
Dimension 1 fiber version: Case PELI 1120NF - 214 x 172 x H 98 mm	
Dimension 2/3 fiber version: Case PELI 1150NL - 232 x 192 x H 111 mm	
Ultra-High Impact Polypropylene Copolymer, Crush proof grade IK10, Cover O-Ring made in Neoprene	
Watertight and dust proof grade IP 67	
All metal parts are stainless steel or aluminum	Removable shoulder strap allows to work with both hands free
Operating and Storage Range Temperature [°C]	-40 / +85 C°

Power meter certificate always inside the case. OTDR certificate available on request

A warranty void label prevents any unauthorized opening of the 250 µm fibers area.

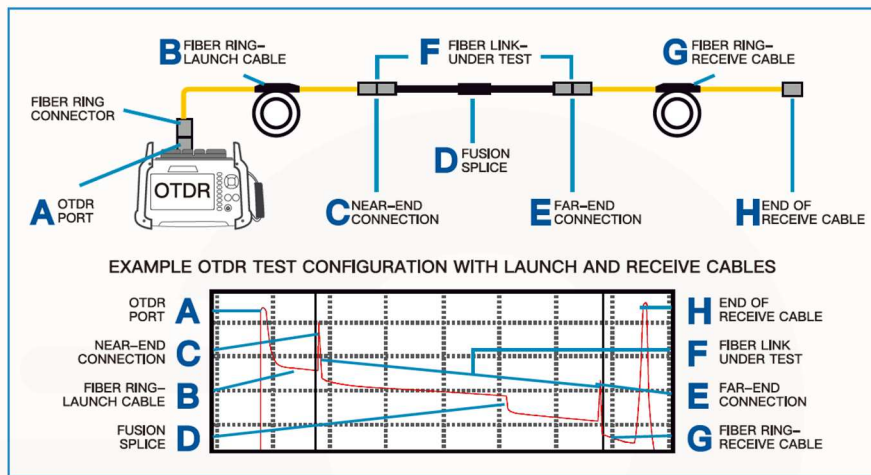PLEASE TAKE CARE, IF THE SEAL LABEL IS REMOVED THE WARRANTY OF THE LAUNCH REEL IS VOID

The materials of the BOX Launch Reel are RoHS and REACH compliant

Orca Networking - a brand by Sirius spa
Specification subject to change without prior notice - for more details please, visit the website www.orca.it

www.orca.it

Box 1 fiber version

EXAMPLE OTDR TEST CONFIGURATION WITH LAUNCH AND RECEIVE CABLES

Use the Fiber Ring as a launch cable; connect the Fiber Ring between your OTDR and the fiber link under test. This will allow you to measure the loss of the near-end connection.

Use the Fibre Ring as a receive cable; connect the Fiber Ring the far-end connector of your fibre link under test. This will allow you to measure the loss of the far-end connection.

Use a pair of Fibre Ring between your OTDR and the hypothetical far-end connector of your fibre link to identify and measure the correct length of the optical link.

Fiber leght and colors:	
MM - 62,5/125 OM1	150 and 500m - Orange
MM - 50/125 OM2	150 and 500m - Orange
MM - 50/125 OM3/4	150 and 500m - Aqua
MM - 50/125 OM5	150 and 500m - lime
SM - 9/125 OS2 (G652.D, G657.A)	550, 1000, 2000m - yellow
SM - 9/125 OS2 (G655)	550m - yellow

Ordering Information code:	
OC-FTL-	OTDR BOX fiber launch cable