

OTDR Launch Cable Box

DESCRIPTION

An OTDR requires a Launch lead to be able to launch and receive test cable loss measurements for fibre optic links. The Launch Lead is connected link under test, to reveal the insertion loss and reflectance of the near-end connection. The Launch Lead is supplied in a compact rugged PP alloy enclosure and can be purchased with a choice of connector types to suit most given applications. The box is IP67 rated and is available in fibre lengths from 500m to 2200m for singlemode or multimode. Other fibre lengths are available upon request.

FEATURES

- Compact and rugged construction
- Polypropylene plastic alloy case
- IP67 rated - water/dust proof
- Variety of connector options
- Range of fibre lengths
- Prevents fibre damage and ensures accurate results



SPECIFICATIONS

Each Launch Lead is tested to the following compliance standards:	IEC 61300-3-4, IEC 61300-3-6, IEC 61300-3-35, IEC 60793-1-20
The fibre supplied is compliant with the following specifications:	OM1 (62.5/125), OM2 (50/125), OM3 (50/125), OM4 (50/125) - ITU Standard G651 OS2 (9/125) - ITU Standard G652.D, G657.a
The connectors supplied with each unit are compliant with the following specifications:	IEC 61300-2-2 mating durability, based on a 500 matings cycle per connector.
Height (mm)	103
Width (mm)	216
Depth (mm)	180
Weight (kg)	1.1
Box Material	PP Alloy
Fibre Length (m)	500 to 2200 for SM or MM upon request
Operating Temperature (°C)	-40 to +55

FIBRE & CONNECTOR CHARACTERISTICS

Fibre Types	G.652D, G.657A1/A2, OM1, OM2, OM3, OM4
Fibre Length (m)	100 up to 3000 (Max.)
Typical Loss (dB)	<0.5dB @ 1310nm w/ 500 meters for SM fibre
	<0.7dB @ 1310nm w/ 1000 meters for SM fibre
	<1.0dB @ 1310nm w/ 2000 meters for SM fibre
	<1.3dB @ 1310nm w/ 3000 meters for SM fibre
	<1.9dB @ 850nm w/ 500 meters for MM fibre
Connector Type	SC/LC/FC/ST
Polish	PC, UPC, APC
Return Loss (dB)	UPC≥50dB, APC≥60dB, PC≥35dB
Repeatability (dB)	≤0.2dB (1000 times)
Exchangeability (dB)	≤0.2dB