

## LBX Series

### OTDR Launch Boxes

CPE/Premise Wiring

FTTx

MDU

Utility/Municipality

Wireless



LBXR5CSC305

The LBX OTDR Launch boxes are required when testing fiber optic cable using an OTDR. The launch box when connected to the OTDR will minimize the effects of launch pulse and aid with measurement uncertainty.

#### KEY PRODUCT BENEFITS

- ▶ Used in OTDR Pulse Suppression and Equipment calibration
- ▶ Rugged case is watertight, airtight, dustproof, and crushproof
- ▶ 100% visual, endface geometry and optical performance tested
- ▶ Certification test reports
- ▶ Premium connectors and fibers

#### INDUSTRY STANDARDS

- ▶ Meets GR-326 and GR-1221 requirements



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## SPECIFICATIONS

Optical Performance Property			
Fiber Code	K	C	R
Common Name	<b>MM62.5</b>	<b>MM50</b>	<b>Singlemode</b>
Specification	ISO OM1	ISO OM2	ITU-T G.652.D
Core/Cladding (um)	62.5/125	50/125	8.2/125
Numerical Aperture	0.275	0.20	0.14
Optical Performance at Frequencies (nm)	850 / 1300	850 / 1300	1310 / 1550
Maximum Attenuation (dB/km)	2.9 / 0.6	2.3 / 0.6	0.35 / 0.20
Index of Refraction	1.496 / 1.491	1.481 / 1.476	1.4676 / 1.4682
Rayleigh Backscatter at 1ns pulse width (dB)	-68 / -76	-68 / -76	-77 / -82
Connector Insertion Loss (dB)	0.35	0.35	0.25
Backreflection (dB)	<-25	<-25	-55UPC/-65APC
Radius of Curvature (mm)	10 - 30		
Apex Offset (um)	<50		
Fiber Height (nm)	-50 to 50		
Dimensions	9.12" x 7.56" x 4.37"		
Packaging	12" x 12" x 6"		
Shipping Weight	5 lbs.		

## MODEL NUMBER MATRIX

LBX	X	XX	XX	XXX
	Mode	End 1	End 2	Length
	R = Singlemode K = MM62.5 C = MM50	FC = FC SC = SC ST = ST	FC = FC FA = FC APC LC = LC LA = LC APC MU = MU SC = SC SA = SC APC ST = ST	100 = 100m 150 = 150m 305 = 305m (1,000 ft) 500 = 500m 1KM = 1,000m 2KM = 2,000m