

## FIBLU SPECIFICATIONS

### Loss/Length Specifications

Variant/Parameter	Multimode (FiBLU-MM)	Singlemode (FiBLU-SM)
Source Type	LED (encircled flux compliant)	Laser
Wavelengths (nm)	850 ± 20 , 1300 ± 20	1310 ± 20, 1550 ± 20
RMS Spectral Width Range (nm)	35	5
Output Power	850nm : 10uW to 20uW 1300nm: 10uW to 20uW	1310nm: 1.5mW to 2mW 1550nm: 0.5mW to 2mW
Length Measurement Range	2 km	20 km
Transmit and Receive Interface Connectors	Interchangeable FC, SC, and LC Adapters	
Certification Test modes	Loopback or dual ended, single-direction or bi-direction, simplex or duplex	
Test standards	ISO/IEC, TIA, IEEE, application specific loss-budget	
AutoTest Speed	Loopback Mode : 5 seconds Dual Ended Mode: 6 seconds	
Insertion Loss Accuracy	≤0.2dB	
Measurement Repeatability	≤0.05dB	
Length Measurement Accuracy	±(1m + 1 % of length)	
Power Measurement Range	850nm : 0 dBm to -30 dBm 1300nm: 0 dBm to -50 dBm	1310nm: 0 dBm to -50 dBm 1550nm: 0 dBm to -50 dBm
Dimension	177mm X 92mm X 42mm	
Weight	350 Grams	
Battery	Li-Ion, 3.7V / 2600 mAh	
Battery capacity	30 Hrs battery life typical	
Charging Time	2 Hours	
Power Adapter	5V/1A, USB-C type	
Android application	Android 11 or higher	
ios Application	IOS 13 or higher	
Connectivity	WPAN 2.4Ghz v4.2 or higher	

### Visual Fault Locator (VFL)

VFL Light Source	650nm Laser
Power Output	1mW
Output Modes	1.5Hz Pulsed mode
Connector Adapter	2.5 mm universal
Laser Safety	Class II

### Environmental Specifications

Operating Temperature	32° F to 113° F (0° C to 45° C)
Storage Temperature	-22° F to +140° F (-30° C to +60° C)
Operating relative humidity (% RH without condensation)	0% to 90%, 32° F to 95° F (0° C to 35° C) 0% to 70%, 95° F to 113° F (35° C to 45° C)
Safety	IEC 61010-1 3rd Edition
Operating altitude	13,123 ft (4,000 m)
EMC	EN 61326-1