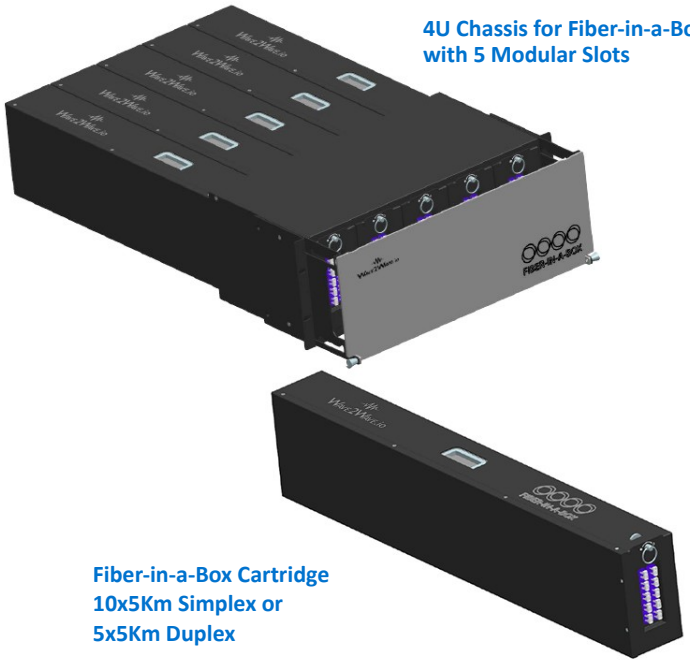
4U Fiber-in-a-Box™ with Modular Slots

Overview

The Wave2Wave 4U Fiber-in-a-Box is a modular fiber-distance simulation platform designed for telecom, data center, and engineering test environments that require accurate real-fiber performance validation. By using physical fiber paths, it replicates true network conditions for reliable benchmarking and long-reach signal testing.

The 4U chassis supports up to five modular cartridges, each offering 10×5 km Simplex or 5×5 km Duplex, providing up to 125 km Duplex or 250 km Simplex per system. With interface options including LC, SC, ST, FC, and MPO, it allows flexible mix-and-match configurations suited for a wide range of optical testing needs.



4U Chassis for Fiber-in-a-Box with 5 Modular Slots

Fiber-in-a-Box Cartridge 10x5Km Simplex or 5x5Km Duplex

Features & Benefits

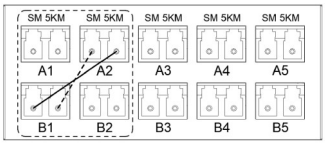
- Effective Modular 4U chassis supports up to five cartridges
- Up to 125 km Duplex or 250 km Simplex per system
- Multiple interface types: LC, SC, ST, FC, MPO
- Low-loss, compliant terminations ensure accurate testing
- Cartridge options in 10/15/20/25 km lengths

Applications

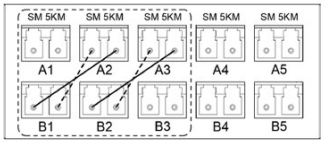
- Telecom and optical equipment testing
- Engineering validation and qualification
- Optical transport simulation
- Fiber Channel and SAN long-reach testing
- WAN and long-distance performance benchmarking

Fiber Configuration

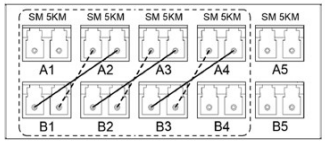
A. Configuration length=10KM duplex
Use 1 pc LC duplex patch cord to connect.



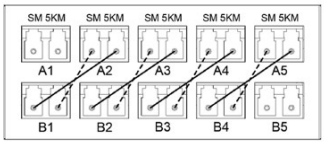
B. Configuration length=15KM duplex
Use 2 pcs LC duplex patch cord to connect.



C. Configuration length=20KM duplex
Use 3 pcs LC duplex patch cord to connect.



D. Configuration length=25KM duplex
Use 4 pcs LC duplex patch cord to connect.



Product Selection

Part Number: 68PAB-CDEF-G-XXKM

AB	C	DE	F	G (Port)	XX
31 (LC) 33 (SC) 34 (FC) 40 (ST) 50 (MPO)	3 (SMF) 4 (OM3) 8 (OM4)	01 02 08	0 (PC) 1 (UPC) 2 (APC)	25(Duplex)	Length (Kilometers)

Standards Compliance

- Telcorida GR-326-CORE, GR-1435
- TIA/EIA-568B
- RoHS