OSB-MB Series optical Splitter Boxes enables customers to accelerate their FTTx deployments more effectively and is an ideal solution when deploying FTTx networks for non-residential and residential applications.

OSB-MB Series optical Splitter wall mounted boxes provide a small footprint for splitting, splicing and terminating and are environmentally rated for outdoor and indoor use.

Each enclosure is equipped with fiber splice trays allowing input splicing option. OSB-MB Series optical Splitter Boxes accept standard plug and play (PNP) splitters .Splitters can be easily added after the wall mounting of the boxes. OSB-MB Series optical Splitter Boxes can accommodate Nx4 , Nx8 , N x 16 , N x 32 Splitters ( N : Input  1 or  2 )

**FIBER OPTIC ENCLOSURES**

### Description:

▶  Applicable for indoor or outdoor use.

▶  Rated IP 54 for Ingress Protection.

▶  Wall Mounted Facility with 4 Mounting Screws & Fishers.

▶  Splitter can be easily installed (Plug & Play).

▶  Swing Double Front Door enables full access during installation and maintenance.

▶  Excellent routing, storage, protection and management functions

▶  Optical splice capability

▶  Provided with Top & Bottom Cable Glands for Cable Entries.

▶  Manufactured from Galvanized Steel Sheets

▶  Powder Coated Gray Color RAL 7035 or any RAL shade as required.

▶ An angle of 30 degree between the adapter and the front end of the module protects direct exposure to eyes.

▶ Splitter output capacity is maximum 64 fibers ( 2 splitters with 1:32 or 2:32 Split ratio )

▶ Accommodates standard LC connector and adapters.

**Recommended Application:**

▶ Wall mounted Termination Outside Buildings

▶ FTTH Network Termination

## Optical Characteristics:

### Single-Mode OSF Pigtails & Adaptors

| Parameters | Specifications |
|---|---|
| Optical Wavelength | 1260 nm to 1650 nm (Typical: 0.20dB) |
| Insertion Loss | Maximum 0.30 dB |
| Return Loss | Min. 50 dB for PC type Adapters , Min. 60 dB for APC type Adapters |
| Operating Temperature | -  10 C to + 60 C |
| Pigtail Standard | SM (G.652-D, G.656 & G.657A) |
| Connector /Adapter Standard | Telcordia, EIA / TIA and IEC Compliance |

### PLC Splitters

| Specifications: | | 1 x 2 50/50 | 2 x 2 50/50 | 1 x 4 | 2 x 4 | 1 x 8 | 2 x 8 | 1 x 16 | 2 x 16 | 1 x 32 | 2 x 32 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Operating Wavelength | | 1260- 1620 nm | | | | | | | | | |
| Fiber  Type | | Single Mode ITU-T G657-A | | | | | | | | | |
| Insertion Loss ( dB ) | Typical | 3.6 | | 6.8 | | 10.2 | | 13.2 | | 16.2 | 17.2 |
| | Max | 3.8 | | 7.2 | 7.8 | 10.6 | 11.2 | 13.8 | 14.6 | 17.0 | 17.5 |
| Return Loss ( dB ) Min | | 55/50 | 55/50 | 55/50 | | 55/50 | | 55/50 | | 55/50 | |
| PDL  ( dB ) | Typical | 0.1 | 0.1 | 0.1 | | 0.1 | | 0.2 | | 0.2 | |
| | Max | 0.2 | 0.2 | 0.2 | | 0.2 | | 0.3 | | 0.3 | |
| Directivity ( dB ) | | 55 | 55 | 55 | | 55 | | 55 | | 55 | |
| Wavelength Dependant Loss  ( dB ) | Typical | 0.2 | 0.2 | 0.2 | | 0.2 | | 0.3 | | 0.3 | |
| | Max | 0.3 | 0.3 | 0.3 | | 0.3 | | 0.5 | | 0.5 | |
| Temperature Stability | Typical | 0.3 | 0.3 | 0.3 | | 0.3 | | 0.4 | | 0.4 | |
| ( -40 °C ~ + 85 °C ) | Max | 0.5 | 0.5 | 0.5 | | 0.5 | | 0.5 | | 0.5 | |

**Accessories:**

| Cable Holding Gland | Cable Holding Gland | Earthing wire | FRP Holder |
|---|---|---|---|
|  |  |  |  |
| Hexagonal L-Key Lock | Protection Tube | Splice Tray | Splice Sleeve |
|  |  |  |  |

**Product Categorization :**

| No. Of Connections | Dimensions | | | Connector Type |
|---|---|---|---|---|
| | Height | Depth | Width | |
| 2: 8 | 400 | 100 | 300 | LC (Dx) |
| 2: 16 | 400 | 100 | 300 | LC (Dx) |
| 2: 32 | 400 | 100 | 300 | LC (Dx) |

**Product Drawings:**