AFL HYPERSCALE

Fiber Optics Wall Box Guide

No matter what your network requirements are, AFL Hyperscale have a complete portfolio of wall box solutions available to meet your fiber connectivity needs.

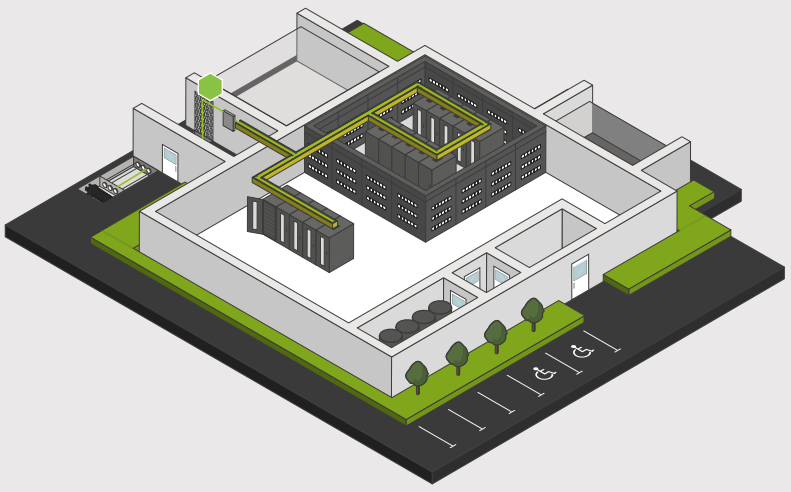
We understand that telecom providers need to build sustainable, scalable, cost-effective networks quickly and efficiently. AFL Hyperscale's wall box solutions help to address these challenges. Lets take a look below at the different types of wall boxes we offer to support your growing network.

Characteristics and their applications

Wall boxes are designed for specific applications depending on the deployment. The table below provide a general guide on choosing the right Wall Box for our application.

Key Characteristics	Applications
Indoor	Basements, Premises locations, Campuses, In-Building, FTTH Deployments, Wireless Back haul.
Outdoor	Basements, Premises locations, Campuses, In-Building, FTTH Deployments, Wireless Back haul, LANs, Base Station, Security, OSP, Wall/Pole Mount
Both Indoor/Outdoor	Indoor/Outdoor, FTTH/FTTB, Interconnect
Splice Capabilities	Basements, Premises locations, Campuses, In-Building, FTTH Deployments, Wireless Back haul.
Metal Box – Tamper Proof	Indoor, Telecommunication Network, Multi dwelling units or demarcation points in a network
IP rated Dust and Water Proof	Indoor/Outdoor, Data Center, Premise locations, Telecommunications Networks, Ethernet, Fiber Channel, ATM, LAN, MAN, WAN, Data Center.
Single/Double Door Lockable	Indoor/Outdoor, Security, Premise locations, Telecommunication Network, Multi dwelling units or demarcation points in a network
Various Adapter types	SC, LC, ST, E2000, LGX
FTTH Customer Outlet	Fiber to the home

Data Center Solution Application Example:



Fiber Optic Indoor / Outdoor FTTH Wall Box

AMW1 Wall Box

W19 Lockable Wall Box

W21 Lockable Double Door Wall Box

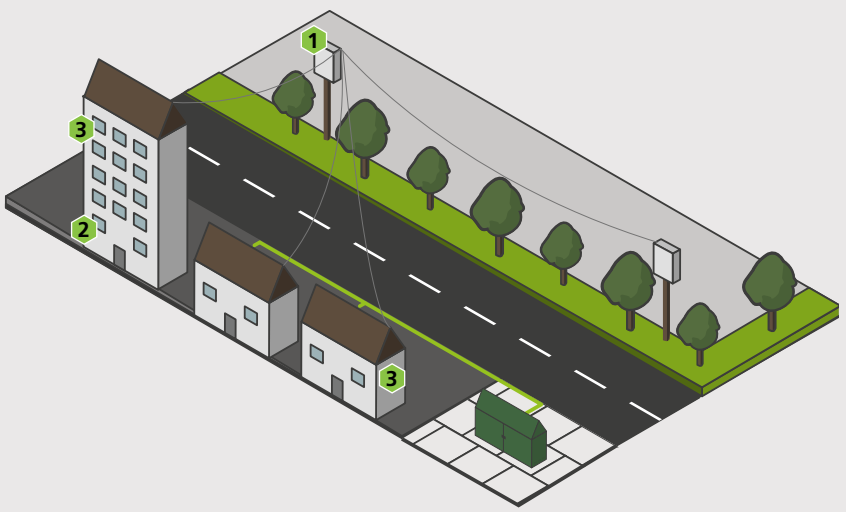
AFL HYPERSCALE

Fiber Optics Wall Box Guide

FTTH Application Example:

1 Fiber Optic W24/35 Outdoor FTTH Wall Box

- W24 Indoor/Outdoor Distribution Box
- W35 Indoor/Outdoor Lockable Wall Box



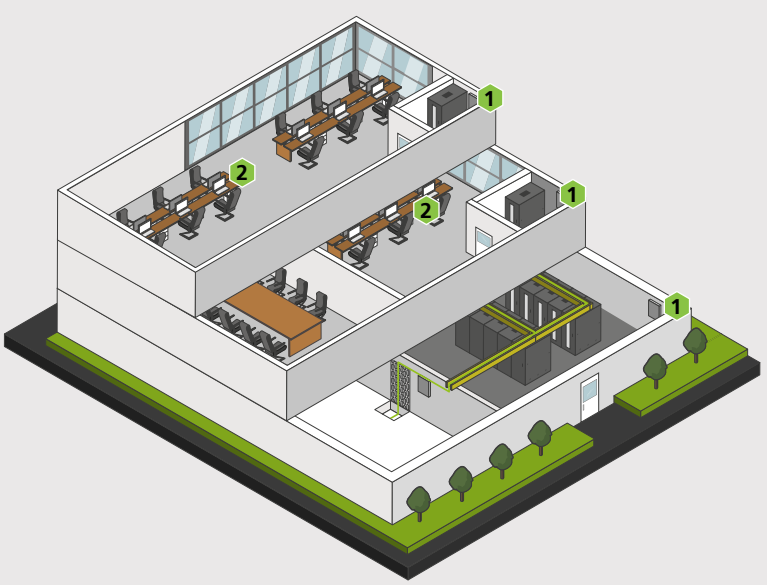
2 Fiber Optic Indoor/Outdoor Wall Box

- TW05 Tamper Proof Wall Box
- TW07 TW09 Tamper Proof Wall Box
- W35 Indoor/Outdoor Lockable Wall Box
- W17 Lockable Wall Box
- W20 Lockable Double Door Wall Box

3 FTTH Customer Outlet

- CSB07 FTTH Customer Outlet

LAN Premise Application Example:



1 Fiber Optic Indoor / Outdoor FTTH Wall Box

- AMW2 Wall Box
- TW08 TW10 Tamper Proof Wall Box
- W25 Indoor/Outdoor Distribution Box
- W31 Indoor/Outdoor Lockable Wall Box
- W37 IP65 Indoor/Outdoor Distribution Box

2 FTTH Customer Outlet

- CSB07 FTTH Customer Outlet

Fiber Optics Wall Box Guide

Benefits of using Wall Boxes at entrance room of a data center, premises installation and FTTH.

– They provide means of patching or splicing where large equipment racks and cabinets are not possible to install due to situations such as space limitation.
– They also provide a cost effective method of fiber optics management.

Common design features of Wall Boxes

– Wall Boxes are compact in size, designed to be visually discreet and low profile to distribute the fiber optics cables running between buildings. Comparing to the patch panels, they are much smaller in size as they dont need to mounted into a rack or frame.
– They can be made in metal or plastic materials.
– Usually they include fiber patch adaptors and fiber optic splicing capabilities.
– Flame retardant and various IP ratings dust and provide water proofing.
– Tamper proof wall box options
– Different designs and adapter types.
– Integrated bend radius protection in the box
– Offer excellent physical protection of fiber
– Good and clear internal cable routing paths
– Easy connection to adapters
– Easy cable access

Technical Specifications that are expected on these Wall Boxes.

– One door or two door lockable
– Metal or plastic material
– IP rating 55 to 65
– Flame retardant for plastic boxes
– Indoor or Outdoor or both applicable
– LC, SC, ST, E2000 and FC connector types
– LGX compatible
– Pre-term cables compatible
– Splice and Pass Through
– Industrial standard compliances such as TIA/EIA 568.C, ISO/IEC 11801, EN 50173, IEC 60304, IEC 61754, EN 297-1

Many AFL Hyperscale wall box solutions help our customers to deliver unmatched savings in cost, installation time and fiber network performance.