



OSILAN[®]

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Manufacturer of Fibre Optic Network Solutions

**FTTx
SOLUTIONS**
AIR BLOWN FIBRE



FTTx NETWORKS

FTTx networks, also known as fibre-to-the-x networks, are a type of telecommunications infrastructure that uses fibre optic cables to deliver high-speed internet, television, and telephone services to homes and businesses. The “x” in FTTx can refer to various endpoints, such as homes (FTTH), buildings (FTTB), or curbs (FTTC). These networks offer faster and more reliable connections compared to traditional copper-based networks, as fibre optic cables can transmit data at much higher speeds and over longer distances without degradation. FTTx networks are becoming increasingly popular as the demand for bandwidth-intensive applications and services continues to grow.

FTTx APPLICATION

FTTx applications refer to the use of fibre optic technology in various communication networks. These applications enable high-speed internet access, digital television, and telephone services. Osilan, FTTx networks offer faster and more reliable connections compared to traditional copper-based networks, making them ideal for delivering high-bandwidth services to end-users



Osilan FTTx connectivity & solutions enable faster internet speeds, businesses can increase productivity and efficiency, while individuals can enjoy seamless streaming and downloading of content. Osilan FTTx solutions also provide a more reliable connection, with less downtime and fewer interruptions.

Additionally, Osilan FTTx connectivity is becoming an essential part of modern life. With its many benefits, it is no wonder that this technology is rapidly gaining popularity around the world. Whether you are a business owner looking to increase productivity or an individual seeking faster internet speeds, FTTx connectivity is the way of the future.



DARK FIBRE USAGE.

In the context of FTTx, dark fibre can be utilized to provide high-speed internet connectivity. By leveraging the existing dark fibre infrastructure, service providers can offer faster and more reliable internet connections to end-users. This can be particularly beneficial in areas where traditional copper-based connections are limited or inadequate.

Furthermore, dark fibre can also be used for other purposes, such as creating private networks or connecting multiple locations within an organization. By utilizing dark fibre, businesses can establish secure and dedicated connections, ensuring fast and efficient data transfer between different sites.

Overall, dark fibre is a valuable resource in the FTTx use case. It enables the expansion of high-speed internet access and provides opportunities for businesses to enhance their network infrastructure.

PASSIVE OPTICAL NETWORKS

Osilan provides **Passive Optical Networks** (PON), which means that the network does not require any active components to transmit data. Instead, it uses passive splitters to distribute the signal to multiple users. Osilan FTTx PON is a cost-effective and efficient solution for providing reliable and fast broadband connectivity.



FTTH COMPONENTS

FTTx IS THE FUTURE

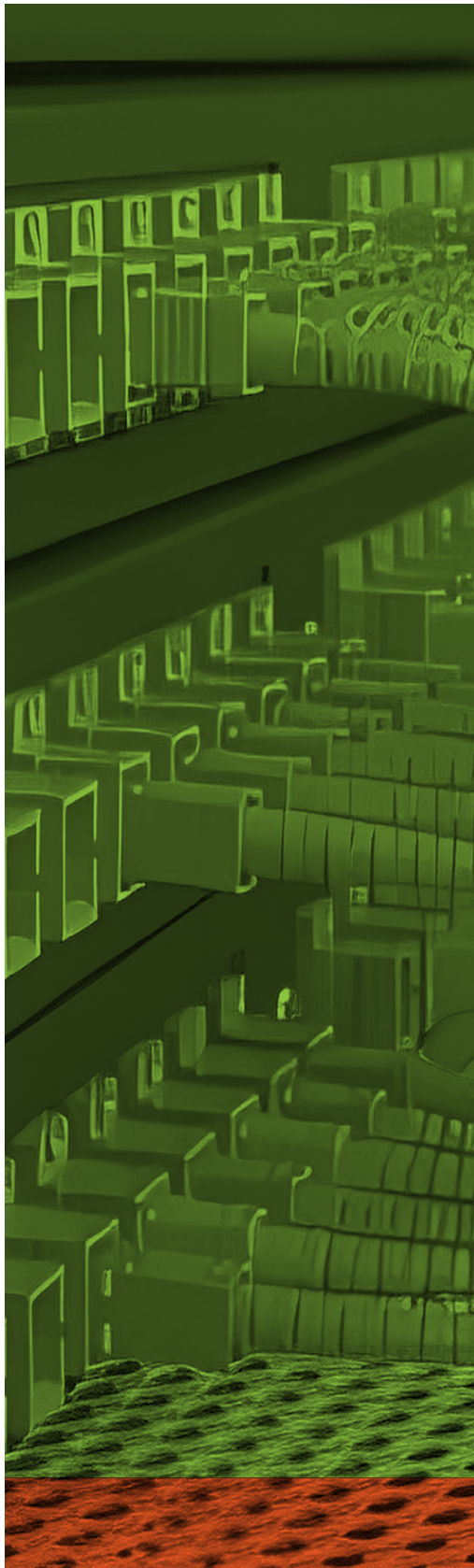
The potential of Osilan FTTx solutions is immense. With its ability to provide faster and more reliable connections, it is revolutionizing the way we communicate and access information. As more and more people demand high-speed internet, FTTx is becoming increasingly important in meeting these needs. It is expected to play a significant role in the development of smart cities, digital transformation, and the Internet of Things (IoT).

In conclusion, the future of Osilan's FTTx networks is bright. Its ability to deliver high-speed internet and support of various services make it a crucial technology for the digital age.

As the demand for faster and more reliable connections continues to grow, Osilan FTTx networks will play a vital role in shaping the future of communication and connectivity.



AIR BLOWN FIBRE (ABF)



Air blown fibre (ABF) is a method of installing fibre optic cable that uses compressed air to blow the cable through pre-installed microducts. Microducts are small, flexible tubes that are typically made of PE, HDPE, or PVC. They are typically installed in underground ducts, but can also be installed aerially or indoors.

- Microducts
- Blowing apparatus
- Optical fibre microcables
- Termination cabinets
- Connecting/terminating hardware

Osilan ABF systems are installed by installing the microducts in the desired location, blowing the optical fibre microcables through the microducts, and connecting the microcables to the network at each end.

AIR BLOWN FIBRE (ABF)



ABF systems offer a number of advantages over traditional fibre optic cable installation methods, including

- Installation costs can be reduced significantly by using ABF systems rather than traditional fibre optic cable systems.
- As the network needs change, ABF systems can easily be adapted to adapt to changes in the infrastructure by simply blowing additional microducts through them.
- ABF systems are installed with minimal disruption to existing infrastructure and services because the microducts are installed in advance and the fibre optic cables are blown through them at a later date .

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THANK YOU

WE LOOK FORWARD TO WORKING TOGETHER



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