

Enclosures for fibre optics

A need for street cabinets for FTTH (fibre to the home) resulted in a 2-day seminar with presentation of various prototypes for our customers operating in the Nordic countries.

Task

Solution providers for fibre optics have reached a point where fibres are to be installed in homes. Fibre to the home (FTTH) requires, among other things, a number of street cabinets fulfilling the basic requirements for optimal protection and easy installation.

Requirements ranged from small enclosures fitting compact distribution units with up to 12 connections and larger enclosures with 144 connections or more.

Some of our customers require solutions for both optical and copper networking in the same enclosure.

Fibre management has also been a key word for our customers. Several customers also have specific requirements to IP classes and flexibility for mounting different fibre systems in the same enclosure.



Process

A large number of prototypes have been developed in cooperation with solution providers during the last 12 months. Triax has, among others, cooperated with the following system providers: Tyco, Pirelli, Nexans, 6X International and Fibernet.

The tasks have been to create solutions for various customers in Denmark, Norway and Sweden. Today Triax is having vast experience in FTTH distribution installations with good knowledge of the needs of the installers.

Key words for the system providers and installers are supply of an economical solution, easy access for service and repair works and a high quality product with a long life time.

Solution

Triax provided design, development and manufacture of various prototypes which after a few adjustments resulted in competitive solutions for our customers.

Our fibre management systems comprise street cabinets with solutions for fixing of splice cassettes, fittings for looped cables, cable entries and clamps, etc.

Today our customers can benefit from the experience obtained through the process with developing enclosures for a number of fibre optic providers, operating in several countries in Northern Europe.

Triax is both capable of providing new outdoor design solutions for your fibre optical products and solutions provided for our existing enclosures.

Please look at the opposite side for a brief description of selected enclosures.

Task



Process



Solution

Examples of solutions for fibre optics mounted in street cabinets



Street cabinet mounted with Tyco splice cassettes and cable management systems.

Street cabinet with high IP class to be mounted on in-ground root.

Size: h 770 x w 720 x d 250 mm.

Nexans LINX splice cassettes mounted in traditional street cabinets type KSE utilised by Danish power distribution companies.

Connection from 12 fibres in the small cabinet and up to 144 fibres in the large cabinet.



Underground cabinet combined with street cabinet for easy access to splice cassettes, etc.

This type of cabinet is mainly used in Norway.

Street cabinet type 6-94, size h 850 x w 595 x d 198 mm.



The Danish company Fibernet is using Triax street cabinets for the tube system JETnet and Hellermann Tyton splice cassettes.

The system is used by Danish power distribution companies.

Enclosures type Kiosk 530 and KSFØ 301809.



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