

CASE STUDY

DATWYLER FDN-IR SPLICE CLOSURE USED IN DIETLIKON FTTH PROJECT

To ensure the provision of an efficient, high-performance infrastructure, Dietlikon Municipal Works Department decided to purchase virtually all its FTTH material from Datwyler. This included 28 splice closures throughout the FTTH network.

In 2010, Datwyler was appointed to implement the FTTH project in Dietlikon as general contractor/joint contractor. The plan is to have the entire municipality connected up to FTTH by the end of 2014. This means that all 3700 households will receive a fibre optic connection.

To ensure the provision of an efficient, high-performance infrastructure, Dietlikon Municipal Works Department decided to purchase virtually all its FTTH material from Datwyler. Almost all the components used are from Datwyler, from the cables in

the feeder and drop area through the newly built FTTH head station (Point of Presence, PoP) and all the external sites like transformer stations and distribution boxes to the in-house installation.

Particularly when splitting in external locations, where a great number of feeder and drop cables converge, it was of prime importance to find the best possible processing method from the outset. The use of 28 FDN-IR splice closures throughout the Dietlikon FTTH network was found to be the optimum solution.

The salient features

of the Datwyler FDN-IR dome closure are:

- Reusable mechanical Cablelock® sealing system with different cable entries (single, loop)
- Applicable to all standard cable types with loose tubes, central cores and mini loose tubes
- Good reserve system for storing uncut loose tubes and uncut fibres
- Rapid handling thanks to a 2x12 clip-rail in the individual cassettes
- Colour-coded cassette management for easy-to-see layout

This dome closure ensures that the splicing technicians can carry out top quality work in the fastest possible time, from cable entry and loose-tube placement to the splicing of individual fibres.

The closure is available in different versions, for example in several sizes for processing between 72 fibres (6 cassettes) and 432 fibres (36 cassettes).

All FDN-IR models are also suitable for a wide range of applications: they can equally well be used in cable shafts and installed underground, or can be wall-mounted (for example at a PoP site) or fixed to outdoor masts.

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