

Fast and low-cost deployment of optical fiber in existing housing areas

As a power utility or local authority you would like to cost-effectively move into the telecom business, providing fully-fledged triple-play services (at 100 Mbit/s) to customers which will differentiate you from incumbent operators. Where possible, you want to use existing poles, with fast installation, and connectorised customer drops. You want a system that can be serviced and modified by all of your certified personnel. Faced with the existing maze of overhead lines, you wish the system to be as aesthetic as possible, with small closures, small coiling frames and only one new cable visible.



To achieve this, Nexans provides a fully integrated aerial FTTH system, from the node containing the final network equipment to the customer premises. Our circular, non-metallic, self-supporting main cables (containing 144 or more optical fibers) carries its own weight in free spans which can withstand stress, high winds, and harsh conditions. An ADSS-type suspension makes pole mounting fast and easy. Nexans own compact weather, UV-resistant, and watertight closures (WTCs) which come in three sizes are used as intermediate pole mounted splicing and connection points. The main cable is then stepped down to 24 fibers for multi drops, and eventually 2 fibers per home delivered by a pre-terminated subscriber cable which simply plugs into the pole-mounted joint closure.

This Nexans aerial FTTH solution gives you:

- **Full coverage:** you can deploy a fiber backbone to cover 100% of potential customers in advance
- **Cost-efficiency:** using existing overhead infrastructure represents 20 to 30% of the cost of buried cables
- **Installation ease:** no special skill is required to connect new customers with new drops possible all year round
- **Fast initial deployment:** a backbone for 300 detached houses can be installed within a few weeks
- **Fast customer connection:** a new customer can be connected in less than 1 hour
- **Complete system:** all necessary components are developed and available to build an end-to-end system
- **Unbeatable service offer:** customers immediately receive triple play and more
- **Aesthetics:** discrete cabling solutions with small and few components and cables

For further information: www.nexans.com/e-service

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