

# **Fiber Optic Cable Project for Smart Buildings in Italy**





## Overview

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An initial tranche of €500 million has been signed to support the strengthening of the national FTTH grid. 8 million homes and businesses with speeds of up to 10 Gbps according to an open-access wholesale model. the large urban areas in which there are 282 Italian municipalities, but also the C&D Clusters, the so-called White Areas with low population density. , an independent operator offering high-performance connectivity services for businesses in Italy's Industrial and Artisan Areas (AIAs), has signed a €50 million financing agreement with the European Investment Bank (EIB). FiberCop runs Italy's most advanced, extensive and pervasive digital network infrastructure. With nearly 28 million kilometres of fibre optic cable already laid - a distance equal to more than 700 times the Earth's circumference - and ultra-broadband coverage reaching over 96% of active lines, the.



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### KKR-backed FiberCop ready to replace rival in Italy's

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FiberCop and its smaller rival Open Fiber were entrusted with cabling more than 3 million buildings across Italy by the end of June 2026 under a 3.4

### Fibre optic cabling process

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The FTTH network, with fibre optic cables running directly to the home, delivers outstanding performance and complements 5G in Italy, supporting the country's complete digital development for



## Power-line communication

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While utility companies use microwave and now, increasingly, fiber-optic cables for their primary system communication needs, the power-line carrier apparatus may still be useful as a backup channel or for

## Coverage plan

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Open Fiber aims to build ultra-broadband (UBB) network infrastructure to help reduce the digital divide in Italy and to promote widespread access, from North to South, to fast and efficient connectivity

## FibreConnect receives EUR50 million for Italian fiber-optic

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FibreConnect, an independent, wholesale-only, operator that offers high-performance connectivity services for businesses in Italy's Industrial and Artisanal Areas, has signed a EUR50 million



## **Nexans leads the way towards sustainable electrification**

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We are a global leader in electrification, driving the energy transition with innovative solutions that power a safer, sustainable, and connected future.

## **ULTRA-FAST FIBER, AGREEMENT BETWEEN OPEN FIBER AND**

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Open Fiber was created with the aim of guaranteeing coverage of the main Italian cities and the connection of rural areas and industrial areas through an ultra-broadband fiber network.



## **VIAMI Solutions , Network Test, Monitoring, and Assurance**

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Our test, monitoring, assurance, and resilient position, navigation and timing solutions enable and secure critical infrastructure ranging from data center

## **FibreConnect receives EUR50 million from the EIB for the development of**

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From the beginning of 2023 to date, FibreConnect had made optic fiber available to more than 40,000 businesses located in 85 different Industrial and Artisanal Areas (AIA) across Italy.

## **Network Infrastructure and Industrial Electrical Wiring**

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Warehouses are automated, buildings are smart, data centers are increasingly complex,



and just about everything can be controlled by the devices in our hands.

## **ROMA AND FIUMICINO AT THE FOREFRONT OF THE DIGITAL**

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- declared the Mayor of Fiumicino, Mario Baccini - We are proud to be at the heart of this Italy is preparing to enter a global landscape dominated by major players. An ambitious project from a

## **We are Nokia , Nokia**

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We invent a new type of optical fiber, Non-Zero Dispersion Fiber (NZDF), that becomes widely deployed in intercontinental and long-haul terrestrial networks.



## From EIB EUR50 million for technology infrastructure development

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The new line of credit is aimed at supporting the development of a fiber-to-the-home (FTTH) network in Italy connecting industrial and artisan areas to enable businesses to have access

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## Fiber Optic Lighting: A Comprehensive Exploration and

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The integration of fiber optic lighting with smart building technologies and RGB light



sources further expands its potential, paving the way for innovative

## **FibreConnect receives EUR50 million from the EIB for the development of**

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## **Italy: EIB and FiberCop: EUR1 billion agreement to accelerate ultrafast**

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FiberCop manages the most advanced, extensive and widespread digital grid infrastructure in Italy, with 28 million kilometres of fibre optic cables already laid, 10 500 exchanges, more than 160



## **Advancements in Smart Buildings: From Cable for PoE**

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Advancements in Smart Buildings: From Cable for PoE to Cutting-Edge Fiber Optics  
Smart buildings have redefined modern infrastructure, integrating technology to

## **Elevating Italy's Digital Backbone: Elma-tec GmbH and Italian**

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By embracing the potential of Riser Fiber Optic Cables, the initiative seeks to empower communities across Italy with resilient, high-speed connectivity, bridging gaps and unlocking

### **Contact Us**

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For datasheets, pricing, or custom optical networking solutions, please visit:  
<https://entrenamientointeligente.es>