



Cesit Ingegneria S.P.A.  
[www.cesit.net](http://www.cesit.net)

Telecommunications

# Fibre Optic

# The need for high-speed networking is growing, as users expect information to travel fast or in real time, even over long distances: the only transmission medium capable of guaranteeing the necessary speed and reliability is fibre optic.

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**Having built up a substantial stock of know-how in the field, Cesit Ingegneria S.P.A. can design, realise and certify fibre-optic data transmission networks in accordance with current standards.**

Our vast experience enables us to propose the most appropriate solution for every application: indoor and outdoor cable, loose-tube and tight-buffered cable, optical splices for cabinets and patch-panels in data rooms, trunk cables and other solutions best suited to the project. Any solution we adopt will allow expansion and ease of management.

We offer the possibility of creating fibre optic wiring both in buildings of any size and in extensive urban and rural areas,

such as the data transmission infrastructures serving large photovoltaic and wind farms. Unless required otherwise, the cables are terminated exclusively by means of fusion splicing with certified pigtailed.

Each link is also certified by means of the most advanced optical reflectometers (OTDRs), with data relating to the dB loss of the run and an attenuation graph of the link.

Cesit Ingegneria S.P.A. has high levels of stock at its disposal, and can thus ensure the immediate availability of any type of fibre, simplex or duplex, single-mode or multi-mode patch cords and pigtailed, patch-panels and splice enclosures. All the materials we use are guaranteed by the high quality of their manufacturers, who are worldwide leaders in their field.

Cesit Ingegneria S.P.A.'s fleet of instrumentation and equipment also includes the best core-alignment fusion splicers on the market, and the most advanced OTDRs for certifying all types of fibre optic networks.

## Cesit Ingegneria S.P.A.'s skills areas

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Realisation of fibre optic cabling for LAN/WAN networks

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Realisation of optical network infrastructure for photovoltaic and wind farms serving automation, supervision and remote control systems

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Realisation of CCTV systems using fibre optic for video signal transmission

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Fault finding on optical networks and fusion splicing

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Testing and certification of optical connections using OTDRs

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Round-the-clock maintenance and fault diagnosis service

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High levels of warehouse stock available at all times for rapid-response services and round-the-clock call-out

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