

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

Telecommunications

# Cabling

**With the rapid evolution of information and telecommunication technology, the range of available applications is now much wider than it was a few years ago.**

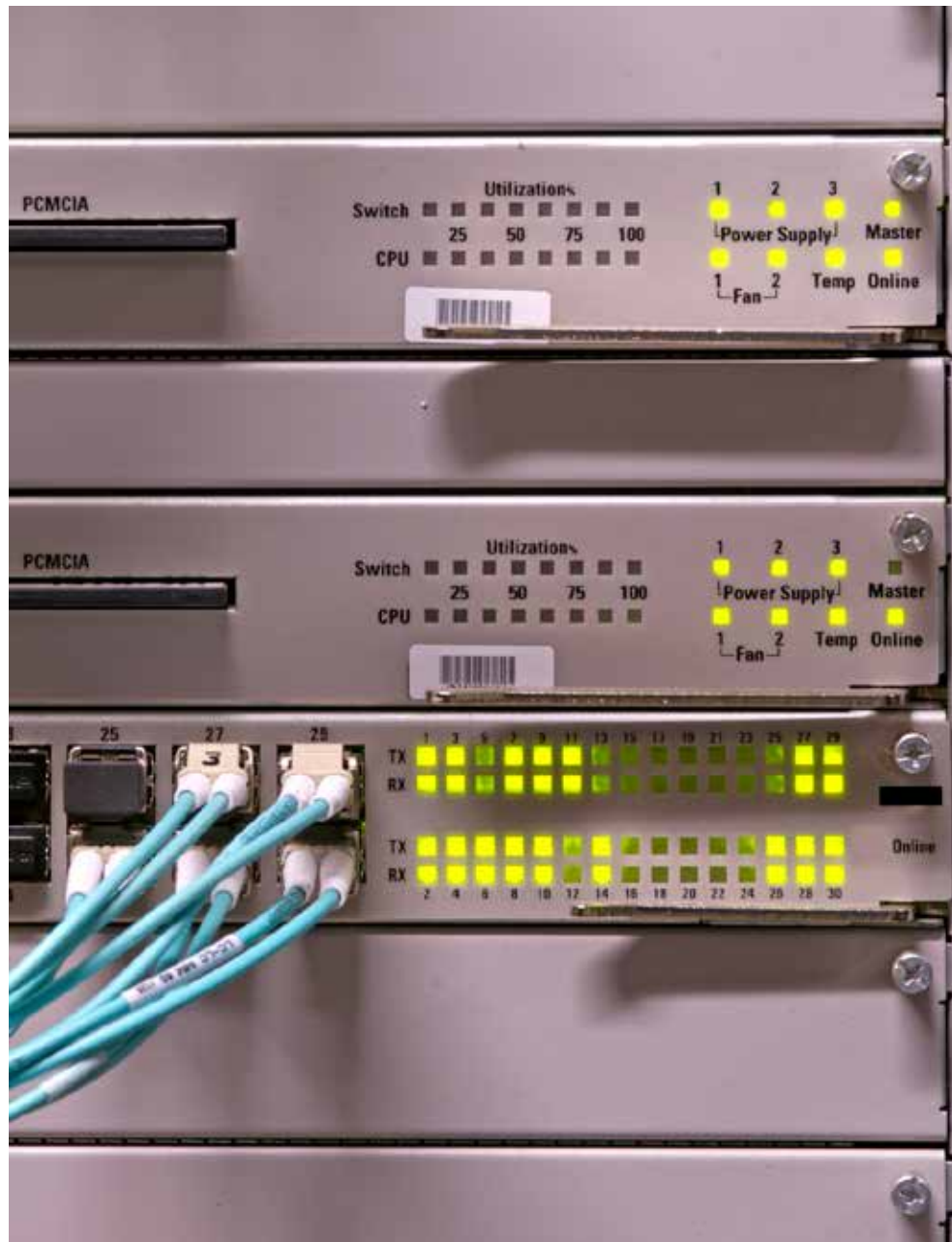
**To handle network traffic effectively, it is essential to use cabling systems that meet the new requirements.**

**By using structured cable, it is possible to carry voice, data and video signals, and different types of signal in general, with a single physical infrastructure.**

**Cesit Ingegneria S.P.A. offers tailored solutions and services for any type of system, according to the requirements and objectives of each individual company.**

Our structured cabling systems are founded on solid design know-how and the use of state-of-the-art components and active devices.

We can meet a comprehensive range of data, internet and mobility requirements, thanks in part to our first-class instrumentation for conducting tests on correct operation, which we always fully document in technical design reports to ensure the absolute reliability of the proposed services.



## Cesit Ingegneria S.P.A. provides the following services for data, voice, audio and video convergence:

Feasibility studies, analysis of existing assets, network topology studies with the support of land models and mapping for MAN/WAN and wireless networks, and radio coverage analysis

Economic analysis of investments and preparation of business plans

Technical consulting

Conceptual design of systems

Preparation of outlay specifications

Set-up of LAN networks and installation of active devices

Works management

Testing of previously executed works and expert consulting for estimation or evaluation purposes

Certification of copper and fibre optic networks by means of TDR/OTDR

Identification of fault points and repair of copper and fibre optic networks

**Cesit Ingegneria S.P.A.'s capabilities in the telecommunications field also extend to the use of fibre optic, because the Company has invested in the training of its technicians and upgraded its fleet of instruments with the best, latest-generation fusion splicers and OTDRs.**

**We offer the following fibre optic services:**

Indoor installation of fibre optic

Outdoor installation of fibre optic

Fusion splicing

Troubleshooting on fibre optic networks

Certification using OTDRs and power meters

**The use of structured cabling, combined with the convergence of IP software protocols, makes it possible to support not only data traffic but also applications such as voice, video, security, automation and supervision with a single physical infrastructure. Furthermore, if the design of the structured data network is incorporated into the design of the building from the outset, the costs are lower than for retrofitting in an existing building.**

Thanks to its field experience, Cesit Ingegneria S.P.A. has all the necessary capabilities to undertake every phase of the cabled network realisation process, including planning, design, supply of materials, installation, testing and certification of the complete system.

By offering advanced technological solutions and using top-quality materials from the most renowned manufacturers with proven worldwide experience, Cesit Ingegneria S.P.A. ensures the highest performance levels and maximum service life of the systems concerned. Specialised technicians are on hand to provide a rapid response, both in Italy and elsewhere, for urgent repairs and installations of both copper and fibre optic cable. We carry out fault diagnosis and repairs or new installation projects rapidly and to the highest standards of quality, all backed up by the necessary acceptance tests to confirm the correct execution of the work and the full functionality of the system.