



## How important a structured cabling system can be?

Structured cabling can be defined as the physical infrastructure supporting all our communications systems, which is based not only on the transmission of voice and data signals, but also on the integration of security systems, audio, alarms, video, television, to name a few. In light of this, we may infer that any decision taken today regarding structured cabling will somehow condition the performance of our business in the future; and this is exactly why companies are now driven to ensure the continued improvement of their inter and intra communications ecosystems.

Compliant structured cabling systems are designed to last a minimum of 10 years. Upon checking world-renowned manufacturers currently offering these solutions, we have found that their warranties cover periods ranging from 15 to 25 years.

A great deal of logistics is involved in the installation of structured cabling, since such a network infrastructure will be installed in all the vital areas within a commercial or residential building. Vertical cabling, known as backbone, as well as horizontal cabling require to be physically managed using cable trays and pipes installed following TIA/EIA international standards. While the software is likely to be upgraded about 6 times and the hardware about 3, the physical infrastructure will remain the same over that same period.

Structured cabling represents between 7% and 10% of the entire technological investment implemented, and it accounts for nearly 75% of all the technology-related failures that may occur during its lifetime.

The information presented above is very illustrative, leading us to the conclusion that the right cabling solution to be installed will become a defining factor at the time of ensuring optimal network performance, and the competitiveness companies need to thrive in the current and future marketplace.