Structured Cabling

Protocol™
Network Integration

In today's competitive global markets, communication networks are critical to the success of every organisation. The first building block in these networks is the cabling infrastructure to the desktop, without satisfactory performance it can be weakest link in the chain. Protocol Integration network builds the data and voice cabling infrastructures that offer reliable support for the communication networks of today and tomorrow.

Planning an Infrastructure

Wherever communications are needed, a cabling infrastructure is required to support it. Structured cabling solutions provide the flexibility for every user to connect to data and voice services. By 'flood wiring' a premises, connections are available wherever users are located.

The Value and demands of installing a cabling infrastructure, typically dictate an expected life of 15 years or more. As a result, careful planning, quality implementation and standards conformity are critical to this investment. Protocol Network Integration will design the most appropriate cabling infrastructure, to match your technical requirements and the demands of your premises.

Copper Cabling

Twisted-pair copper cabling, either unshielded (UTP or STP), is the low-cost media used as standard for links to the desktop. Current standards set by EIA/TIA and ISO set performance parameters for 'Category 5' or 'Class D' links.

Demands of new high speed technologies such as ATM, 100Mbps and Gigabit Ethernet exceed the current standards. The performance warranty offered on each cabling system, is the key factor in deciding which technologies the cabling infrastructurecan be relied upon to support in the future.

Fibre-Optic Systems

Fibre-optic cabling offers a far greater bandwidth than copper, it is typically required for backbone connections between localised networking equipment. Although it's higher cost can be prohibitive for desktop connections, fibre-optic cabling offers a high security link for those environments which demand it.

Fibre-optic cabling is also the solution for inter-building links and other connections beyond the maximum 90m for Category 5 copper cabling. Protocol Network Integration provides the specialist expertise and equipment for designing and installing fibre-optic links to meet your requirements.

Campus Networks

Protocol Network Integration provides the resource and capability for inter-building links and campus networks of any scale.

Civil engineering services are also available in order to create cabling routes. Where communication is business-critical, Protocol Network Integration will survey, design and install links that provide total reliance.

Key Products

Protocol Network Integration provides an independent approach to all cabling requirements, using products from market leading manufacturers. In order to provide the highest levels of support to demanding projects, Protocol Network Integration has invested in strategic relationships with Brand-Rex.

Protocol Network Integration offers the premium GIGAPlus, CAT5Plus systems.

Engineering Capability

Protocol Network Integration provides the highest standards of infrastructure design, project management and installation engineering. Projects are ensured to meet the demands of quality management and health and safety standards. A large engineering force operates from locations nation-wide, providing a powerful and flexible resources for projects large and small.

Cable Management Software

Protocol Network Integration offers the Crimp for Windows™ infrastructure modelling package, this provides a powerful tool to manage change control and model network infrastructures. Crimp can track the network, its users and associated equipment with equal precision, ensuring that the IT infrastructure is managed efficiently. Protocol Network Integration provides a fully installed database, configured with all infrastructure and test result details.