

Customer	First Capital Connect
Location	All Locations Related to the Network Including Stations and Offices
Equipment	Dependent on Specific Requirement
Requirements	Maintenance of Existing Data Comms Infrastructure and Rolling Upgrade Projects

# First Capital Connect

First Capital Connect is a member of First Group operating trains over the UK's busiest rail network, between London, Bedford, Brighton, Peterborough, Cambridge and Kings Lynn.

This extensive network has many different systems and technologies in place to keep the Trains, Stations, Control Centres, CCTV Centres, Ticket Offices, Carparks and Admin offices all running smoothly and on time.

In 2009 Netcab took over the contract to maintain all of FCC related Comms cabling in these areas. This includes responsibility for upgrade projects that are rolling out across the network as part of their continuing improvement scheme.

When working for the railways there are many important procedures that need to be followed, which interlink with different companies and departments. Netcab have established good communications with these departments to allow us to fulfil the requirements swiftly.

One example of this is Moorgate underground station. FCC required a WAN connection to be installed into one of their offices on their Platform within the underground station.

BT didn't have any existing cable infrastructure from their main distribution point to the platform, and did not offer the option to install a cable or provide an alternative solution.

Netcab were called into survey the site and propose a solution. A 20 pair internal/external grade LSOH CW1308B cable was required, to be run from BT's main distribution point down the stairwells, escalators, and corridors to the office on the correct platform.

Following this survey and discovery of a suitable cable route, the job was awarded, and we proceeded to seek access to work at the station. Due to the nature of the work, it had to be carried out at such times as the station was closed.

As part of this process we were aware that there maybe issues with asbestos, and after receiving the asbestos register discovered that a small area we were planning to work in had not yet been surveyed.

A specialist company was employed by NetCab to survey the area, and following their report NetCab were then allowed by LUL to proceed with the project.

This project has now successfully allowed BT to connect their WAN service down to the offices.

Other projects undertaken have included long distance single mode fibre installations, Point to Point 300Mbps Wi-Fi link operating on frequencies that don't require a licence, Cat 5e, Voice and multi-mode fibre connections.

A strong relationship continues to grow as NetCab start to work with other companies within First Group.

