

Supporting local businesses for over 20 years

Cavendish Installs Cabling Infrastructure for Bexhill High “School of the Future”

At a cost of £38 Million and 5 years in the making Bexhill High School in East Sussex has been branded “School of the Future”. With an internal area of 11,500sq m spread over three storey’s, it educates young person’s using progressive learning methods via pod learning zones of approximately 250sq m containing 90 students and 6 staff.

Cavendish Selected to Install Structured Cabling

Cavendish Cabling a division of the Cavendish Communications Group were selected through Halsion the mechanical and electrical contractors and Kier the Main Contractors to install the data infrastructure in the new school building for the East Sussex County Council.

With over 20 years experience the Cavendish Cabling team were able to demonstrate the ability and expertise to carry out an installation of this size and profile.

The Chosen Solution

The Cavendish Cabling team recommended the Siemon 10 Gb/s F/UTP cablings system as the optimum solution. The shielded cable ensures that the required performance is achieved.



Bexhill High School during the cabling installation.

Commenting on this choice, Cavendish Cabling Manager Mike Lee said, “This was the most cost effective way in which to install the required Category 6A cabling and represented a “greener solution”, with environmental savings made during cable manufacture and installation when using shielded cable.”

Mike Lee went on to say, “Unshielded cable would have been larger, wider and needed a tighter twist to meet the requirements of crosstalk, which is not an issue for shielded cables. Using smaller cable diameters reduced the necessary use of cable jacket materials.”

2000 Data Circuits

The communications system design included four ‘Comms rooms’, one of which was the primary server room.

The individual Comms Rooms accommodated a quarter of the building through each of the three floors and comprised approximately five hundred Cat 6A data circuits.

All of the Comms Rooms are inter connected using a 10G OM3 fibre optic cable, with a link to the existing school.

Cat 6A copper links were also installed between each cabinet.

Future Proof Cabling

The cabling solution installed guarantees present and future applications including the IP CCTV and Biometric Systems will work reliably.

**For more information call
01273 615600**