




Project Scope Overview	
Customer:	Peter Symonds College
Installer:	Technology House IT Solutions Ltd 
Site Location:	Winchester, Hampshire
Requirements:	<ul style="list-style-type: none"> • 1160 Unshielded Twisted Pair LSZH Category 5e links to 14 Transition Points (TP) (12 spare links to each TP) • 992 Category 5e LJ6C outlets in 4 position local floor boxes • Two 16 core multimode backbone fibre links to main campus data network • Multi-core voice backbone links to main campus telecom network • 3 month project done in 6 phases, on time and on budget
Equipment:	LSZH Category 5e



Ashurst Building - the new learning resource centre at Peter Symonds College, Winchester



Two of the comms cabinets (front view) before patching

Project Brief

The new Learning Resource Centre is designed to meet the 'self' and 'small group' study requirements of tomorrow's students.

The first and second floors will provide library and ICT facilities, together with all the resources expected of a Learning Resource Centre. There will be 400 workstations in a variety of areas, providing large work spaces and smaller, bookable rooms. The ground floor will house the Careers Library and advisers and, initially, 7 teaching rooms. However, the design of this floor will permit future phased expansion downwards of the Learning Resource function on floors 1 and 2.

Project Summary

The Design Consultant, Hudson Dick Associates, had considered the immediate and future requirements of the college when putting forward the original design for this project.

The structured cabling system for the building was designed around a single communications room and a number of transition points (TP) on each floor before radiating out to the floor box. Each TP had an extra 5% of vertical links to the comms room. Cat 5e cabling was installed from floor boxes and wall outlets to the strategically placed TPs, which gave flexibility for the future of cabling to a local point, instead of having to install cable up through risers and into the communications room. This added extra cost to the project but gives the college more flexibility with only local disruption for years to come.



LSZH Cat 5e cable and multi core telecom cable installed into the rear of a comms cabinet



Finished riser on the first floor



Floor box with four LJ6C modules

“This was a new build so the key was always going to be good communication with the client. We did the project in six phases over the 3 month period working around each of the other contractors. The three floors (Phases 1,2 and 3), the communications room, floor distribution and snag and test. Everything went to plan, we had a nice sized communications room with risers reasonably local, the transition points were an added complication that you don’t often get specified but once the configuration and labelling system had Finished riser on the first floor been planned it was relatively straight forward. The key is good planning. The LSZH cable is becoming popular, ensures that this building does not fill up with halogens, allowing students to exit the building should a fire occur. The fact that Connectix tests all the cable at Braintree, gives us the security of working to tight dead lines and although 3 months seems a reasonable time Floor box with four LJ6C modules frame we had in effect 6 dead lines, one for each phase. If we missed one we would impact on other contractors and critically effect the whole project. The Connectix products went in smoothly and gave the customer the flexibility and choice of finish they required. As a team we are very proud of this high quality install.”

Simon Parker, Project Manager, Technology House

“When we decided to build a new Learning Resource Centre at Peter Symonds College I was determined that the network infrastructure in it should be as good as possible. We went to tender for the cabling and I was pleased that Technology House, who have been our preferred cabling contractor for the past couple of years, won the contract. They installed a highly structured solution with around 1000 Cat 5e ports linked via transition panels to a central switch room as specified in the design specification. Technology House engineers liaised professionally with the construction engineers and the work was completed on schedule and to their usual very high standard.”

Charles Parish, IT Manager, Peter Symonds College