

Addendum to LSUHSC Network Cabling Infrastructure Design and Installation Standards

Cable installation must consist of Belden Media Twist Level 7 (Category 6) cable. Part numbers are Belden 1872A and 1874A (Plenum). Cables shall be color coded to match the connectors. Blue for data, red for voice, and electric ivory for spare/other.

All new installations will use Panduit connectorization components rated for Category 6.

All cable runs should terminate in the designated Cross Connect.

All patch cables are to be supplied by the installer and are to comply with the T568A designation identified in TIA/EIA-568-B.2.

Cable Trays: Cablofil Wire Cable Tray 4"x8": CAB CF105/200EZ. Cablofil Center Hanger 12": CAB FASPCH300PG, Cablofil 3/8" hex nuts, flat washers, Cablofil Slice Bar: CAB EDRN, Cablofil T90 Kit: CAB EZ T 90

Interbuilding Fiber: Corning C012K81-33130-A1 (12 strand MM mic riser aluminum armored)

Utilize Corning fiber optic SC patch panels: CRCCH-01U-1291 with 2 SC 6-fiber MM adapter panels

Connector CR95-000-41SC Unicam connectors ceramic tip

Testing and Certification: All UTP cables must be tested to 250 MHz on each cable pair and be capable of Gigabit Ethernet. Test results must be saved and submitted electronically to the LSUHSC Office of Computer Services upon completion of the installation.

The specified number of seven foot, 19" equipment racks should be installed in a single line, side-to-side, and securely fastened. Five 6", double-sided, full-length vertical wire management rails are required between each rack as well as at both ends of the line of racks. Racks should be securely mounted to the floor and braced with ladder tray to the walls, which also serves as the cable path and support structure for all copper and fiber cabling terminated in the racks. The racks shall be positioned within the telecommunications room to allow access to both the front and rear of all racks. When planning access to the rear of the racks, consideration should be made for the fact that equipment mounted in the rack will often extend at least 24 –30 inches behind the rack. As such, adequate allowance shall be made to the rear of the rack to allow for access behind the racks even after equipment is permanently installed. Refer to proposal drawings.

Racks: Chatsworth CPI55053-503

Vertical Managements: CPI30095-503

Install ladder system inside telecommunications room for routing internal wires and drops down to each vertical management.

All phone runs (from the phone position to the telephone patch panels) should be patched with gray patch cables.

All patch cables from the patch panels to the network electronics must be patched as well. If the electronics are not in place at the time the installer is ready to begin patching, the installer must return to complete this work as soon as the electronics are rack-mounted. Patch cables connecting to the network electronics should correspond to the blue jacks on the patch panel.

Port mapping documentation must be provided to the site and to LSUHSC Computer Services in electronic format mutually agreed upon by the installer and LSUHSC Computer Services.

If wire molding is necessary, Panduit wire molding is to run from the drop ceiling to a Panduit box located approximately 15" off the floor.

Raceway part numbers: Panduit PD LD5EI6-A (Latching Raceway 6' Strip)

Single gang Panduit PD JB1EI-A (deep device box)

All raceway must be custom fitted with Panduit connectors such as drops ceiling fittings and cover clips. Panduit raceway must be installed in a permanent fashion by using screws, anchors and studs.