

NETWORK CABLE TECHNICIAN TITLE DEFINITION

I. DEFINITION

NETWORK CABLE TECHNICIAN

The technical positions in this title definition require extensive knowledge of voice, data, and video network cable systems. Responsibilities include installing data cables, testing cable networks, trouble shooting complaints, monitoring cable performance and/or overseeing contractor work, setting priorities, and coordinating work schedules. Job duties include designing, planning, constructing, managing and operating complex network cable systems or overseeing contractors. Positions may also perform job duties described as Electronics Technician; however, these duties would not be the majority of the responsibilities. Positions must perform or oversee a majority (more than 50%) of the duties identified herein a majority (more than 50%) of their time.

Examples of Equipment/Systems/Work:

- Work with unshielded twisted pair, single- and multi-mode fiber optic, coaxial cable, or equivalent.
- Use diagnostic equipment to troubleshoot problems, maintain lines, or repair cable. (Equipment such as analog and digital voltmeters, oscilloscopes, signal generators, breakout boxes, cable scanners, LANmeters, portable sniffers, fiber-optic light source and power meter, laptop computers using ip/ix protocols, and electronic circuitry, copper and fiber optic cable, or equivalent may be used.)
- Plan, install, maintain, and relocate network hardware. (Hardware such as Cisco routers and switches, 3Com shared Ethernet hubs, Plexcom repeaters, hubs, transceivers, Network General Sniffers, and other equivalent network monitoring equipment.)
- Install, maintain, and troubleshoot intra building fiber-optic cables from IDF to wiring closets, terminate with ST and SC type fiber-optic connectors, manufacture and provide fiber patch cords, maintain and troubleshoot outside plant inter building fiber-optic cables, or equivalent, or oversee contractors.
- Troubleshoot complaints.
- Monitor, inspect and approve the work of contractors.
- Certify data wiring and monitor, inspect, and conduct all tests required, ensuring all system component connections are operating properly. (Equipment such as to CAT 3 and CAT 5 for compliance with Ethernet and Fast Ethernet standards, and other comparable equipment.)
- Maintain knowledge on evolving data communication concepts. (Examples such as Baud speeds, ASCII Vs EBCDIC codes, full and half-duplex data transmission, synchronous and asynchronous data transmission, EIA RS-232C Protocol, signal multiplexing methods and their attributes and limitations, or equivalent and related concepts.)
- Maintain a computer based equipment and cable management system.

- Install and repair telephony related equipment, interconnecting devices, and multiple equivalent technologies across wiring plant, hardware, network platforms, and install and repair video multiplexes, cabling, amplifiers, splitters, connectors, and connections, or equivalent.

II. QUALIFICATIONS

The qualifications required for these positions will be determined at the time of recruitment.

III. RELATED TITLES

Administrative Telecommunications Specialist
IS Network Services series
Electronics Technician