



EKRIS

Infrastructure Services, Inc.

CT LIC 106004

Structured Cabling
Telecommunications
Interbuilding Links
Low Voltage
Wireless





Complete Design and Installation of Communications Infrastructure Systems

CT LIC 106004

Structured Cabling:

- Category 3, 5, 5e and 6, as well as next-generation unshielded twisted pair (UTP) and screened twisted pair (ScTP) for voice, data and video applications
- Category 7 fully shielded (SSTP) 600MHz solutions for voice, data and video applications
- Warranties on cable plant up to 30 years through major manufacturers
- Coaxial cabling for video distribution, cable television (CATV), broadband and baseband video, closed-circuit television (CCTV) for surveillance, security and process control, digital satellite (DSS/DBS), VSAT, TVRO and other satellite-based services
- Residential cabling – complete voice, data, video and audio connectivity solutions, including Internet sharing and home office solutions
- Fiber optic solutions – horizontal fiber-to-the-desk (FTTD), centralized networking and backbone cabling solutions connecting multiple telecommunications rooms as well as buildings and data center/storage area networks (SAN)
- Certification of structured cabling using state-of-the-art field testing equipment with documented test results
- As-built CAD floor plans detailing structured cabling plant, as well as Microsoft Visio® equipment elevations
- Implementation of all applicable cabling standards and regulations, including the National Electrical Code, ANSI/TIA/EIA-568, 569, 570 and 606 Cabling Standards, ISO/IEC-11801 International Cabling Standards and BICSI Design Guidelines
- Extensive and ongoing training and certification of designers and installers through the industry's leading manufacturers
- Licensed installation personnel as required by the State Department of Consumer Protection, dispatched with State Department of Labor Registered Apprentices

Telecommunications Systems Solutions:

- Local area network (LAN) hub, switch and router (LAN/WAN) solutions for Ethernet, Fast Ethernet, Gigabit Ethernet, Token Ring and ATM, as well as Internet access and sharing devices
- Software-based telephone systems that combine the desktop PC with the telephone and provide unified messaging of voicemail, email and faxes in one convenient platform, using an open systems architecture that offers full-service PBX features at a small-to-medium business price point
- Voice-over-IP (VoIP) enabling toll bypass (to reduce costs), providing Web-based call centers and allowing associates to work remotely
- Small Office/Home Office (SOHO) telecommunications solutions, including Internet access and virtual private networks (VPN)
- High-speed Internet access and pathways for multitenant/multiuser spaces such as apartment complexes, hotels/motels and shared tenant spaces

Interbuilding Links:

- Trenching/excavation with conduit installation
- Aerial
- Fiber optic
- Multipair copper voice and data backbones with station/lightning protection
- Wireless point-to-point and point-to-multipoint solutions for voice, data and video, including Free Space Optics (FSO)

Wireless Applications:

- In-building, allowing seamless roaming throughout the interior and exterior of a building or buildings. Examples include distribution centers, warehouses, healthcare, education, retail, manufacturing, logistics and public spaces, as well as highly mobile workspaces
- Temporary and flexible network set up for conference rooms, training facilities, sporting events and expositions
- Interbuilding point-to-point and point-to-multipoint voice, data and video connectivity options in situations where frame relay, T1/FT1, or leased lines are not economical, and cabling is not practical or possible
- Complete site survey services, including suggested equipment placement, as well as recommended protocol (802.11b/WiFi, 802.11a/WiFi5, OpenAir/HomeRF, 802.11g, proprietary, Free Space Optics, etc.)

Complete Design and Installation of Communications Infrastructure Systems

Specialized Low-voltage Systems:

- Overhead paging and intercoms with telephone system integration
- Data collection system cabling
- Industrial and process control cabling
- Closed-circuit television (CCTV), including digital recording/storage and LAN/WAN access of video providing monitoring from a desktop PC
- Access control for interior and exterior doors
- Door entry two-way communication and video monitoring systems

Support Products and Services:

- File server and equipment racks, cabinets and enclosures
- Open frame workstations and integrated cabinets
- Co-location enclosures
- Environmental enclosures
- Ladder rack, cable runway and trough and related cable support systems
- Uninterruptible power supplies (UPS) for file servers, data centers, telecommunications rooms/closets (rack/cabinet mounted and stand-alone), workstations, PCs, telephone systems, etc.
- Keyboard/Video/Mouse (KVM) and peripheral (printer, USB, etc.) sharing switches
- Integrated rack and power systems
- Cable management, including identification and cleanup activities of existing cable plant
- Remote reboot and power management
- Surge protection and power conditioning
- Precision air conditioning for IT services
- Media converters, transceivers, baluns, repeaters and line drivers

Custom Cable Assembly Division:

- High-quality voice, data, video, audio, LAN, WAN, peripheral (serial, parallel, USB, SCSI, HIPPI, router) and fiber optic assemblies and harnesses
- Kitting and plug-and-play services
- Turnkey contract manufacturing and just-in-time scheduling



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