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SUMMARY

Connectivity between critical pieces of equipment is crucial to the productivity of a workforce and the success of a company. The cable system used to connect an indoor network, known as premise wiring, is the primary means of accomplishing this goal. The products needed are cable wiring, cabling connectors, and various accessories that are used in business, government, and education applications. Premise wiring connects data terminals, computers, and phone equipment systems that can be interconnected using copper or fiber optic cabling.

To ensure optimum performance and full bandwidth potential, it is recommended that certified installation crews be used to terminate cables and install the products. These components must meet or exceed the industry ANSI, TIA/EIA and ISO standards for maximum product performance levels and design layout.

FEATURES

- Cat 5, Cat 5e, Cat 6, and Cat 6e cables can be used for Ethernet connections
- Configurations from simplex to multi-fiber configurations are available with single mode and multi-mode fiber optic cables
- Connector configurations can meet a variety of termination requirements
- Cable raceways and ladder racks to efficiently route cable
- Cable management systems
- Multiplexers
- Routers
- Switches
- IP cameras
- Media converters

BENEFITS

- Continuity
- Productivity
- High quality voice systems
- High quality data transfer
- Ease of network management
- Cost savings from good cable management
- Security

REAL WORLD EXAMPLES

Situation: A medium-sized manufacturing company experienced increased sales and hired several new employees. Their office space became too cramped to provide an efficient work environment. To gain space, they expanded into adjacent office suites.

Problem: They had 3200 square feet of new office space with no way to connect their employees to their core network.

Solution: Two independent distribution closets were created in the new office space with Gigabit wired connections to the main distribution closet in the original office. Rack equipment, cable management bars, patch panels, switches, plenum Category 6 distribution cable, modular jacks, wall plates and Category 6 patch cables brought gigabit speeds to the new desktops throughout the office space.

ADDITIONAL CONSIDERATIONS

- Is there an existing cable route design or plan?
- What kind of cable is currently installed? Cat 5, 5e, 6, 6e, or fiber?
- What applications will be running on the network?
- What are the connector requirements?
- Are equipment racks or cabinets required?
- Is there an existing cable management system?
- What are the power requirements?
- Is backup power required?

PRODUCTS

- Cable
- Connectors
- Switches
- Routers
- Multiplexers
- Racks or cabinets
- Cable Raceway
- Wall plates
- Cable management systems
- Patch panels
- Test Equipment
- Tools

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