

Product Description
StructuredWiringSolutions™


BR00412001E

Product Description

Structured wiring is a simple, affordable way to wire a home for state-of-the-art communications, entertainment, and security now and for many years to come.

The basic concept is that all telephone, television, satellite, coaxial, audio and data communications cables are wired in a star topology (home run) to each room in the home and terminate at a central distribution panel. This distribution panel allows flexibility for future modifications and/or additions to keep pace with a homeowner's lifestyle and needs.

Structured wiring can also be used as a central hub to interconnect a security system, home automation, HVAC and load control providing a complete system to increase the security, comfort and convenience for a homeowner.

Today, the demand for structured wiring is high due to the impact of the Internet and multi-media applications. Ultimately, people will need a home local area network (LAN) to accommodate peripheral devices throughout the home. All indication is that the impact of the Internet and coming of broadband will drive over 80% of structured wiring installations.

Application Description

Structured wiring is typically installed in the following areas:

- Pre-wiring in new construction.
- Installations in single-unit homes vs. wiring multi-dwelling units.
- Marketing and installation in production built homes vs. custom-built homes.

Structured Wiring

A system is composed of the following:

- A distribution panel is used to distribute outside services like cable TV, telephone, DBS satellite, Internet and the like, to locations throughout the home.
- Certain services like digital cable, digital satellite, high-speed Internet and HDTV require the second part of the wiring system, high-performance cables, to allow full access throughout the home.
 - RG-6 coaxial cable for TV and video distribution
 - Category 5 – telephone and data
- Each room has a multimedia outlet, which can be customized to users' specific needs based on what services they want in each room.

Typical Applications
Internet Access, Telephone and Fax All at the Same Time

- Connect multiple computers, faxes and telephones so they work together, yet separately.
- Access to DSL or cable modem in every room.

Take Home Theater Beyond the TV Room

- In-house audio distribution.
- DBS or cable access from any room.

Have 24-Hour Peace of Mind

- Know your family is safe even if you are not there.
- Video monitoring, front door surveillance.

Be in Control

- Connect to a variety of home automation products to control indoor and outdoor lighting, heating/cooling and security systems.

Count on Technology

- Anytime you need to add.

Features, Benefits and Functions

- Meets UL standards — communication circuit accessory.
- Consumer friendly factory-assembled packages.
- Accepts CAT5e, RG-6 and optional Fiber Optic wiring.
- Compact low profile enclosures complete with 1/2-inch (12.7 mm) sheet rock spacers and 110 volt power outlets.
- Combination telephone and coaxial modules.
- Connections to interface to a Key System Unit (KSU) or PBX systems.
- Built-in surge suppression and 20dB bi-directional amplifier.
- Built-in security RJ31X interface port.
- 10/100Base-T Ethernet.
- 10/100 auto switching cable/DSL firewall Internet router.
- Satellite DBS distribution.
- Wide range of accessories, including patch cords, telephone line breakout, CAT5e and RG6 inserts.
- Whole house audio distribution.
- Patented patch bay design to simplify routing and rerouting signals.

Standards and Certifications

UL listed 64EK as Communication Circuit Accessory.