What is Structured Wiring

Structured Wiring is a whole house wiring system for communications, entertainment, security and control that works with the systems already in the home, anticipates technological advances and lays the groundwork for future home technology and smart home enhancements.

Imagine a house full of theme music, where every room carries the same tune as you move about the home. Imagine never missing a moment of the DVD your family is watching, because the video feeds throughout the house, allowing you to watch it while you make a sandwich in the kitchen. In today's techno-savvy world, the benefits of structured wiring in the home range from computer networking to elaborate home-automation systems. A comprehensive structured wiring system provides the infrastructure to create a well-organized communications network from room to room, and floor to floor. The structured approach when installed during new construction eliminates the need to retrofit a coaxial cable through a finished wall, or cut open the wallboard to relocate a Category 5e cable. Instead, true structured wiring often involves installing a bundle of wires, sometimes with two 4-pair Cat 5e/6e cables, two coaxial cables and even multi-mode optical fibers.

Sounds complicated? Well, in many respects, it is. But it is likely a shrewd move when building a new house and it allows the homeowner to customize their wiring design to suit their needs for today, and the future.

S.O.S Security, LLC has years of experience in the specification and design of Structured Wiring Systems and we will work with your architects, builders and electrical contractors to install a system that is flexible, re-configurable and built to take advantage of emerging technologies, such as "smart appliances", and broadband.

S.O.S security, LLC can put a structured wiring plan together for you. Our installers can run the low voltage wiring while you house is open, saving hundreds or thousands of dollars in the future. Installers will prewire: Cat5e/Cat6, phone line(s), Coax (cable), Speaker wire, and Security wire.

Structured Wiring panels were developed as a means to centralize and organize the miles of Cables and individual System Panels required to distribute Multi-Room TV, Camera Video, Phone Service, Multi-Room Audio, and PC Network & Internet services, to each room in a home. Structured wiring takes the concept of structured cabling, as practiced in demanding commercial applications, and combines it with multimedia.Structured Wiring Panels vary in size; plan on a wall area of no less than 4' high by 4' wide for the Panel and Cables in a service area such as a garage, attic, or basement. The Structured Wiring method of distribution is best suited to new construction when the walls are still "open", however it is still a viable solution for an existing home that offers access to the desired rooms via an attic or basement. We offer complete Structured Wiring systems from Leviton, On Q and ChannelVision Central. Please include the desired products from each of the three product groups that comprise Structured Wiring Systems: Modules, A Structured Media Panel, and the Multi-Media Wallplates. Many of the Modules are compatible between the two manufacturers, however it is usually best to select the manufacturer of your choice and plan your entire system with their products.

We appreciate the challenge of planning your system and would be pleased to assist you. Structured wiring is a generic term used to describe many different types of residential wiring products that distribute a variety of data signals throughout a home. Signal typessuch as cable television, telephones, and Ethernet computer networks are common examples.

Structured Wiring is a whole house wiring system for communications, entertainment, security and control that anticipates and lays the groundwork for future home technology and efficiency enhancements. Media Servers can distribute your home computer media throughout the household such as your photo, movie and music collections.

Before

After

24 HOUR PROTECTION

S.O.S. Security, LLC

715-955-4581

Services We Provide:

Interactive Security, Surveillance, Fire Systems, Telephone Systems,

Access Control Systems, Home Automation, Home Audio

& Theater,Data Cabling, Structured Wiring & Low Voltage Solutions

Security Systems

We want to set us apart from other security system providers. One way to do that is to offer our customers new technology that increases their security and adds convenience.

Automation technology lets us provide our customers with a range of controls for lights, locks & doors, thermostats, appliances and cameras in both residential and small commercial applications. With a Z-Wave® Interface Module added to your system, you can manage a wide variety of automation devices via the Virtual Keypad™ App on your mobile device or the Virtual Keypad Browser on any Internet-connected computer.

New Z-Wave devices and additional features are always on the way. Our Customers can control multiple functions with a single keypress. Imagine a system that when you arm it for the night, it automatically locks the front door, adjusts interior lights, and sets back the thermostat. Or, imagine you are driving home from a ball game, and your security system automatically recognizes when your family is within a few miles of the house and prepares the house for your arrival: turns the lights on, cools the house down and opens the garage door. The alarm system becomes the heart of your home or business control system.

Access Control Hardware

The main component in any access control system is the control panel. It communicates with and manages the various other devices installed throughout the facility. DMP systems include an "integrated" panel that also provides intrusion and fire alarm capabilities, all in a single unit. The primary devices in an access control system are:

Electronic Hardware:
Each protected door needs to be equipped with an electronic lock that can be remotely controlled.

Prox Readers:
Card readers where users swipe their cards, or proximity devices that users pass their fobs or access cards over.

Request-to-Exit Devices:
Motion sensors, buttons, or crash bars used to bypass a door or release an electronic lock.

Fire Systems

INNOVATIVE PROCESSING SOLUTIONS THAT MAKE BUILT SPACE TODAY AS SAFE AS IT'S EVER BEEN.
From economical hardwired control panels to high-end life safety platforms – and even hybrid that offer both conventional and intelligent solutions.

VS-SERIES: INTELLIGENT FIRE ALARM FOR SMALL TO MID-RANGE APPLICATIONS
These powerful life safety solutions offer simple setup, reliable operation, and advanced features that put them into a class of their own. Exclusive ground fault detection actually identifies field wiring problems right down to the individual module. Meanwhile, the VS is so robust that in most retrofit situations existing wiring can be used. Add Ethernet connectivity for local or remote diagnostics and programming, and you've got a system that's just as easy to maintain as it is to install.

Cameras/Surveillance

Video Services allow you to control and monitor cameras at your home from your mobile device. Cameras can be added to the interior and exterior of your home and are triggered to record when motion is detected. They can also be placed on a recording schedule or users can view live video and record live clips. Users can also download clips and forward them as needed. Video Services enable home-owners to keep an eye on babysitters, teenagers, or aging parents. It can also provide peace of mind during an alarm to determine whether it is a real or false alarm by reviewing the alarm triggered video clips. Find out what else your security system can do via the Virtual Keypad™ App. Contact us to learn more about features to control your doors and lights.

Add a Video Doorbell for Peace of Mind Delivering video and voice capabilities at your front door using the Virtual Keypad™ app — the same app you rely on to manage your security and home automation systems. Video Doorbell features include: 1080P HD Video with 180° Field of View Notifications or Live Camera View on Virtual Keypad App Pinch-to-Zoom For a Closer Look 2.4 GHz Wi-Fi 2,000+ Video Clips Stored Locally Supports SecureCom Video™ NVR Uses Existing Doorbell Power Over-the-Air Automatic Firmware Updates