

Overview

An auditorium in healthcare facilities provides a central location for large groups of healthcare professionals and medical students to gather for informative and procedural presentations. Visual aid equipment of the past may have included either a filmstrip or slideshow projector located at ground level or in a projector room above the audience. Audio would have been provided via wall mount speakers spread throughout the room.

Today, filmstrip and slideshow projectors have been replaced with digital projectors. Presenters may require a connection from a laptop that is located on stage back to a projector mounted on the ceiling or in a projector room. Audio reinforcement systems are also very popular in most auditoriums to assist with addressing a large number of

Microphones and instrument cabling are routed back to a central location, either backstage or in a projector room where it enters a series of equipment to provide output to speakers.

Although most modern audio reinforcement systems use wireless technology, cabling is still required to patch preamplifiers and mixers together as well as speakers. The connectivity needs for a modern setup presents a challenge for installers since some environments have a limited path for running cabling.



How do Cables To Go solutions fit into this type of application?

Applications that require conduit can benefit from our RapidRun® modular cabling solution, which eliminates the need for field termination. RapidRun is factory tested and is backed with a lifetime warranty resulting in dependable performance. When cabling is not an option, our extensive line of wireless USB solutions provides reliable in-room connectivity and easy installation. For audio reinforcement systems, we offer a complete line of Pro Audio cabling such as XLR, 1/4" TS and TRS that is perfect for patching amplifiers and mixers or for running cable from the stage to the central equipment location.

Auditorium Solution Example

A hospital plans to update its auditorium with a digital projector that will allow them to review patient procedures recorded and stored on a server that can be accessed using a PC located on stage. The projector will be installed in the ceiling near a conduit pathway. The conduit is 3/4 inch in diameter and must carry cabling for both the computer and DVD player's video signals located on the stage 50ft away. The audio for both source devices needs to be routed to the sound reinforcement system located in a closet on stage 15ft from the podium.



Solution Overview

The solution we recommend is our RapidRun® modular cable system with integrated audio and video wall plate (#42320), HD15 and composite video flying lead (#40875), and a 50ft UXGA CMP rated runner cable (#40752). The audio for this solution will be separated using a RapidRun audio breakout adapter cable (#42167) and delivered to the sound reinforcement system using two 15ft CMP-rated 3.5mm cables (#40515). The audio reinforcement system may have balanced inputs such as 6.3mm (1/4in) which warrants the need for the suggested adapter (#40639) to adapt the cables (#40515) to the proper size.

Solution Components

Description: 50ft RapidRun Plenum-Rated PC Runner Cable

Application: Cable installed in conduit to carry video

Part number: 40752

Quantity: 1



Description: 1.5ft RapidRun HD15 Male + Composite Video Flying Lead

Application: Video connection installed at the projector

Part number: 40875

Quantity: 1



Description: Single Gang Integrated HD15 + 3.5mm + RCA Audio/Video Wall Plate

Application: Audio and video connections located near the stage for the computer and DVD player

Part number: 42320

Quantity: 1



Description: 6in RapidRun (2) 3.5mm Audio Breakout Adapter Cable

Application: Separates the audio signals from wall plate (#42320) and allows the signals to be routed using 3.5mm audio cables

Part number: 42167

Quantity: 1



Description: 15ft Plenum-Rated 3.5mm Stereo Audio Cable with Low Profile Connectors

Application: Carries the separated audio signals from the adapter (#42167) to the sound reinforcement system

Part number: 40515

Quantity: 2



Description: 3.5mm Female to 6.3mm (1/4in) Adapter

Application: An optional component to adapt the 3.5mm audio cable to a 1/4in input of a pro audio amplifier

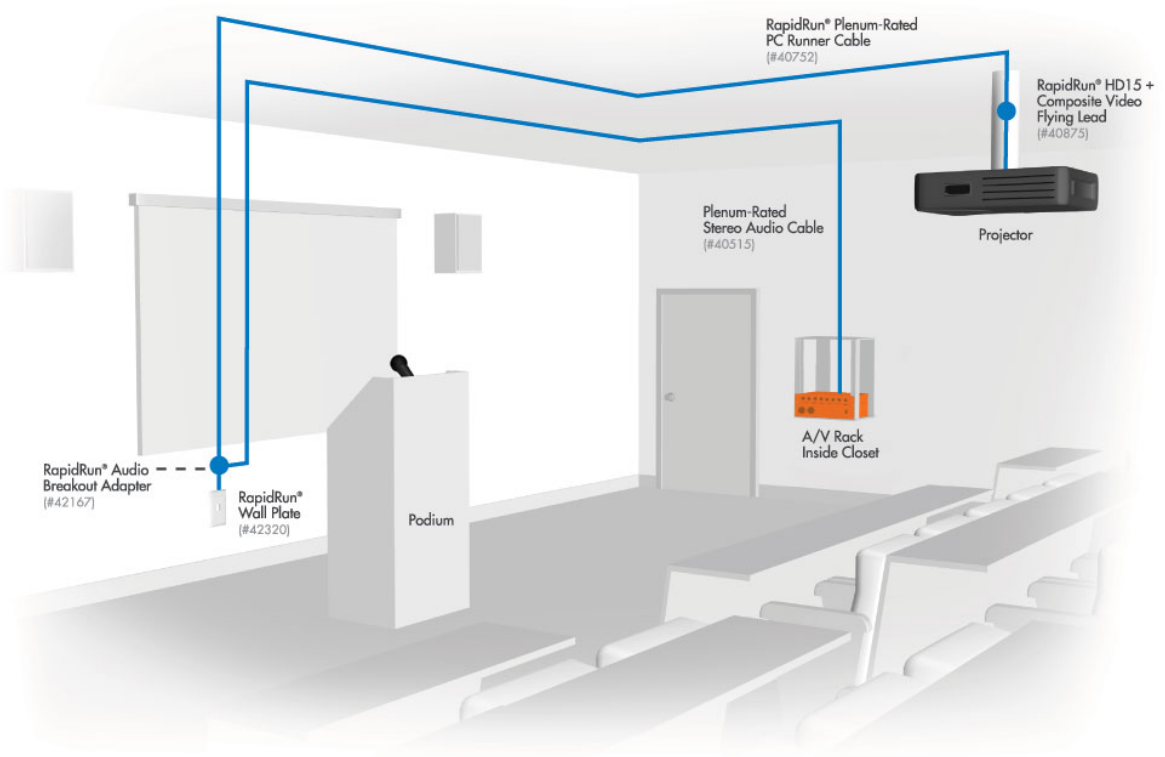
Part number: 40639

Quantity: 1



Note: The solution described above is one of many connectivity solutions that Cables To Go can provide. For additional information on solutions for your particular application, please contact us.

Application Note - Education Auditorium Connectivity Solutions



 **CablesToGo**™
Service Through Every Connection