

## AV2000 Simple Multi-Media Cabling

Audio, Video, Data and Control  
in a Single Connector



### Finally the Answer

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You have a great new Audio/Video, mixed media system. It does everything you need and more; audio, video, data and control elements. All the components are in place with the design making it simple enough for anyone to use. But there's just one problem - you have a whole bunch of confusing connectors to plug in each time you want to use it! Not a good situation - but Wireworks has the answer. A single connector - just one plug-in - does it all! Right every time - You can't go wrong!

### Simplicity in place of Confusion.

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No matter how complex your multi-media system needs to be, and no matter how many diverse elements are involved, the interconnect cabling doesn't have to be confusing!

With AV2000, the simple multi-media cabling system only from Wireworks, the confusion problem is solved! Because multi-media systems play such an important role in many organizations, any complication can rob you of time and cause undue stress. If the system is not really user friendly, it can mean aggravation and frustration.

Now, the most simple, reliable and fastest interconnect system is yours.

In place of a complicated array of similar looking connectors necessary for the different cabling required by such diverse system elements, one simple, durable and error free connector is all that is needed!

Nothing could be more user friendly!

### Single Plug Solution!

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All the audio, video, data and control signals are combined through a sophisticated, hybrid connector system which replaces multiple fragile tails and connectors. Signal integrity is maintained by high quality components that assure superior conductivity and reliability. And the 19 contact arrangements available from AV2000 allow each cabling system to exactly match the equipment requirements.

At last, the final area of complexity in multi-media systems has been simplified and the durability of the cabling system is increased to eliminate another area of concern.

Simplicity, durability and freedom from interconnect error - what more can you ask for?

# AV2000 Simple Multi-Media Cabling

Just three components comprise the AV2000 simple multi-media cabling system. Access Points, Umbilicals and Links. By choosing which of these individual components are most suited to each application, the convenience, durability and simplicity of AV2000 can be confidently integrated into each system, every time.

## AV2000 Access Point

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Chassis type AV2000 connector, pre-mounted on gang, rack, wall or floor box panel and terminated with individual signal cables for wiring into your multi-media system.



AV2000 Access Points are available with short tails or with longer lengths of cable for direct installation to the systems components. All tails can be terminated to meet system requirements or left blunt cut for long cable installations.

This convenient access to your multi-media cabling system requires very little panel real estate, as one connector replaces many. This error free plug-in is simple for the user and reduces service calls due to mis-connections. AV2000 Access Points can easily be retrofitted into existing system wiring by use of short pre-terminated tails on the rear to connect to cabling already in place.

## AV2000 Umbilical

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Flex wrapped cable assembly terminated on one end with a line type AV2000 connector and on the other end with a connectorized fan out.



AV2000 Umbilicals are custom manufactured in the length of flexed assembly and tails best suited to each

system. Tails on the fan-out are terminated with specified connectors as required or can be left blunt cut for field termination..AV2000 Umbilicals are designed to install directly into the system rack or podium

Installation time is reduced to a minimum, saving valuable time and money. These durable assemblies are not only easy to use for the end-user but also serve them far better than the alternative – a mass of small, fragile tails which are prone to damage and mis-plugging. An AV2000 Umbilicals are selected most often as the cable assembly between a multimedia system (lectern, podium, roll-around cart etc) and AV2000 Access Points.

## AV2000 Links

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Flex wrapped cable assembly terminated on each end with line type AV2000 connectors.

AV2000 Links can be made to any practical length and are used as an extension to an AV2000 Umbilicals, or where an AV2000 Access Point is designed into the lectern. An AV2000 Link is used between the Access Point in the floor and the Access Point in the lectern.

Most often used to connect between two AV2000 Access Points, AV2000 Links can also be used if an umbilical needs to be lengthened for a special event or if the room is re-configured and the multi-media system moves further away from an AV2000 Access Point.



## Added Convenience

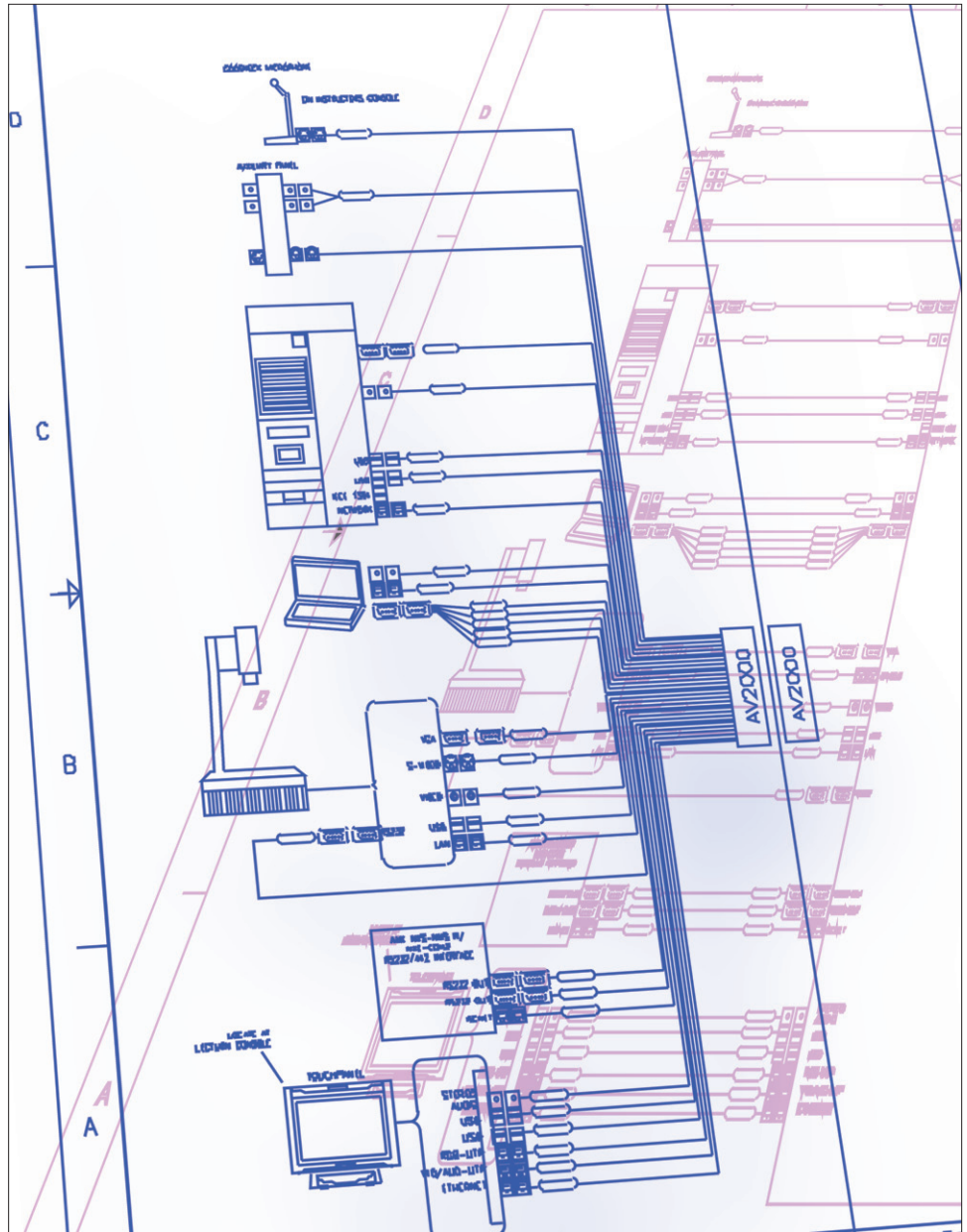
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For extra convenience, Wireworks will also supply all the panels needed for your AV2000 installation. Our Perfect Custom Panel or LumaVue programs are the ideal companion and provide the easy mounting solution for AV2000 Access Points.



### Features Overview

- Simple – The simple solution for the installer and the end user
- Simple to design – Use AV2000 in place of multiple cables and connectors
- Simple to specify and quote – Let Wireworks know what you need to do – we will answer questions and provide a fast quote
- Simple to install – Assemblies are supplied ready to plug-in and use
- Simple to use – One error free connector in place of many
- Retrofit - Convenient assemblies make updating an existing system a breeze
- A secure latching system prevents accidental disconnecting
- Neat – Ends the clutter typical of multiple connector interconnect panels
- Small – Saves on the panel space needed for integrated systems
- Custom designed – Assemblies are configured exactly for your systems requirements
- Time saving – Install time and subsequent interconnect use is reduced to a minimum
- Reliable – Eliminates numerous individual connectors that don't have the duty cycle and reliability of AV2000
- Easy – Easy to design, specify, install and use





# AV2000 Simple Multi-Media Cabling

## Features Overview

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- Customized - Components are customized for cable complement, length and tail termination to fit each system requirement
- Access Point and Umbilical Tails - Every cable will be supplied correctly terminated for your system requirements
- Latching Systems - Choice of latching systems for positive connections – no accidentally disconnecting
- Nylon Mesh Jacket - To protect the cables from damage and tangling, they are safely enclosed in a high impact nylon mesh outer sheath .
- Cosmetic Appeal - Careful, professional factory construction gives each AV2000 component the cosmetic appeal to compliment the complete system
- All AV2000 Assemblies are covered by Wireworks Lifetime Warranty against defects in materials and workmanship

## The AV2000 Connector

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The specialized multi-contact connectors used for AV2000 multi-media cabling utilize high quality materials and design principles chosen to prevent degradation of your signals – whether they are audio, video, data or control. They are housed in rugged cast metal shields that incorporate a strong cable retention design and accommodate a wide range of cable diameters.

360 degree clamping prevents any strain transferring to the contacts inside the connector housing, providing durability and longevity of the finished assembly. Keyways cast into the connector shells prevent attempts to mis-mate the connectors. The insertion/withdrawal rating of the AV2000 connector assures you of a lifetime of trouble free use.

Sixteen gauge contacts, used for audio, data and control signals, are precision formed brass pin and socket contacts with a special gold plating to insure high conductivity. Mating entry is closed-ended to prevent damage from stubbing due to misalignment. The contacts are designed for crimp termination and double crimp to

both the conductor and to the conductor jacket, giving a true and secure termination.

Coaxial contacts are designed with the signal in mind. Different size coaxial contacts are available to allow for the use of a wide range of coaxial cables. They are gold plated to the same exacting standards as the 16 gauge contacts. The coaxial contact is a triple crimp contact; the center conductor is securely crimped at the same time as the shield and the jacket. This provides a strong mechanical termination while preserving the precision that the coaxial cable requires.

Both the sixteen gauge contacts and the coaxial contacts are inserted, after termination, into the appropriate module where they are held in place by stainless steel retaining springs and ‘float’, allowing for correct contact positioning and mating every time.

Nineteen different contact arrangements allow your systems requirements to be easily met.



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