



## FiberPlex Solutions Guide

Choosing the right tools for your market-specific applications is critical to your success - especially today. This solutions guide helps you zero-in on exactly what FiberPlex can provide.

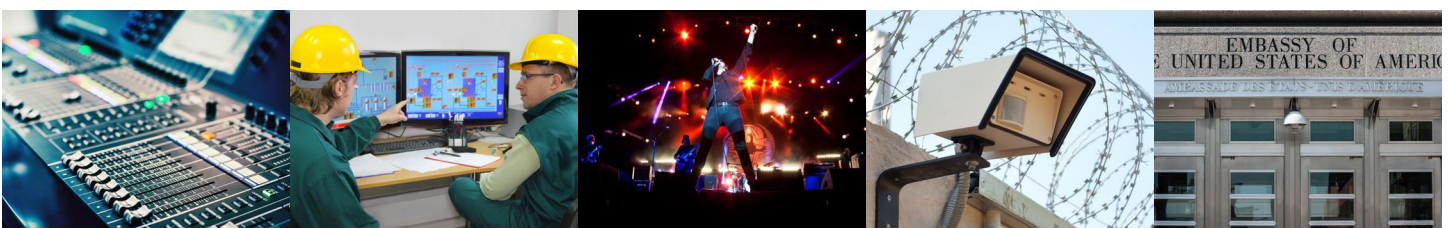
### Applications/Markets Matrix

Simply find your market and cross reference your application to determine if FiberPlex has a solution for you.

See reverse side for detailed information on the markets and applications FiberPlex serves.

	Broadcast	AV Installation	Live Production	Hospitality	Education	Manufacturing	Energy	Maritime	Transportation	Healthcare	Finance / Corporate	Defense / Government	C5ISR*	IA (Information Assurance)
<b>Campus/Distance Connectivity</b>	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
<b>Security</b>		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Telecom</b>				✓	✓	✓		✓		✓	✓	✓		✓
<b>Big Data</b>	✓			✓	✓	✓		✓			✓	✓	✓	✓
<b>Audio Video Transport</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>VTC</b> (Video Teleconferencing)		✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	
<b>SCADA</b> (Supervisory Control and Data Acquisition)						✓	✓		✓	✓				
<b>Secure Comms / SCIF</b> (Sensitive Compartmented Information Facility)				✓	✓					✓	✓	✓	✓	✓
<b>EMC/EMI/RFI Testing</b>						✓				✓				
<b>Custom Solutions</b>	✓			✓		✓	✓	✓	✓			✓	✓	✓

*Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance and Reconnaissance*



## Markets We Serve

Broadcast	A/V Installation	Live Production	Hospitality	Education	Manufacturing	Energy
FiberPlex has supported audio and video transport for some of the highest profile sports broadcast events. We supply simple yet reliable tools for transport and extension of broadcast signals.	Hundreds of Houses of Worship, Performing Arts Centers and theaters have benefited from FiberPlex technology. From multichannel audio to video and IT infrastructure we have the solutions that make things work.	The light weight and durable nature of fiber optics makes FiberPlex a natural choice for the Live Production market. Cost savings, improved performance and gear consolidation are just a few of the benefits.	The infrastructure demands on Luxury facilities is growing exponentially. Higher quality video, IT bandwidth demands and protection of guest sensitive information are problems that FiberPlex has solutions for.	Universities and K-12 are benefiting from the cost savings of FiberPlex technology. While bandwidth is at a premium, FiberPlex helps to maximize usage of existing infrastructure and legacy hardware while expanding capabilities.	From the protection of sensitive IP to upgrading communications to offering noise immunity on the production floor, FiberPlex has solutions for every department in the manufacturing plant.	Whether it's Green Energy technologies, Oil, Gas or Mining, FiberPlex has products to support the rigorous demands of the Energy Industry. From SCADA collection to perimeter security we have you covered.
Maritime	Transportation	Healthcare	Finance/ Corporate	Defense/ Government	C5ISR	IA (Information Assurance)
The FiberPlex Brand has a long history of supporting US Maritime operations. Light weight and secure, fiber optic technology just makes sense for both shipboard and land based applications.	Rail systems, mass transit and aerospace all have high reliability and mission critical demands. Accurate real time signaling along both railways and runways, on-board coms and control center data applications can find solutions with FiberPlex.	Regulations on data confidentiality have never been tighter and fines for violations have never been higher. FiberPlex has solutions to protect you. In addition, our fiber optic solutions are a perfect fit for sensitive Radiation facilities and operating theaters for coms, video and data.	Lightning fast trades, sensitive client data and corporate IP protection all rely on fiber optics for tier one infrastructure. FiberPlex has solutions to bring your organizations securely into the future.	For over a quarter of a century the FiberPlex brand has supported Defense and civilian Government programs worldwide as a trusted source of high reliability secure fiber transport.	Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance and Reconnaissance along with IA are the backbone and root of all FiberPlex product development. Mission critical support and security are first and foremost in all new and historic FiberPlex designs.	In these days of heightened awareness of cyber-attacks and compromised data, FiberPlex plays its part by securing data and communications on the hardware level by suppressing compromising emanations.



## Applications

<b>Campus/Distance Connectivity</b>	<ul style="list-style-type: none"> <li>Connecting data, audio, video, telecom infrastructure between buildings or campus locations</li> <li>Extending the useful distance of copper based signals</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>Uncompressed HD perimeter monitoring</li> <li>Secure transport of alarm sensors, door closures, perimeter sensors</li> </ul>
<b>Telecom</b>	<ul style="list-style-type: none"> <li>Extend the range and multiplex all telecom standards</li> <li>Digital link extension for secure communication networks</li> </ul>
<b>Big Data</b>	<ul style="list-style-type: none"> <li>Large data backbone multiplexing</li> <li>FTTx connections</li> </ul>
<b>Audio Video Transport</b>	<ul style="list-style-type: none"> <li>Mult-channel audio, audio plus control</li> <li>Analog, 3G and 4K video conversion</li> <li>Multidrop audio and video distribution</li> </ul>
<b>VTC (Video Teleconferencing)</b>	<ul style="list-style-type: none"> <li>Support for secure encrypted VTC transport</li> <li>Non-secure IP, ISDN and serial interfaces</li> <li>Audio and Video distribution</li> </ul>
<b>SCADA (Supervisory Control and Data Acquisition)</b>	<ul style="list-style-type: none"> <li>Sensor collection and extension</li> <li>High EMI/RFI/EMP noise rejection</li> <li>Video monitoring</li> <li>Facility Automation</li> </ul>
<b>Secure Comms / SCIF (Sensitive Compartmented Information Facility)</b>	<ul style="list-style-type: none"> <li>SCIF (Sensitive Compartmented Information Facility) Waveguide penetrations</li> <li>Cross Domain Solutions</li> <li>All comms, data, audio, video conversion for black/red separation</li> </ul>
<b>EMC/EMI/RFI Testing</b>	<ul style="list-style-type: none"> <li>Waveguides for pre-terminated fiber penetrations</li> <li>Test equipment and data transport in and out of test environment via fiber</li> <li>Video monitoring</li> </ul>
<b>Custom Solutions</b>	<ul style="list-style-type: none"> <li>Custom engineered solutions available</li> <li>System integration and design assistance</li> </ul>