

High Power



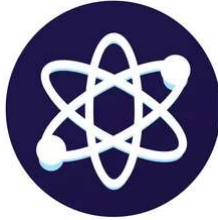
High power coaxial cables balance electrical performance with mechanical and thermal properties to ensure maximum power transfer efficiency and reliability. When combined with optimized connector designs, high power interconnects provide loss and high thermal performance.



Wafer Fab Equipment



Directed Energy Weapons



High Energy Physics



Industrial RF Energy

High Power Applications

Referring to applications as high power often encompasses three types of power applications: high current, high voltage, and high power.

- **High current:** High current is often found in industrial applications like semiconductors and can approach fusing currents of conductors or generate “hot spots” due to high resistance contact points.
- **High voltage:** High voltage is found in energy storage applications of high power and fractional duty cycle applications. Voltage arcover and partial discharge failures cause carbonized conductive paths leading to catastrophic failure.
- **High power:** High power is usually found in aerospace applications like electronic warfare countermeasures. The most common problem is thermal management and dissipation of excess energy lost due to signal attenuation. High voltage applications are primarily limited by the ability to dissipate heat.

Popular RF Interconnects for High Power



Upcoming Tradeshows

A promotional banner for the Satellite 2024 Conference & Exhibition. The background is dark blue with a faint image of a satellite and solar panels. The text is white and orange.

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1105

Product Spotlight

[StripFlex[®]](#) cable assemblies combine versatility and balanced performance. High shielding effectiveness and low loss make these cable assemblies ideal for applications with a wide temperature operating range.



Learn more about StripFlex cable assemblies

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Q: Where are high power cable assemblies used?

A: High power cable assemblies are used in military, telecom, healthcare, and many other advanced industries to enable communications and deliver the high power required to operate a broad range of electronics systems. The most common high power RF applications involve levels of continuous wave (CW) energy.

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