



60 Years of Mission-Critical Space Solutions

ITT Cannon - the ultimate solution provider for your mission-critical interconnect needs. Whether you're launching into orbit or venturing deep into space, our unrivaled experience and innovative approach ensure that you receive top-of-the-line interconnect solutions, providing high-performance and unmatched reliability.



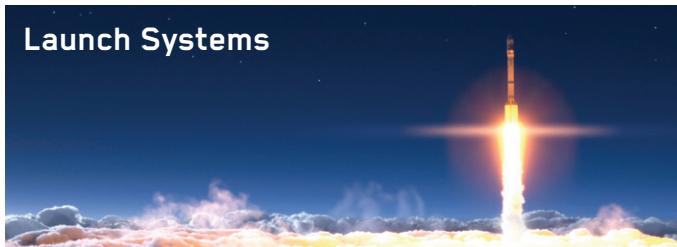
At ITT Cannon, we pride ourselves on our unwavering commitment to partnering with our customers through collaboration, innovation, and manufacturing of high-engineered connectors and cable assemblies for your mission-critical space applications. Our comprehensive knowledge of interconnect requirements empowers us to deliver robust connectivity solutions, from high-temperature cables and umbilical interconnects for propulsion systems, to Zero-G space connectors for interstage separation, and miniaturized solutions for high-speed image and data transmission from lower orbit to Mars and beyond. With our cutting-edge designs and engineering process, we make it possible to seamlessly transfer critical data, signal, and power. Trust ITT Cannon to take your mission-critical applications to the next level.

WHY CANNON?

- Providing Space interconnect solutions since 1962
- Solutions for Low Earth Orbit (LEO) to Highly Elliptical Orbit (HEO) and beyond
- Robust portfolio that complies with US (NASA EEE-INST-002), European, and international specifications
- High bandwidth and EMI tolerant solutions for secure power, signal and data transmission
- High temperature connectors and cable molding for launch and engine systems
- Custom interconnect solutions tailored to any application requirement

Propulsion Systems | Flight Attitude Control | Display Systems
Environmental Controls | Guidance and Navigation
Vehicle Control | Payload Systems | Power Distribution
Data Link Systems | Avionics

Launch Systems



Spacecraft



Satellites



Exploration Vehicles



Featured Space Solutions

cannon



D-Subminiature / NASA S311P

- Mixed Signal / Power, Crimp, Solder, PC Tail, Filter, and Hermetic
- Non-magnetic and non-outgassing layouts
- Standard or double density
- Stainless steel qualified M24308



KJ Series Class G (38999-style)

- Meets thermal vacuum outgassing requirements
- Mixed layouts for co-processing of signal, RF, and Power
- High density with up to 128 contacts and EMI shielding
- Wall mount, box mount, straight plug and jam nut



Nano Series

- Designed per M32139 specifications
- PCB or cabling with 9-51 contacts
- .025" contact spacing
- 1 amp contact rating



KJ Series (38999-style)

- High density contact configurations
- Vibration and space saving with dual flange & COTS panel mounts
- Fiber Optic, Hermetic, Filter, OctoGig, Twinax, & QuadraX layouts



Micro / MIL-DTL-83513

- High Temperature (+230°C)
- Standard and low profile configuration
- Mixed power, coax and signal layouts; COTS & M83513
- High current and voltage layouts
- Five points of electrical contact



MKJ Series (miniature 38999)

- Meets outgassing and residual magnetism requirements
- High-density, miniature footprint
- UNC thread, double start, triple start, bayonet, breakaway and clip lock latching



High Speed Termini

- QuadraX, OctoGig™, RF, Twinax, Fiber, HDMI, and USB 3.0
- Rapid data from Cat5, 10Gb Ethernet, and HDMI
- Integration in Cannon's reliable circular and blind-mate, rack and panel solutions



Fiber Optics

- Full range of termini integrated in Cannon's M29504, D38999, M28876, Jewel, NGCON, DSUB, Micro, PHD, MKJ and ARINC solutions
- Complex wire harnesses and cable assemblies



KPD Series / MIL-DTL-26482

- Design per VG95238, MIL-DTL-26482 and NASA 40M specifications
- 10 shell size and robust plating options
- 40 layouts from 2 to 61 contacts
- Sealing up to IP67



MIL-DTL-5015 Class G Firewall

- Designed per MIL-DTL-5015
- Flammability rating of +1093°C (+2000°F) 20 minutes.
- Positive interfacial sealing
- Optimal self-locking coupling nut
- Rugged metal clip retention system



No and Low Profile Solutions

- High density, pogo pad solutions with magnetic, breakaway, spring probe or screw-lock coupling designs.
- High mating systems and sealing level



HDx® Series

- High density, small form factor
- Break-away or threaded locking coupling
- High speed data - USB® 3.1 Gen1 up to 5Gbit/s, Ethernet up to 10Gb/s, HDMI® up to 8.16 Gbit/s
- Custom cable assemblies and configurations

High Speed and Voltage Termini | Filter and Hermetically Sealed | Cable Assembly

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