

Interconnect Solutions for Space Industry Standard Ranges & Specific Expertise



Features & Benefits

Controlled Processes, Qualified Products ISO9001: 2008 and AS9100:200 certified sites.

NASA GSFC, ESA ESCC as well as MIL qualified products. Customer support from concept definition to validated products delivery.

MATURE pro

RELIABLE

Serving Space for More Than 50 Years Umbilical link between the launch vehicle and the launch pad provided since the beginning of the conquest of space. Mission proven solutions on satellites, space station and space vehicles.

Specific Know-how on Space

EXPERT

Understanding of space environment constraints such as cosmic corrosion, material outgassing, magnetic susceptibility and extreme temperatures.

In house design, production as well as tests capabilities.

LARGE OFFER

One-Stop Shopping for Interconnect Connectors, contacts, backshells, liners w/wo overbraid for a complete and reliable interconnect solution.

Multiple Solutions for Multiples Uses

VARIOUS PURPOSES Standard or quick connect/disconnect. Circular or rectangular profiles. Copper or fiber optic contacts. Hand or robotic operation.

Typical applications



Space Station



Operations in Space





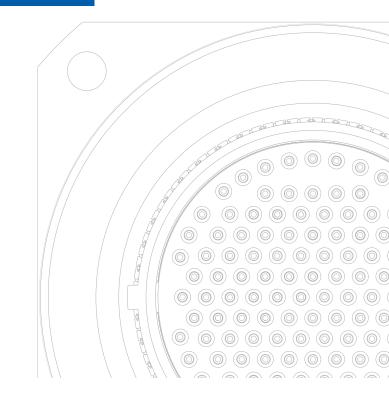
Transportation Vehicles



Launchers



Space Mission



Interconnect Solutions for Space Industry Our Offer

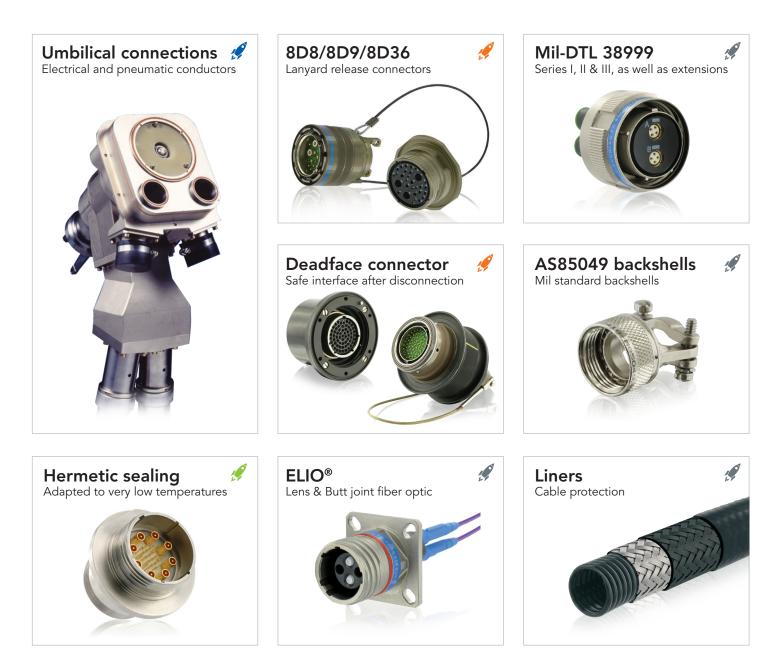
On launchers



Interconnect solutions used on a launcher usually operate on a shorter life cycle, as opposed to solutions mounted on orbital payloads. However, they have to perform extremely quickly and securely in a demanding environment, especially in terms of vibrations.

Our offer in four categories:

- 🖋 Umbilical connections, to link the launcher to the pad, with specific ejection technologies
- 🖋 Interstage and lanyard release connectors
- Hermetic sealing adapted to cryogenic temperature uses
- Aviation, Military or Space standards qualified products



Interconnect Solutions for Space Industry Our Offer

On deep space equipment



Our products designed for deep space have the commonality to be capable to withstand use during an extended period of time in the very specific space conditions.

Our offer in three categories:

- Interconnect derived from industry standards, and qualified per ESA/ESCC, NASA/GSFC or MIL standards
- st Interconnect adapted to robotic use, with an eased connect/disconnect operation
- 🦋 Mechanism to backup legacy actuators

On top of that, we have the capability to assist you to bring a product up to space level requirements, with appropriate qualification and quality system.



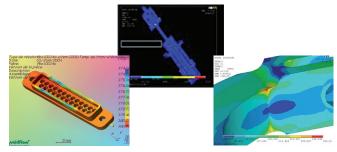
Interconnect Solutions for Space Industry Our Expertise

Thanks to more than 50 years of experience in the space industry, we have accumulated a very rich knowhow to support our customers.

This expertise goes from product definition to solution validation and stringent production processes, to follow our motto: *reliable people, reliable solutions!*

Product definition

- Material Choice: Atomic Oxygen corrosion resistance, cold welding prevention, limited outgassing, etc.
- Product design: expertise on launching systems design as well as robotic operated connections
- Knowhow to support specific needs



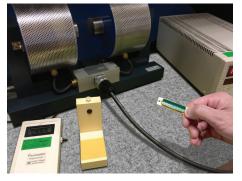
Stress and heat dissipation analysis

Validation & qualification

- In-house certified independent laboratory
- Capability to simulate various environments as well as to measure any key parameters



Vacuum bell for robotic operating testing -170°C/+200°C temperature gradient



Magnetic permeability measurement



Binocular controls

Production processes

- Stringent production process
- Controlled environment
- Binocular inspection
- Rigorous traceability procedures and documentation



Clean Room handling

Reliable People, Reliable Solutions



www.souriau.com technical.emear@souriau.com (Europe - Asia - Africa) technical.americas@souriau.com (North America)

