

Interconnect solutions for motorsports

When every
millisecond counts
toward victory

EATON

Powering Business Worldwide

RAYFAST 
part of the INTERCONNECT SOLUTIONS Group

Performance winning innovations



Motorsport competition is tough. When every millisecond counts toward victory, optimize performance with innovative interconnect solutions.

Within motorsports, more and more electronics are being installed. Data collected from sensors is essential for insights to predict outcomes and optimize equipment, making reliable connectors more important than ever.

Souriau 8STA series connectors are reliable and designed for speed - on or off the road. They can withstand exposure to shock, vibration, harsh fluids, humidity and extreme temperatures. There is limited space for electronics and weight reduction is critical for success - that's why our connectors are smaller and lighter.

In the world of two and four-wheel motorsports, our connectors offer a competitive advantage and enhanced safety features to protect the driver.



Circular connectors meet the spec for racing

Our connector solutions are used for sensors and electronics systems in applications such as engine management, data acquisition, steering wheel systems, telemetry, fuel tanks and hybrid energy recovery systems.

In key applications our solutions offer a competitive advantage, providing reliable full-electrical signal performance in all conditions.

Fuel systems

Mastering fuel equipment performance and efficiency is key, both on the track and in the pit. Data acquisition in the field requires specific equipment to have excellent resistance to racing fuels and fluids. The Souriau 8STA series offers superior anti-corrosion properties and can withstand pressure differential without loss of electrical performance.



Sensors

Sensors are instrumental to acquiring data and solving performance issues in the field before, during and after a championship race. The Souriau 8STA series is widely used in motorsports to support the test and calibration of sensitive settings inherent to racing vehicles.



Control, data, and harnesses

The best components and harnesses that support data and control equipment are required to achieve success. Our engineers can provide the technical knowledge to support system integration to reach the highest performance level for each piece of equipment.



High voltage

Safety is extremely important for people who work around the high-voltage environment in motorsports. The Souriau 8STA series is designed to be used in the most demanding situations in terms of critical current endurance when activities must be completed quickly.





Specifically designed for motorsports

The Souriau 8STA series is a highly reliable micro miniature circular connector with a quick mating system dedicated to motorsport applications. Our connectors are derived from international military standards, naturally designed to withstand high levels of shock and vibration in harsh environments.



- Integrated backshell to facilitate the implementation with heat shrink boot
- Grommet and interfacial seal withstand motorsport fluids
- Quick bayonet locking – 1/3 turn to mate
- Self-locking coupling mechanism
- Secure mating with audible click and visual color indication
- Complete range – 13 shell sizes from 01 to 24
- Signal, power coax and concentric twinax contacts
- More than 100 contact layouts

We leverage our extensive product offering and motorsport expertise to co-engineer reliable solutions to outperform the competition. And, upgrades are easy with our connectors because they are interchangeable with existing products.

Available when and where you need them, our worldwide distributor network maintains connector inventory, providing superior service and support to customers.