

# Fiber Optic Interconnect Solutions



**Esterline**  
Connection Technologies

**SOURIAU**

# SOURIAU

## in the Optical Market

Today's technology is more and more complex, requiring the management of an increasing flow of information at greater speeds combined with the necessity to save weight.

In response to this need, SOURIAU offers a wide range of fiber optic solutions for high speed networks in harsh environments.

Fiber optic is the best solution when high data-rate, EMI immunity and weight savings are required. Our solutions can handle data speeds up to several Gbit/s thanks to its excellent optical performance in the most severe environments.

Its unique user-friendly design and its versatility account for the selection of SOURIAU by major customers in various markets for their fiber optic applications.

## SOURIAU Values

**QUALITY & EXPERTISE**

**USER FRIENDLY**

**ROBUST & FIELD PROVEN**





**UTS MPO**  
Multiple fibers



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## Telecom Fiber Optic Connection

Easy handling for non-skilled workforce. Fit for rapid deployment.  
Long outdoor life expectancy. No need for specific overmold.



**UTS LC Series**  
Dual fibers  
-40°C to 105°C  
IP68/69K  
UV resistance (F1 material)



### UTS Hybrid MU

4 fibers  
2 powers  
1 grounding



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## Telecom Hybrid Connection

Mix layout of fiber optic (MPO/MU) and copper conductors: the solution for a quick and reliable installation or retrofit of Fiber to the Antenna equipments.



### UTS Hybrid MPO

Multiple fibers  
2 powers  
1 grounding



### UTS

Plastic connector  
Bayonet coupling  
From 3 to 23 contacts  
-40°C to 105°C  
IP68/69K  
UV resistance (F1 material)



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## General Industry

Flexible hybrid design: the new optical termini for glass fiber that performs in electrical standard cavities. Combined with the UTS, UTL or UTO, the new optical termini is a robust solution and can be used in a large scope of industrial environments.



### UTL

Plastic push-pull connector  
4 to 8 contacts  
-40°C to 105°C  
IP68/69K



### UTO

Metallic shell, bayonet coupling  
3 to 19 contacts  
UL 1977 & IEC 61984 compliant  
IP68/69K



**38999 Composite ELIO®**  
7 optical layouts  
Lightweight shell  
User friendly



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## Aerospace

ELIO® EN4531 Termini is the favorite Airbus fiber optic solution. Easy to clean, easy to maintain. Excellent stable optical performances. No tool needed for insertion/extraction. Sealed contact without backshell (IP67). Fits also in #8 electrical cavity.



**ARINC 600 ELIO®**  
3 shell sizes  
Rackable and modular connector

**Backshell & Harness ELIO®**  
SOURIAU has developed dedicated solutions to ensure the best optical performance and offers support from design through manufacturing



**micro38999 ELIOBEAM®**  
Single contact  
Bayonet or screw coupling  
High vibration withstanding



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## Engine & Sensors

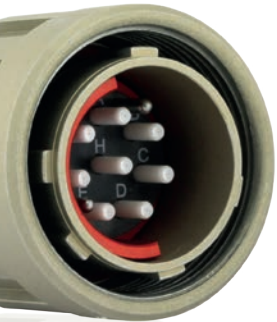
ELIOBEAM®: the optical connection requirement for environmentally exposed mating cycles. The beam expansion at the interface provides protection of the fiber from contaminants. ELIOBEAM® can be mounted in all standard EN4531 cavities.



**ARINC 600 ELIOBEAM®**  
3 shell sizes  
Rackable and modular connector



**38999 ELIOBEAM®**  
7 optical layouts  
Robust and field proven  
A large connector range:  
platings, specific shells, ...



**838 ELIO®**  
8 contacts  
Screw coupling  
Coding by ring orientation



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## Railway

Field proven solution: ELIO® contact used over 15 years.

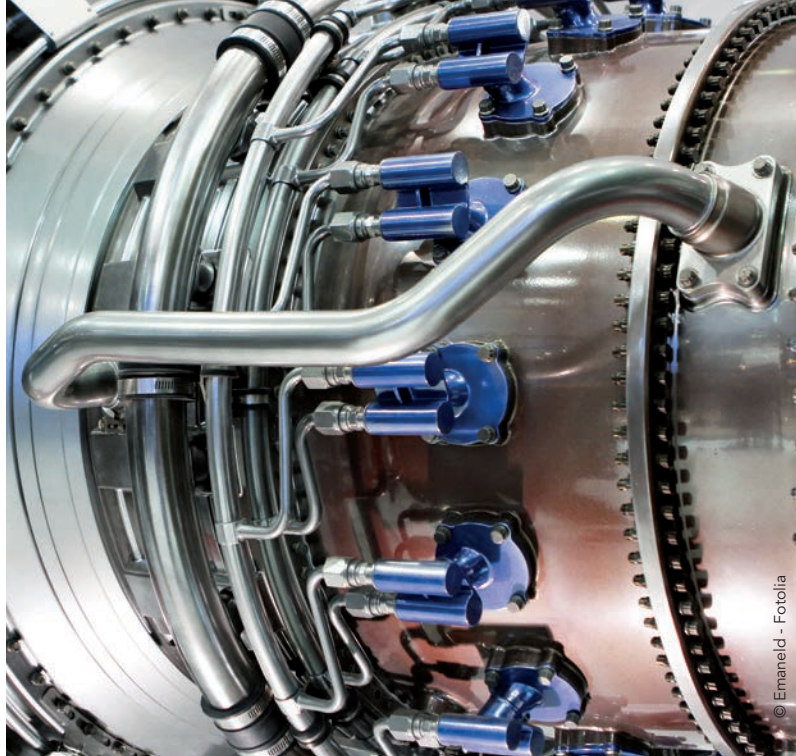
Standard railway connector shells. tested according to railway standards following EN50467.



**VGE1 ELIO®**  
2 to 12 contacts  
Reverse bayonet locking  
IP67 with appropriate backshell  
100 mating cycles



**Optical Patchcord**  
Design your optical patchcord over more than 500 termini and cable mix

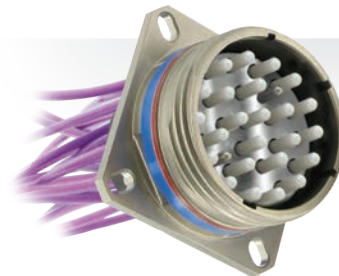


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## Custom Solutions

The dedicated R&D optical team supports your specific needs from preproject to full industrial release with adapted solutions: technical and economical analysis with the customer, design and development of optical solution, deployment support (work instructions, field training, or the installation procedure) and robust after-sales support.

There is a strong relationship between the optical connector, fiber termination and harness assembly; thanks to its in-house fiber optics assembly line, SOURIAU supports you from the design stage to supplying a wide range of fiber optic assemblies.



**Hermetic Fuel Tank**



**Lanyard Release**

## Our Differentiators

### ■ QUALITY & EXPERTISE

Decades of know-how and expertise have allowed SOURIAU to become a key partner to fiber optics equipment and harness manufacturer from pre-development to fully industrialized solutions.

SOURIAU proposes high performance connectors: waterproof, shock and vibration resistant, mix power and optical signal, extreme temperature resistant are ones of SOURIAU connector benefits.

### ■ COMPLETE INTERCONNECT SOLUTION

From fiber optic termini, connectors to cable assemblies, SOURIAU offers a scalable range and support.

### ■ ENVIRONMENT & SAFETY

Compliance to international standards UL, IEC, RoHS, REACH, EN, MIL, IRIS, JR....



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## SOURIAU: A High Service Level

Worldwide Availability: A Global Network with Local Presence to Serve our Customers



*Reliable People, Reliable Solutions*

*Reliable People, Reliable Solutions*



**SOURIAU**

**www.souriau.com**