

Superior backshell, wire protection and accessories



SUNBANK'S EXPERTISE & EXCELLENCE

SPACE & WEIGHT SAVING

HIGH VIBRATION PERFORMANCE

ELECTROMAGNETIC SHIELDING

ENVIRONMENTAL WIRE PROTECTIONS

FOD AND SHOCK PROTECTION

CONTINUITY AND SALT-SPRAY RESISTANCE

MODULARITY

AERONAUTIC CONNECTORS



SUNBANK Values

RELIABILITY

TECHNICAL EXPERTISE

PROVEN DESIGN

A large jet engine is the central focus of the image, shown from a low angle looking into the fan. The engine is white with a blue and white logo on the fan. The background shows the interior of a hangar with other aircraft parts and equipment.

SUNBANK in the Aerospace Market

For over 50 years Sunbank has been supporting the interconnect market by designing highly reliable connector accessories and flexible conduit assemblies for harsh environments.

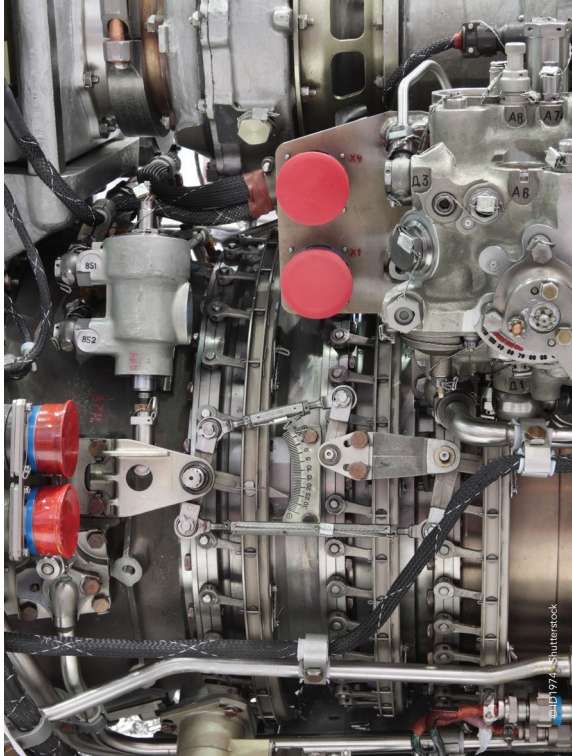
We proudly provide solutions for Aerospace, Defense, Marine, and Industrial power and signal interconnect markets, worldwide.

Joslyn Sunbank Corporation is a vertically integrated manufacturer. Our capabilities include engineering, die-casting, brazing, machining, plating, braiding, and assembly operations.



Thin wall rectangular backshell

Aluminum conductive shell
As light as composite design
Various cable entry options



Space and weight saving

Backshells specifically designed to optimize mass reduction and space savings

Lightweight solution integrating low profile or thin wall design

Provides easier access to the wire routing in limited spaces

Developped for thight space where strain relief is required in light duty areas



Single arm backshells

Meets or exceeds AS85049 requirements

Self locking coupling

Ground Lug option with electroless

Nickel plating



Self-seating technology

Patented locking system
Exceeds standard shock/
vibration criteria
AS85049 qualified



High vibration performance

Robust solutions for harsh environment

Specific inner coating to reduce internal roughness
Patented locking mechanism to secure the assembly
Strain relief backshells for mechanical strength



Strain relief backshell

Mechanical wire retention
Available in aerospace grade material designs
Drilled head screws available



PTFE inner coating

Avoid wire chafing and short-circuit
Selective protection possible
For applications up to 200°C / 392°F



Shielding accessories

Standard and mini bands

AS85049 qualified

Banding tool available

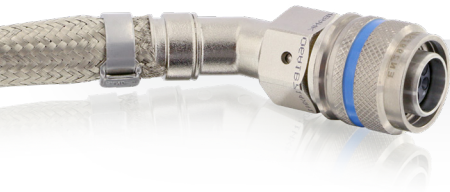
Electromagnetic shielding

EMI/RFI solutions to secure your cable harness

Several backshell - braid attachment solutions

Build-to-spec shielded conduit systems

Wide range of shielding materials to fit your requirements



Flexible shielded conduits

Qualified on major landing gears

Multiple EMI shielding options

Application specific adapters



EMI backshells

Single or dual banding platform

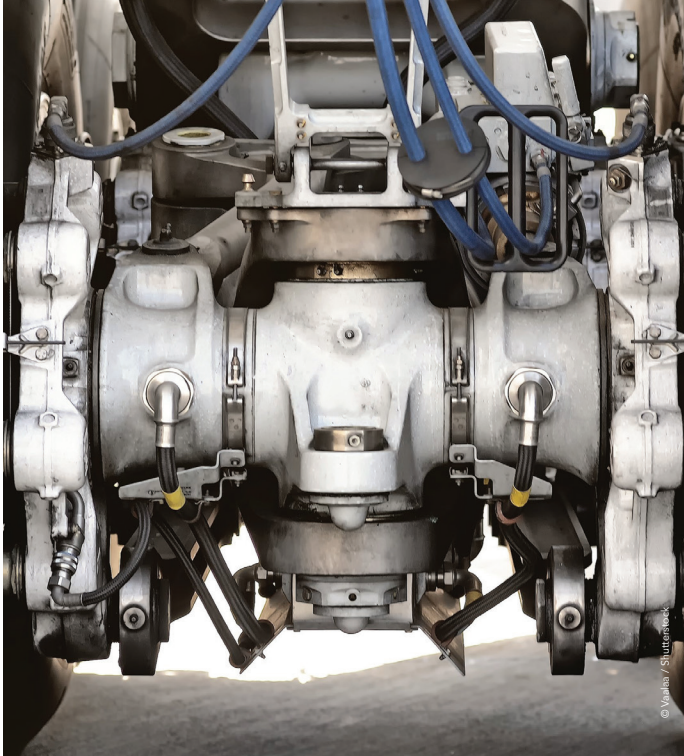
EMI and environmental solutions

Strain relief and EMI/RFI adapters



Outer jacket options

Up to 230°C resistance
Protection against fuel,
cleaning & de-icing fluids
Overall sealing



Environmental wire protections

Flexible conduits for wire protection in harsh environments

Fire-resistant braids made of patented materials

Jackets to protect the wiring system from exposure to chemicals

Thermoplastic liners that offer crush resistance and flexibility of the system



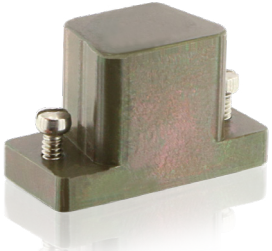
Multi-layer designs

Helix wire option for crush resistance
Metallic braid against EMI or abrasion
Braid or jacket for outer conduit protection



Adapters and transitions

Multi-way transitions
Bulkhead and feedthrough adapters
Connector fittings



Rectangular caps
For D-sub connectors
Lightweight aluminum
Conductive plating



FOD and shock protection

Connector caps

Aluminum caps qualified to most Military specifications

Multiple attachment and lanyard options

Screw or bayonet coupling mechanisms



Attachment solutions

Chain, Nylon or wire rope

Retaining ring or eyelet

Safety wire hole option



Sealing gaskets

Conductive gasket solutions

Fluid resistant rubber available

Accordance with Mil-R-3065

and Mil-R-25988



Nickel PTFE plating

ROHS compliant
Available for aluminum and
composite material
Up to 2000h salt spray



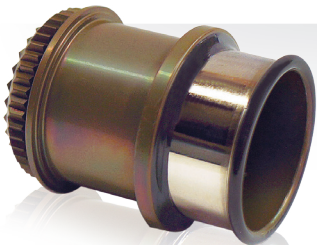
Continuity and salt-spray resistance

High performance materials and platings

Aerospace grade metallic and composite materials

Mil-spec qualified on various finishes

Stainless steel material available



Selective plating solutions

Electroless nickel banding platform

Barrier sealant stripes

High corrosion resistant body

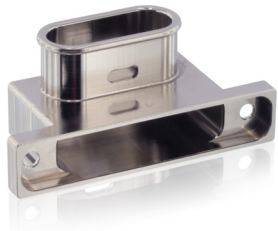


Composite plated backshells

2000 hours salt spray

Continuity < 2.5m Ω

AS85049 qualified



Micro-D backshell

Mates to Mil-C-83513

Thin wall design

EMI/RFI band termination



Modularity

Multi-configuration rectangular backshells

Large variety of cable entry locations to fit your cable assembly

Many entry styles adaptable on one same shell

EMI/RFI protection and mechanical strength of the system



D-sub backshell

Straight, 45° or 90° cable entry

Split or one piece body

Cable clamp, tie wrap or banding style



Arinc 600 backshell

Designed for shell size 2 & 3

Up to 11 cable entries

Compatible with standard circular adapters



Modularity

Allows the opportunity to build custom to certified interconnection solutions



Aeronautic connectors

A full range of standard and custom solutions.

Since 1917, SOURIAU designs, manufactures and markets high-performance connectors. SOURIAU connectors are designed to withstand the harshest environments including extreme temperatures, high vibration and corrosive fluids.

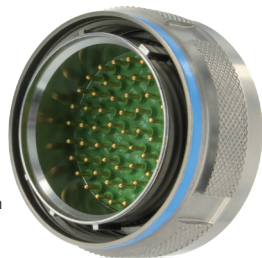


Weight saving

Composite connectors
High density layouts

Robustness

Superior strength in vibration
High temperature & corrosion
performance



Space saving

Designed for applications
where size is critical



SUNBANK

Connection Technologies

Reliable People, Reliable Solutions

www.souriau.com

