

Superior Backshell, Wire Protection and Accessories



Esterline
Connection Technologies

SUNBANK

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

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.

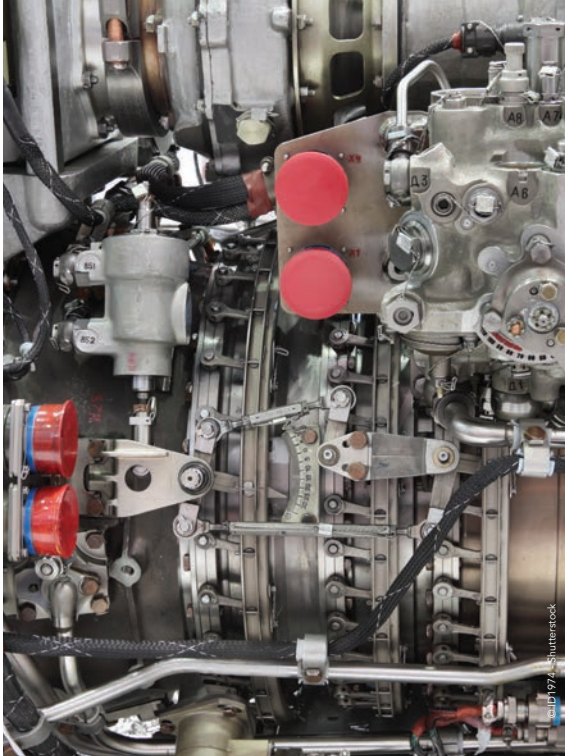
We proudly provide solutions for Aerospace, Defense, Marine, and Industrial power and signal interconnect markets, worldwide.

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



Composite backshells

Custom design and AS85049 qualified
Up to 30% lighter than Alu
EMI/RFI protection



Space and weight saving

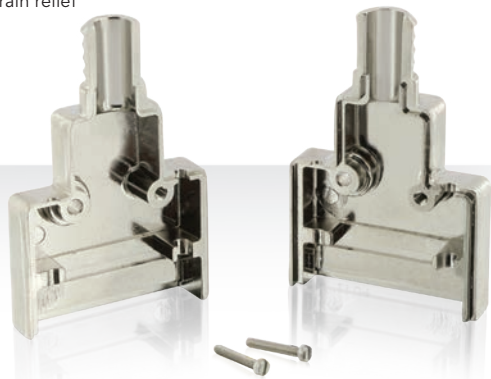
Backshells specifically designed to optimize mass reduction and space savings

Lightweight solution integrating low profile or thin wall design
Provides easier access to the wire routing in limited spaces
Developed for tight spaces where strain relief or EMI shielding is required



Thin wall rectangular backshell

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



Split backshells

Enhanced reparability
Ease of assembly
Circular & rectangular solution



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



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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



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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 < 2.5mΩ
AS85049 qualified



Micro-D backshell
Mates to Mil-C-83513
Thin wall design
EMI/RFI band termination



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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



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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



Reliable People, Reliable Solutions



SUNBANK

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