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
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
Developed for tight 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 < 2.5mΩ
AS85049 qualified
Micro-D backshell
Mates to Mil-C-83513
Thin wall design
EMI/RFI band termination
Modularity
Multi-configuration rectangular backhells

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.

Robustness
Superior strength in vibration
High temperature & corrosion performance

Weight saving
Composite connectors
High density layouts

Space saving
Designed for applications where size is critical