Backshells and Conduits
Reliable Interconnect Solutions
Typical applications

Aviation

Ground Military

Space

Industry

Ground Transportation

Military Marine
## Features & Benefits

### A Solution for all Your Needs

**EXTENSIVE RANGE**
From QPL to customer specific designs, from light weight composite to highly resistant stainless steel, SUNBANK provides a wide range of backshells and conduits to route your cables.

### Unique Backshell Locking

**SET & FORGET**
Conceived by SUNBANK, the self-seating mechanism is a design that prevents premature decoupling, even under the most severe conditions. No additional reinforcement needed.

### Flexible Conduit Solution

**EASY & VERSATILE**
Wires are directly inserted in the conduit for protection and routing. Easy change of the inside wiring compared with jacket or overmolded cables.

### EMI/RFI Conduit Protection

**SHIELDED**
Metallic braided shielding that coats the flexible conduit provides excellent EMI/RFI protection. Synthetic braided coatings are also available for abrasion protection purposes.

### The Way You Want it

**& MUCH MORE**
SUNBANK can also provide many other interconnect solutions such as connector dust caps, RFI/EMI accessories or transition accessories.
Backshells | Extended Harsh Environment Offering

**Large Termination Types**
- Banding Platform (w or w/o Heat Shrink Boot)
- Strain Relief
- EMI/RFI Shielding

**Various Materials & Plating**
- Nickel
- Cadmium
- Zinc Nickel
- Black Zinc Cobalt
- Nickel PTFE
- Black Anodized
- Passivated Stainless Steel
- Unplated Composite
- Marine Bronze

Materials: Aluminum  Stainless Steel  Composite  Marine Bronze

Consult "Build a Backshell®" on www.sunbankcorp.com for part numbers and drawings
Backshells | Extended Harsh Environment Offering

Various Standards

BACC10  AS85049  M28840
ABS1361  ABS1358
MIL DTL 38999

Various Shapes

Circular
Rectangular

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SUNBANK
Covers and Accessories | Extended Harsh Environment Offering

The SUNBANK brand covers a large variety of interconnect solutions to vector and secure cable routing. This includes connector backshells and covers, conduits, as well as many other accessories. The following presents some of the major product categories.

**Protective Covers**
- Protect unmated connectors from dust and moisture
- For bayonet and screw coupling connectors
- Available in various plating options
- Qualified to fit on MIL-DTL-38999, MIL C 5015 and Mil 83723 among many other connectors

**Shield Termination Band**
- Tightens the braid on the backshell
- Ensures excellent shielding continuity
- All related banding tools available

**Shield Support Ring**
- Link two metal braids\(^1\&\(^2\) by attaching them with a shield termination band\(^3\) on the support ring
- More reliable and repairable alternative to solder sleeve: no heat needed, no wire damage

**Transition Accessories**
- Provides a robust fan out on the harness in multiple directions
- "T", "X", "Y" types as well as many others
SUNBANK’s "Sunflex" flexible conduits enable a repairable and static/dynamic cable routing, while protecting the wires from mechanical and chemical stresses. Sunflex conduits offer various superimposed physical layers with each of the layers adding specific properties and functions to the routing.

**Liner**
- Helicoil design to allow multiple flexures
- Low smoke / zero halogen options

**Anti-abrasion Braid**
- Protective light weight polymer braid
- Enhances conduit tensile strength

**Metal Braid**
- EMI/RFI shielding,
  Multiple braiding layers option

**Environmental Jacket**
- Anti-moisture, Anti-fungus
- Fluid resistant, UV resistant

**Sunflex** conduits can either be supplied in bulk, un-wired or as a **fully wired assembly**. In this case, we can provide you the wiring adaptors and even the connectors for a "Plug and Play" solution.
Reliable People, Reliable Solutions

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