



## Fiber Optic Connectors

### The Cinch Advantage

#### F900 expanded beam fiber optic connectors

are fully compatible with Stratos S900 and Tyco Pro-Beam Senior legacy connectors.

Designed specifically for military tactical communications, the F900 connector is available with 2, 4 or 8 multimode or single-mode optical channels and can be supplied with aluminum or nickel aluminum bronze shells.



The connectors are terminated using an epoxy-polish ferrule termination process with standard fiber optic termination tools and equipment. The terminated ferrules are simply inserted into the expanded beam housing and fixed in place via a spring and cover-plate. Ferrule alignment to the lenses is achieved automatically by the unique optical arrangement developed and patented by Cinch-Fibreco.

In the event of the connector suffering severe damage in use, the connector design enables replacement of the expanded beam insert, connector front body and grip ring without the need to re-terminate the fibers. Typically, an expanded beam insert can be replaced within 30 minutes in field conditions.

The F900 expanded beam connectors offer high performance, flexibility and cost effectiveness, combined with a simple termination process allowing rapid in-field termination and repair where compatibility with legacy products is essential.

### Features

- 2, 4 or 8 Optical Channels
- Singlemode or Multimode
- Low insertion loss / high return loss
- Field terminable / repairable
- Hermaphroditic design
- Aluminum or Nickel Aluminum Bronze shell options
- Legacy product compatibility

