



## Applications

- Military / Defense
- Harsh Environment
- Shipboard
- Industrial
- Aerospace / Avionics

## Features

- Ruggedized assemblies
- Removable termini
- Precision channel alignment
- MIL-PRF-29504 compliant
- MIL-STD-1560 compliant
- Optical/electrical hybrid options
- Custom design options

## Benefits

- Increased durability
- Improved repair and re-polish capability
- Provide precise optical alignment and connection
- Versatile industry standard optical and electrical termini
- Single assembly can provide optical and electrical connection
- Application specific solutions available with custom design

## Performance

Insertion Loss (Typical)	SM	MM
MIL-DTL-38999	0.30 dB	0.30 dB
FC, ST, SC, LC, MU	0.15 dB	0.35 dB
MTRJ	0.30 dB	0.30 dB
Arma SC, Arma LC	0.15 dB	0.35 dB
Mating Durability (Cycles)	500**	500**
Temperature Range*	-40°c to 85°c	-40°c to 85°c

\*Wider temperature range available upon request  
\*\*Per BA-455-21 Standard

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## Overview

**An ideal product for mission critical interconnects in demanding environments.**

Timbercon MIL-DTL-38999 assemblies are designed to provide durable, precision optical and/or opto-electrical connections in a multitude of applications from military to industrial environments. Timbercon MIL-CD38999 products incorporate MIL standard qualified connectors and components with the latest in optical cabling technology, manufacturing processes and ruggedization methods to create a product well suited for the rigors and requirements of the most demanding environments and applications.

Timbercon MIL-DTL-38999 assemblies are available with a wide variety of fiber types, shell sizes, pin/socket configurations, ruggedization levels and custom options to suit your exact requirement.

### Custom Products

Timbercon specializes in custom designed products for application specific requirements. Contact a Timbercon representative to find out more about how Timbercon can customize a MIL-DTL-38999 cable assembly for your application.

## About Timbercon

Timbercon, Inc., founded in 1997, is a fiber optic product and solution manufacturing company providing a variety of connectivity solutions to the defense, aerospace, medical, data storage, telecommunications, industrial, broadcast and networking industries. In addition to standard fiber optic assemblies and attenuated loopbacks, Timbercon has pioneered many proprietary products.

Additional company information can be found at [www.timbercon.com](http://www.timbercon.com).

