

MIL-DTL-83526 (TFOCA® II, III, IV)

timbercon



▶ BENEFITS

- Increased Durability
- Improved application flexibility
- Genderless Mating Flexibility
- Meets or exceeds MIL standard requirements
- Application specific solutions available with custom designs

▶ APPLICATIONS

- Military / Defense
- Land (Tactical) Application
- US Marines® Standard
- US Army® Standard
- Harsh Environment
- Down Hole Drilling
- Broadcast

▶ PREMIUM SOLUTIONS

Timbercon MIL-DTL-83526 Cable assemblies – the ideal solution for harsh environment, down-hole drilling, and military applications.

Timbercon MIL-DTL-83526 assemblies provide a superior multi-channel communications link featuring ruggedized assembly construction, durable environmentally sealed connectors, and hermaphroditic genderless matability. Each Timbercon assembly incorporates premium components with superior cable assembly design and manufacturing techniques to produce a highly reliable and superior performing solutions for demanding applications.

Timbercon MIL-DTL-83526 assemblies are available with a multiple fiber types, shell sizes, pin/socket configurations, ruggedization levels, and custom options to suit your exact requirement.

Custom Products

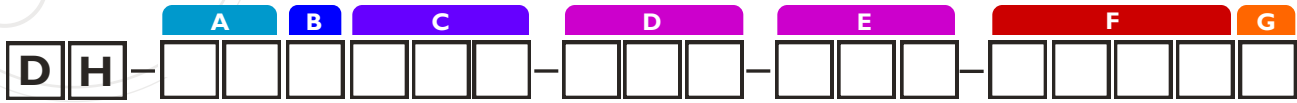
Timbercon specializes in custom designed products for application specific requirements. Contact a Timbercon representative to find out more about how Timbercon can customize a MIL -DTL-83526 (TFOCA II, III, IV) assembly for your application.

TFOCA II, III are registered marks of Amphenol Corporation.
TFOCA - IV is a registered trademark of Amphenol Fiber Systems International.

▶ FEATURES

- Ruggedized assembly
- Wall mount, Jam nut, and Receptacle connector options
- Hermaphroditic connector design
- Environmentally sealed
- MIL-PRF-29504 compliant
- MIL-DTL-83526 compliant
- Custom design options

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▶ PART NUMBER GENERATOR

A - Connector Series

- 02 MIL-PRF-28876
- 03 MIL-C-D38999
- 07 Expanded Beam
- 08 MIL-DTL-83526
- 09 Hermaphroditic
- 99 Custom

B - Fiber Type

- 1 MM 100um
- 4 MM 400um
- 5 MM 50um
- 6 MM 62.5um
- 7 OM3 MM 50um
- 8 Hybrid
Opto/Electrical
- 9 SM 9um
- 0 Custom

C - Channel Count

Enter the fiber count in whole numbers (002 - 216). Use (0) as a place holder, if necessary.

EXAMPLE:
12 Fiber Cable =
(C) 012

D/E - Connector

- | | |
|---------------------|--------------------------|
| 000 No Connector | 201 38999 Plug (S) |
| 003 FC | 207 38999 Receptacle (P) |
| 004 FC APC N | 208 38999 Receptacle (S) |
| 007 LC | 210 38999 Inline Rec (P) |
| 008 LC APC | 211 38999 Inline Rec (S) |
| 011 MTP (F) | 214 38999 Jam Nut (P) |
| 012 MTP (M) | 215 38999 Jam Nut (S) |
| 013 MTP Elite (F) | 220 28876 Plug (P) |
| 014 MTP Elite (M) | 221 28876 Plug (S) |
| 019 MU | 227 28876 Receptacle (P) |
| 021 SC | 228 28876 Receptacle (S) |
| 022 SC APC | 234 28876 Jam Nut (P) |
| 025 SMA 905 | 235 28876 Jam Nut (S) |
| 026 SMA 906 | 240 83526 Plug |
| 027 ST | 247 83526 Receptacle |
| 045 MIL ST | 254 83526 Jam Nut |
| 047 COTS ST | 260 Hermaph. Plug |
| 050 MPO (F) | 267 Hermaph. Jam Nut |
| 051 MPO (M) | 300 Siemon LC MM |
| 052 MPO Elite (F) | 301 Siemon LC SM |
| 053 MPO Elite (M) | 400 HMA Plug |
| 070 LC Arma | 407 HMA Flange Mnt |
| 072 LC Arma (Short) | 414 HMA Jam Nut |
| 080 SC Arma | 999 Custom |
| 200 38999 Plug (P) | |

F - Length

Enter unit length in whole numbers. Use block (G) to specify unit of measure.

EXAMPLE:
10 Meter Cable =
(F) 0010
(G) M

G - Unit of Measure

- N Inches
- F Feet
- C Centimeters
- M Meters
- K Kilometers

▶ PERFORMANCE

| Insertion Loss (Typical) | SM | MM |
|----------------------------|---------------|---------------|
| MIL-DTL-83526 | 0.30 dB | 0.40 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) | 2000** | 2000** |
| Temperature Range* | -40°C to 85°C | -40°C to 85°C |

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

▶ ABOUT

Founded in 1997, Timbercon, Inc. is a fiber optic product and solution manufacturing company providing a vast array of connectivity solutions to the data storage, telecommunications, military, industrial, broadcast and networking industries. In addition to standard fiber optic patch cords and attenuated test cables, Timbercon has pioneered proprietary products, many of which are now considered to be an industry benchmark.

