

MIL-PRF-28876 Cables

timbercon



BENEFITS

- Increased durability
- Improved application flexibility
- Precise optical alignment and connection
- Meets or exceeds MIL standard requirements
- Single assembly can provide optical and electrical connection
- Application specific solutions available with custom services

APPLICATIONS

- Navy and Shipboard
- Military / Defense
- Harsh Environment
- Opto-electrical Applications

PREMIUM SOLUTIONS

Timbercon MIL-PRF-28876 Cable Assemblies, the superior performance interconnect solution for shipboard and other harsh environment communication applications.

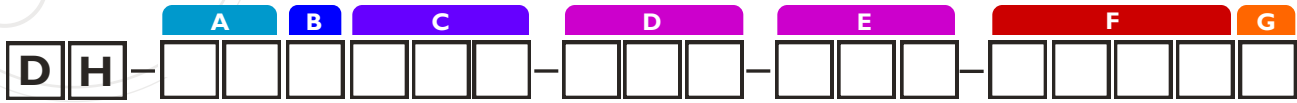
Timbercon MIL-PRF-28876 assemblies provide precise optical and/or electrical communications link for a multitude of applications, most notable ship-to-shore data transmission. Each Timbercon MIL-PRF-28876 assembly incorporates premium components with superior cable assembly design and manufacturing techniques to produce a highly reliable and superior performance product.

Timbercon MIL-PRF-28876 assemblies are available with a myriad of fiber types, shell sizes, pin/socket configurations, ruggedization levels, and custom options to suit your exact requirement.

FEATURES

- Ruggedized assemblies
- Wall mount, Jam nut, and Receptacle connector options
- Precision alignment sleeve / termini
- MIL-C-28876 Standard compliant
- Optical/Electrical hybrid options
- Custom design options

MIL-PRF-28876 Cables



▶ 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
- 003 FC
- 004 FC APC N
- 007 LC
- 008 LC APC
- 011 MTP (F)
- 012 MTP (M)
- 013 MTP Elite (F)
- 014 MTP Elite (M)
- 019 MU
- 021 SC
- 022 SC APC
- 025 SMA 905
- 026 SMA 906
- 027 ST
- 045 MIL ST
- 047 COTS ST
- 050 MPO (F)
- 051 MPO (M)
- 052 MPO Elite (F)
- 053 MPO Elite (M)
- 070 LC Arma
- 072 LC Arma (Short)
- 080 SC Arma
- 200 38999 Plug (P)
- 201 38999 Plug (S)
- 207 38999 Receptacle (P)
- 208 38999 Receptacle (S)
- 210 38999 Inline Rec (P)
- 211 38999 Inline Rec (S)
- 214 38999 Jam Nut (P)
- 215 38999 Jam Nut (S)
- 220 28876 Plug (P)
- 221 28876 Plug (S)
- 227 28876 Receptacle (P)
- 228 28876 Receptacle (S)
- 234 28876 Jam Nut (P)
- 235 28876 Jam Nut (S)
- 240 83526 Plug
- 247 83526 Receptacle
- 254 83526 Jam Nut
- 260 Hermaph. Plug
- 267 Hermaph. Jam Nut
- 300 Siemon LC MM
- 301 Siemon LC SM
- 400 HMA Plug
- 407 HMA Flange Mnt
- 414 HMA Jam Nut
- 999 Custom

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-PRF-28876	0.25 dB	0.60 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

▶ 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.

