

Stainless Steel Cables

timbercon



BENEFITS

- Application versatility
- Improved performance in adverse of demanding conditions
- Increased cable durability and longevity
- Precise optical performance

APPLICATIONS

- Military
- Harsh environment
- Medical
- Broadcast
- Industrial

Stainless Steel Cables for harsh environments and demanding applications

PREMIUM SOLUTIONS

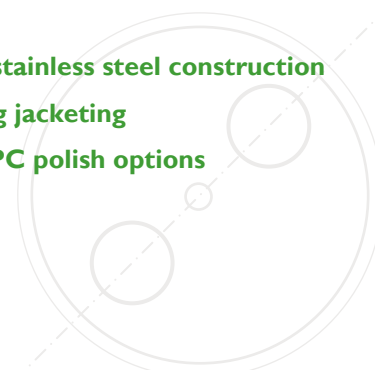
Timbercon ruggedized stainless steel cables are designed to provide a durable, high performance optical solution for applications not well suited to traditional fiber optic assemblies. Ruggedized products incorporate high quality components and materials with the latest technology in rugged jacketing, packaging, and manufacturing methods to create a one-of-a-kind product well suited for the rigors of daily use in manufacturing, automation, and harsh environment situations.

Timbercon stainless steel cables are designed to meet or exceed industry standards for performance, while providing significantly higher durability and increased longevity.

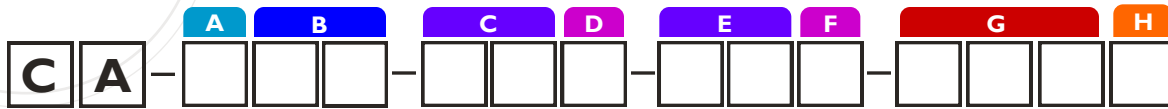
Ruggedized stainless steel cables are available in simplex and duplex assemblies, with multiple fiber, connector, and polish options. Customization and application-specific designs are available, contact your Timbercon representative for details.

FEATURES

- Single mode, multi mode, and PM fiber types
- Ruggedized stainless steel construction
- Bend limiting jacketing
- PC, APC, UPC polish options



Stainless Steel Cables



▶ PART NUMBER GENERATOR

A - Fiber Type

- 1 MM 100um
- 2 MM 200um
- 4 SM 4um
- 5 MM 50um
- 6 MM 62.5um
- 7 OM3 MM 50um
- 9 SM 9um
- 0 Custom

B - Construction

- 01 Bare 250um
- 02 900um
- 03 SX Riser 1.6
- 04 SX Riser 2.0
- 05 SX Riser 3.0
- 06 SX Plenum 1.6
- 07 SX Plenum 2.0
- 08 SX Plenum 3.0
- 09 DX Riser 1.6
- 10 DX Riser 2.0
- 11 DX Riser 3.0
- 12 DX Plenum 1.6
- 13 DX Plenum 2.0
- 14 DX Plenum 3.0
- 15 DX Riser DIB
- 16 DX Plenum DIB
- 17 DX Riser BO
- 18 DX Plenum BO
- 30 SX Stainless 3.0
- 32 DX Stainless 3.0
- 50 Lt. ARMOR SX
- 55 Lt. ARMOR DX
- 60 SX Monocoil 3.0
- 70 SX LSZH 3.0
- 71 DX LSZH 3.0
- 72 SX LSZH 2.0
- 73 DX LSZH 2.0
- 99 Custom

C/E - Connector

- 00 No Connector
- 01 BICONIC
- 02 ESCON
- 03 FC
- 04 FC APC N
- 06 FDDI
- 07 LC
- 08 LC APC
- 17 MTRJ (F)
- 18 MTRJ (M)
- 19 MU
- 20 MU APC
- 21 SC
- 22 SC APC
- 25 SMA 905
- 26 SMA 906
- 27 ST
- 30 E2000
- 80 Pin Termini
- 81 Socket Termini
- 99 Custom

D/F - End Polish

- 1 MM PC
- 3 SM UPC
- 4 SM APC
- 5 Flat
- 0 None (Pigtail)

G - Cable Length

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

EXAMPLE:

10 Meter Cable =
(G) 010
(H) M

H - Unit of Measure

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

▶ PERFORMANCE

| Insertion Loss (Typical) | SM | MM |
|--------------------------------|---------------|---------------|
| FC, ST, SC, LC, MU | 0.15 dB | 0.35 dB |
| MTRJ | 0.30 dB | 0.30 dB |
| Back Reflection (Typical) | ≤-55 dB | ≤-35 dB |
| Mating Durability (500 Cycles) | <0.20 dB | <0.20 dB |
| Temperature Range | -40°c to 85°c | -40°c to 85°c |

▶ CONSTRUCTION

| | Buffer | Strength Member | Jacket |
|------------------|--------|---|-----------------|
| 3mm | 900um | Kevlar | Stainless Steel |
| Length Tolerance | | <1m: +5cm / -0cm 1m - 10m: +10cm / -0cm >10m: +2% / -0% | |

▶ TIP

Search OEM equivalent part numbers online at:
<http://www.timbercon.com/oem-part-numbers>

▶ 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.

timbercon
Photonic design at the speed of light