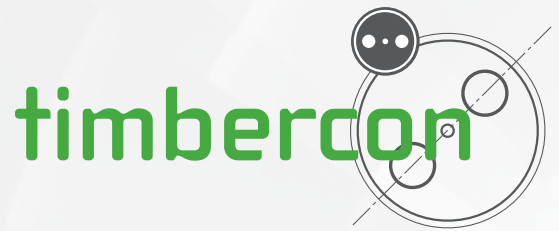


Couplers and Splitters



Applications

- Telecommunications Systems
- Digital and Hybrid Video Systems
- Sensors
- Central Office

Features

- Single-mode, multimode and PM fiber types
- Various coupling ratios 50:50 to 1:99
- PC, UPC and APC connector polish types
- Available with FC, SC, ST, LC and MU terminations

Benefits

- Versatile, with multiple fiber types for a variety of applications
- Small size reduces physical space requirements
- Customizable packaging

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)	<0.2 dB	<0.2 dB
Temperature Range	-40°C to 85°C	-40°C to 85°C

Specifications

	SM	MM
Wavelength	1310, 1550, 1310/1550	850, 1310
Excess Loss	<0.10 dB	<0.50 dB
Uniformity (Max)	0.70 dB	0.60 dB
Operating wavelength	±40 nm	±40 nm
Directivity	>55 dB	>40 dB
Polarization Sensitivity	0.15 dB	-

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Overview

Versatile and customizable couplers and splitters.

Timbercon couplers and splitters utilize precision technology to combine or distribute light from single/multiple inputs to single/multiple outputs. Most couplers and splitters are designed bidirectionally, enabling the same product to be used as a coupler or a splitter.

Timbercon couplers and splitters are available in a variety of styles, sizes, split values and wavelength specifications, allowing a high degree of flexibility in tailoring the product to suit your precise requirements and application. Highly definable coupling ratios enable the product to serve precise needs.

Multiple port configuration, connector and polish options make Timbercon couplers and splitters an ideal option for specific requirements and allow for seamless integration into existing systems.

Construction

	Buffer	Strength Member	Jacket
250 um	250 um	-	-
900 um	900 um	-	PVC
3mm Riser	900 um	Kevlar	PVC
Length Tolerance		<1m: +5cm / -0cm >1m: +20cm / -20cm	

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.

