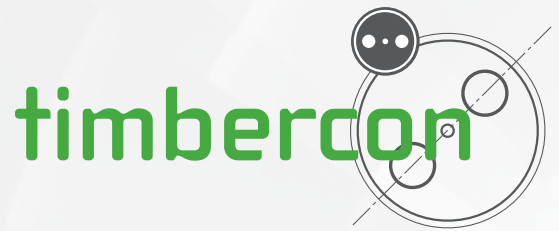


Armadillo SC Loopbacks



Applications

- Manufacturing Test
- Quality Control
- Training
- Troubleshooting
- Research & Development

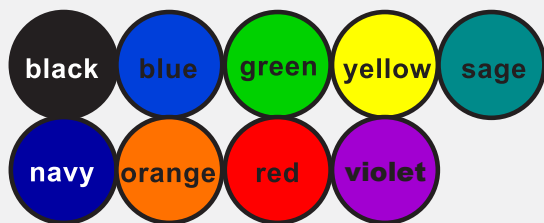
Features

- Full seam ultrasonic weld
- Definable attenuation from 0dB to 24dB
- Custom colors available
- Protective connector shell

Benefits

- Improved shell durability and longevity
- Precise optical performance
- Easy part identification
- Added fiber/connector protection

Colors



Overview

Choose Armadillo LC loopbacks for frequent use and added durability.

By incorporating a rigid, premium quality connector shell for fiber protection, with an easy to use ergonomic package, the Armadillo loopback is designed for longevity and performance.

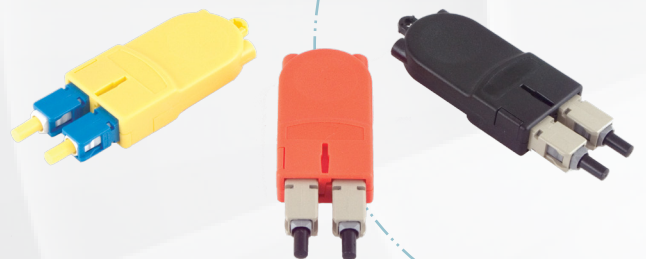
Typically used for test and measurement procedures in laboratory and manufacturing environments, the Armadillo loopback is an ideal product for a multitude of applications requiring signal looping in a duplex LC form factor.

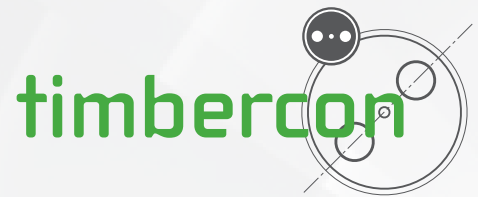
The Armadillo LC loopback features a long molded thumb release for easy insertion and removal, full seam ultrasonic weld for increased product durability and an enclosed fiber shell for exposed fiber protection.

Highly Customizable

Armadillo products are easily customizable with multiple configurations, colors and attenuation levels.

The attenuation level of your loopback is dependent on a specific light source and wavelength. For optimal performance with your application, specify both wavelength and light source type. This match will ensure a precise level of attenuation for your specific application.





Performance

	SM	MM
Insertion Loss (Typical)	1.0 dB	0.35 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

Attenuation

	SM	MM
0 dB - 10 dB	±1 dB	±1 dB
11 dB - 24 dB	±10%	±10%

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.

Attenuation Matrix

dB	% of Power Lost
1	21%
2	37%
3	50%
4	60%
5	68%
6	75%
7	80%
8	84%
9	88%
10	90%
11	92%
12	93.70%
13	95%
14	96%
15	96.80%
16	97.50%
17	98%
18	98.40%
19	98.70%
20	99%
25	99.70%
30	99.90%
40	99.99%
50	100%