

Overview

The fibersect.single™ quickly cuts off the epoxy and fibers protruding from the face of connector ferrules during the installation process. In less than a second, it produces a flat cut close to the ferrule face, creating the ideal surface for polishing. Throughput is improved by eliminating manual steps such as hand cleaving, de-nubbing and epoxy removal. The fibersect.single is optimized for cutting Simplex and Duplex epoxied connector ferrules. With a simple one button operation, small footprint, and battery power, the fibersect.single provides exceptional versatility, portability, and ease of use in the production environment.



Inserting the LC connector



2.5mm SC ferrule, 75 µm cut

Features and Benefits

- Optimized for cutting Simplex and Duplex connector ferrules, such as the LC, LC-APC, LC-Duplex, SC, SC-APC, SMA and many others
- Simple one button operation; requires minimal operator training
- Fast cutting cycle
- Long saw lifetime
- Small footprint, lightweight, portable, battery powered
- Fast, easy cut length adjustment
- Quick adapter change
- Safely collects cutting waste
- Options: Connector and ferrule adapters, vacuum waste collection, footswitch cut actuator, cut counter

Specifications

- Recommended adapters: LC, LC-APC, LC-Duplex, SC, SC-APC, ST, FC, FC-APC, MDC, MDC-J, and SMA connectors with fiber diameter of <math><300\ \mu\text{m}</math>. Bare ferrule adapters are also available.
- Custom adapters are available
- Cut cycle time: ~1 sec
- Recommended cut length from ferrule face: 75 µm
- Adjustable cut length from ferrule face: 0-600 µm; 5 µm adjusting resolution
- Maximum fiber protrusion from ferrule face before cutting: 10 mm
- Cut angle: <math><+/-\ 0.5^\circ</math>
- Adapter changeover time: <math><30\ \text{sec}</math>
- Warranty: One year
- Expected saw lifetime: > 700,000 cuts when cutting LC or SC ferrules
- Power: 100-240 Vac, 50-60 Hz, 0.48 A; with rechargeable battery
- Battery capacity: >500 cuts when cutting LC or SC ferrules
- Dimensions: W x D x H / 3.75 x 5.25 x 3.50 in / 95 x 133 x 89 mm
- Weight: 2 lbs / 0.9 kg