

PermLock™ Fiber Optic Mechanical Splicing Tool

Fiber splices made easy, reliable, and low cost (patent pending)

Product Description

The Agiltron's *PermLock™ Fiber Optic Mechanical Splice* is the latest technology to connect two fibers easily and reliably without the use of fusion splicing. Designed for aerospace applications, it offers a hazard-free environment, absence of spark, high voltage, and heat. Moreover the glass sealed splice offers low optical loss, wide-temperature operation, 25-year service life, and low cost of ownership. The patent pending design enables fiber self-alignment with high repeatability. A "light-bridging" material fills the fiber gap for stable, ultra low loss splice. Agiltron supplies a hand-held and battery powered curing kit for quick and easy cleave and splicing, even with polyimide coating fiber. PermLock™ Fiber Optic Splice has passed the most stringent aerospace qualification. The splice has several outer-jacket options suited for various applications. This product is well suited for applications in aerospace, shipboard/submarine, mining, and communication networks, as well as field optical fiber repair and fiber-to-home installation.



Performance Specification

Mechanical Splicing Tool	Typical	Unit
Dimension	20 x 120 x 130	mm
Weight	0.9	LB
UV Curing Time	30	sec
Battery Type	4 AA	piece

Features

- Low Insertion Loss
- Low Reflection Loss
- Easy to Use
- High Reliability
- Rugged
- Spark Free
- Low Cost

Applications

- LAN/MAN/WAN
- Military
- Aerospace
- Field Use
- Mining