

PermLock™ Fiber Optic Mechanical Splicing Tool Kit



Fiber splices made easy, reliable, and low cost

DATASHEET

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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

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.



Specifications

Parameter	Min	Typical	Max	Unit
Insertion Loss	0.01		0.15	dB
Storage Temperature	-40		71	°C
Operating Temperature	-55		125	°C
Cable Twist/Pull			10	lbs
Dimension	420 x 300 x 110			mm
Weight	9.5			LB

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