



SpliceWORKS™

RUGGED MECHANICAL SPLICE

MOOG

SpliceWORKS™ Overview



SpliceWORKS™ is a rugged mechanical splice for harsh environments where the removal of the fiber cable is not an option to repair a break.



An on-site repair can be accomplished in less than 15 minutes when used with the field deployable kit which includes the equipment and material to perform the splice



SpliceWORKS has the same pull-force rating equivalent to OEM cable construction which eliminates the splice as a weak or non-compliant point in the cable



U.S. Patent 10,761,268



Features



Designed for harsh environments (high shock/vibration)



Field use and cable repair accomplished quickly



Supports multimode jacketed fiber cables



Cable retention force exceeds 12lbf per EIA 364-38B meet/exceed cabling



Supports ARINC 802 compliant fiber optic cable types



Requires a briefcase sized kit and AC power



Capillary alignment mechanism enables low insertion loss (1.0 dB at 850nm)



Internal temperature and moisture coupon options available

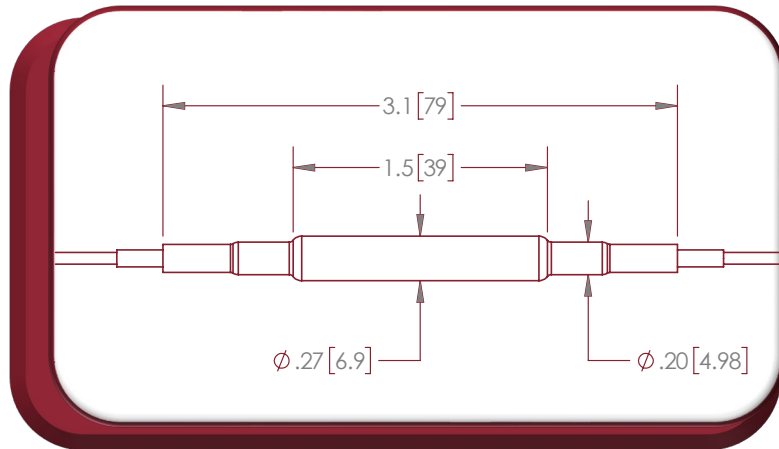


Each product individually serialized and laser engraved

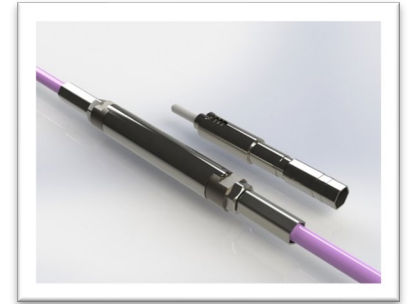


Termination kit (available separately) includes all materials to install and test

- Less than 80mm in length
- Simple construction
- Rugged all metal body easy to store, manage, handle



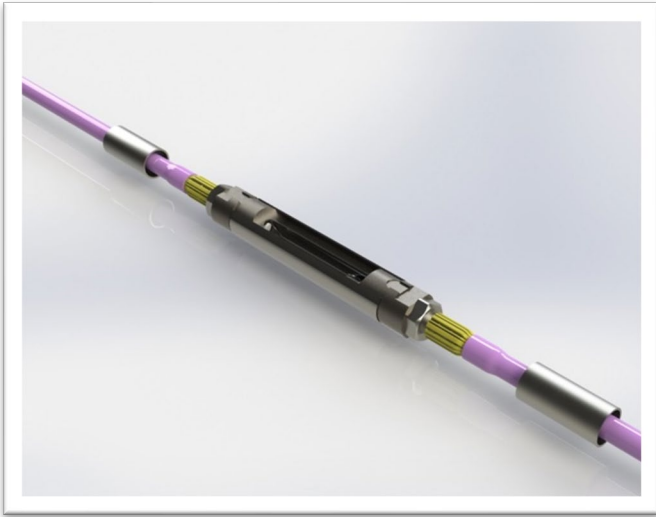
- < 14 grams
- 1.7 to 2.2mm fiber jacket sizes
- 1.0dB IL at 850nm
- -55°C to +105°C
- 95% non-condensing humidity
- TIA-455-14 (300g, 3ms) shock compliant
- TIA-455-11 vibration compliant
- RoHS 6/6



*Size comparison to an
ARINC 801*



Simple Installation



- 1. End-to-end capillary access for UV cure**
- 2. A801 crimp geometry**
- 3. Sheet metal cover rotates to cover opening, snaps securely in place**
- 4. Optional heat shrink secondary cover**
- 5. Simple install: UV cure, crimp, snap shut, shrink**

SpliceWorks Kit

10 Mechanical splice assemblies

10 ARINC 801 terminated cables with mechanical splice

UV curing light (battery or AC)

UV epoxy

Precision cleaver

Fiber strippers

Fiber scissors

Alcohol prep pads



Company Information

Quality System:

ISO 9001:2015 + AS9100:D CERT-0136100

ATEX Compliant, OP IS

S20.20 ESD program

J Standard electronic parts work

Compliant to FAR 52.204-2, DFARS 252:204-7012

NIST 800-171 Compliance in process



Aerospace and Electronics
Industry Quality Standards



FDA/CDRH Laser Safety Test
and Manufacturing Support



International Traffic in
Arms Regulations



ESD handling and Facility Testing,
Operation, and Certification



Harsh environments including
Oil and Gas compliance



Foreign Object Debris Procedures,
Auditing, and Training

Company Information:

EIN/Tax ID: 39-2691559

Vendor License: 18-900161

CAGE Code: 49T62

USA

749 Miner Rd

Highland Heights, OH 44143

26301 Curtiss Wright Parkway

Richmond Heights, OH 44143

p. +1 (440) 446.8800

192 Bob Fitz Rd

Johnson City, TN 37615

p. +1 (423) 552.8753

EMEA

Am Alten Schlachthof 4

36037 Fulda, Germany

+49 (0) 661 9786 9200

www.ruggedfiberoptics.com