

COTSWORKS®

SpliceWORKS™ Rugged Mechanical Splice

www.cotsworks.com

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SpliceWORKS™ Overview



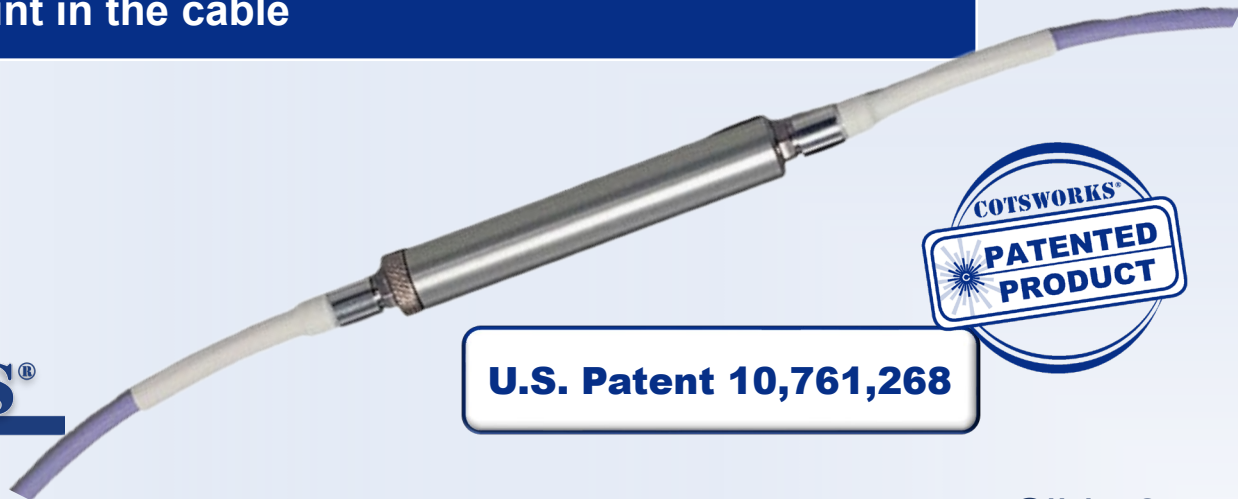
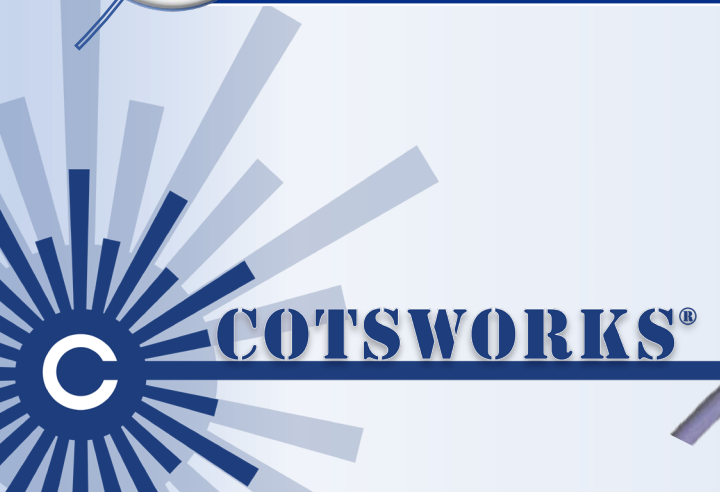
SpliceWORKS™ is a rugged mechanical splice for harsh environments where the removal of the fiber cable is not an option to repair a break.



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 in approx. 15 minutes



Meets or exceeds pull force of existing cable...no weak point from the splice



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



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



Internal temperature and moisture coupon options available



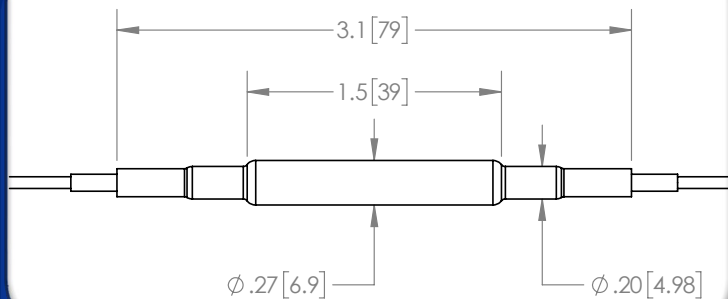
Each product individually serialized and laser engraved



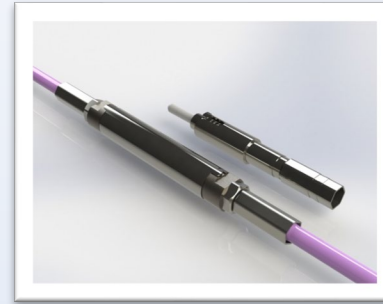
Termination kit (available separately) includes all materials to install and test

Product Mechanicals

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

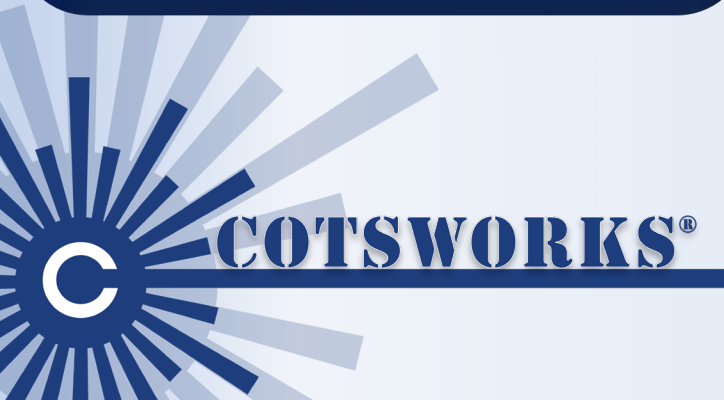


- < 14 grams
- 1.7 to 2.2mm fiber jacket sizes
- 1.0dB IL at 850nm
- -55°C to +105°C
- 95% non-condensing humidity
- TIA-455-14 (300g, 3ms) shock compliant
- TIA-455-11 vibration compliant
- RoHS 6/6

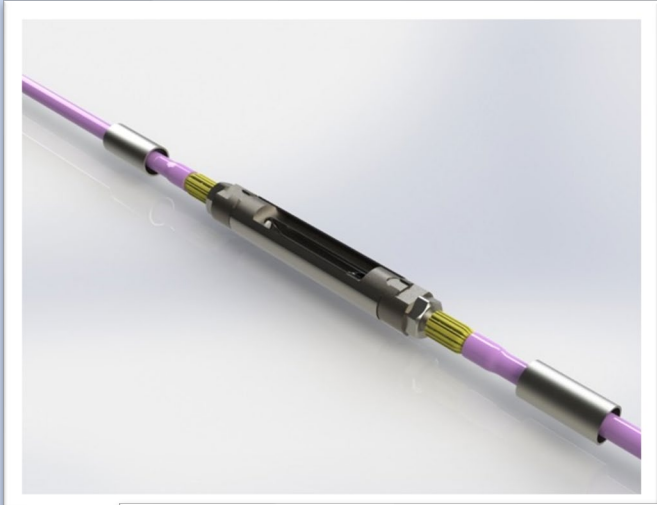


*Size comparison to an
ARINC 801*

Exploded View of Components



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: 20-4055028

Vendor License: 18-90016

CAGE Code: 49T62

ECCN: EAR99

ITAR: M37737

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