

Ruggedized Fiber Cable Repair Splice

Advanced Fiber Products (AFP) designs, engineers and manufactures optical, optoelectronic and specialized products for telecom, enterprise, industrial, military, and broadcast applications. The company headquartered near Cambridge in the United Kingdom, manufacturing in the USA and the UK, has developed a wide variety of novel fiber connectivity products both for use in sensitive and adverse operating environments.

AFP's **Ruggedized Fiber Cable Repair Splice** provides a ultra compact, highly flexible and easy to install rugged repair capability for standard multi-fiber harsh environment fiber cables.

The unique and patented design features allow the full tensile strength of the cable to be recovered after the repair and for the cable to be wound discretely on the belly of small diameter standard deployment drums. The Repair Splice will accommodate both 2 and 4 fiber cables and can be installed in less than 20 minutes with industry standard tools. It delivers negligible additional loss in optical performance of the repaired cable and the tough mechanical features allow for the ease of use and excellent reliability in the most adverse operating environments.



Typical Repair Applications

- Tactical land based Military communications cables repairs
- Outside Broadcast cable repairs
- Oil & Gas cable repairs
- Mining field cable repairs

Features

- Discrete size, small diameter and short length
- Reconstitutes cable strength and flexibility
- Permanent rapid fusion splice fiber repair



Patent Applications Pending

www.afpgco.com

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**Advanced
Fiber
Products**

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Compatible with both 2 fiber single-mode (SM), 2 fiber multimode (MM) and hybrid 2 SM + 2 MM, 4 fiber Mil Tactical cables. For typical cables with non-dielectric strength members and diameters up to 5.8mm.

The repair kit includes a fusion splice machine for a rapid and permanent near invisible low loss fiber repair and splices either two or 4 fibers in one go.

Enquire to AFP for repair kit contents, custom options and consumables



Sample Specifications

Methodologies to MIL-PRF-85045/8

Operating Temperature (Storage Temperature)	-40°C to +75°C (-55°C to + 85°C)
Water Immersion	15m
Free Fall Resistance	500 Falls from 1.2m height
Vibration	10- 500Hz, 3 axes 0.75mm amplitude @10g acceleration
Bump	4000 bumps @ 40g acceleration
Crush Resistance	3kN
Corrosion Resistance	500 Hours Salt Spray
Cable Retention	1500N (Cable Dependant)
Sand & Dust Infiltration	MIL-PRF-85045/8
Construction	Lightweight Polymers



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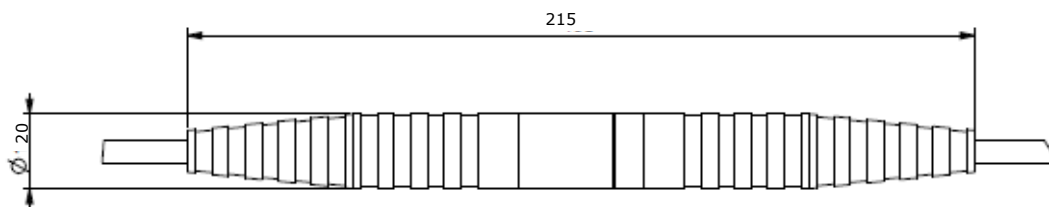
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Key Dimensions (mm)



RoHS Directive Compliant. Conforms to GR-326. Flammability: UL 94 V-0

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