

AVliteSplice™

Inline Mechanical Splice

MAKING OPTICAL REPAIRS A REALITY

FAST FACTS

AVliteSplice™ is a compact inline mechanical splice which can reinstate, repair or extend a fibre optic system.

Complete with minimal components and a non-intrusive design, thus enabling quick repairs which can be undertaken without the need to remove the cable or cable harness from operational platforms.



Our Advantages

- ✓ Minimise downtime – enables in service repairs
- ✓ Quick and easy repair – can be performed in under 20 minutes
- ✓ Reduction of downtime associated costs - removes requirement to replace entire harness system
- ✓ Existing tooling and skillset optimised with the use of an AVLiteCure™ oven.
- ✓ Minimal components, lightweight and compact design Low optical loss solution
- ✓ Supports single and multimode applications
- ✓ Reinstates full mechanical integrity and high optical performance
- ✓ Can be repaired as a micro-connector
- ✓ High tensile pull force through torque load rather than less reliable spring loaded contact method
- ✓ Quick curing system through use of AVliteSplice™ oven

Market Sectors

- Aerospace
- Land defence
- Rail

Specification

FIBRE TYPE	SINGLE MODE	MULTI MODE	
Insertion Loss	0.3 (typical)	0.1 (typical)	dB
Return Loss	> 55 (typical)	> 25 (typical)	dB
Length	50		mm
Diameter	5.5		mm
Weight	5.75		g
Pull force	111		N
Temperature Range	-55 to +150		°C