

Amphenol

Harsh Environment Impact Splice



Splice Unit (Above)



Impact Splice Termination Kit (Right)

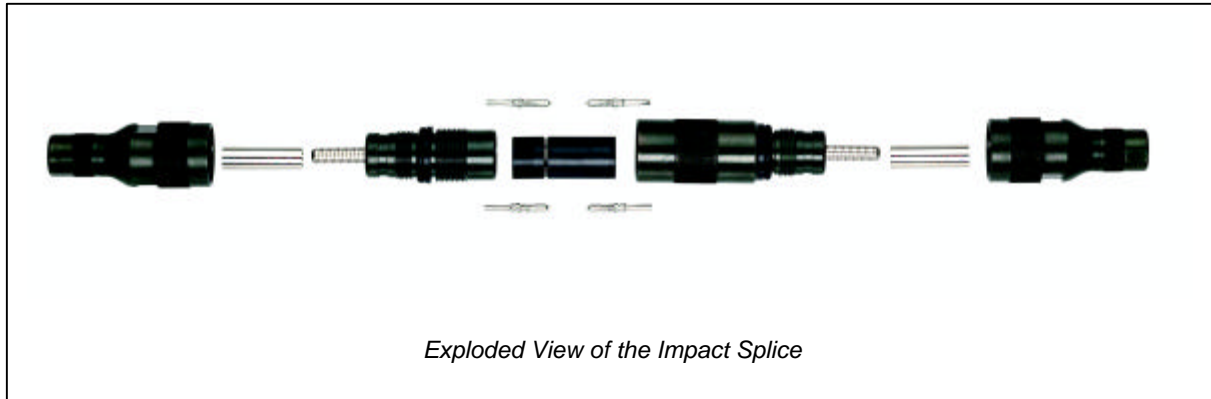
The Impact Splice has been designed to strengthen Amphenol's strategy in providing 'Total System Support' to the end customer. Amphenol Ltd have designed the Impact Splice to facilitate the repair or installation of all fibre optic cables and assemblies. The Impact Splice Technology incorporates a sprung loaded 2.5mm optic termini and alignment sleeve. The termini is impacted directly onto the fibre after the jacket and secondary coat have been removed. This method reaches excellent levels of thermal stability and durability without the use of epoxies.

- Available for Simplex, Duplex or Quad cable constructions
- Suitable for 3.5, 4.5 and 5.5mm Amphenol tactical cable
- Eliminates the use of epoxies and various termination consumables
- No external power or heat required
- The termini is mechanically formed onto the optical fibre
- Returns cable to >80% tensile strength
- Universal tool kit for all cable variants
- Splice units supplied complete with consumables

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Repair Philosophy

- With the continued development of fibre optics on such a widespread nature, a maintenance policy needed to be adopted
- The market demanded both an effective and economical repair method for cables
- Amphenol Ltd responded with the development of the Impact Splice Technology

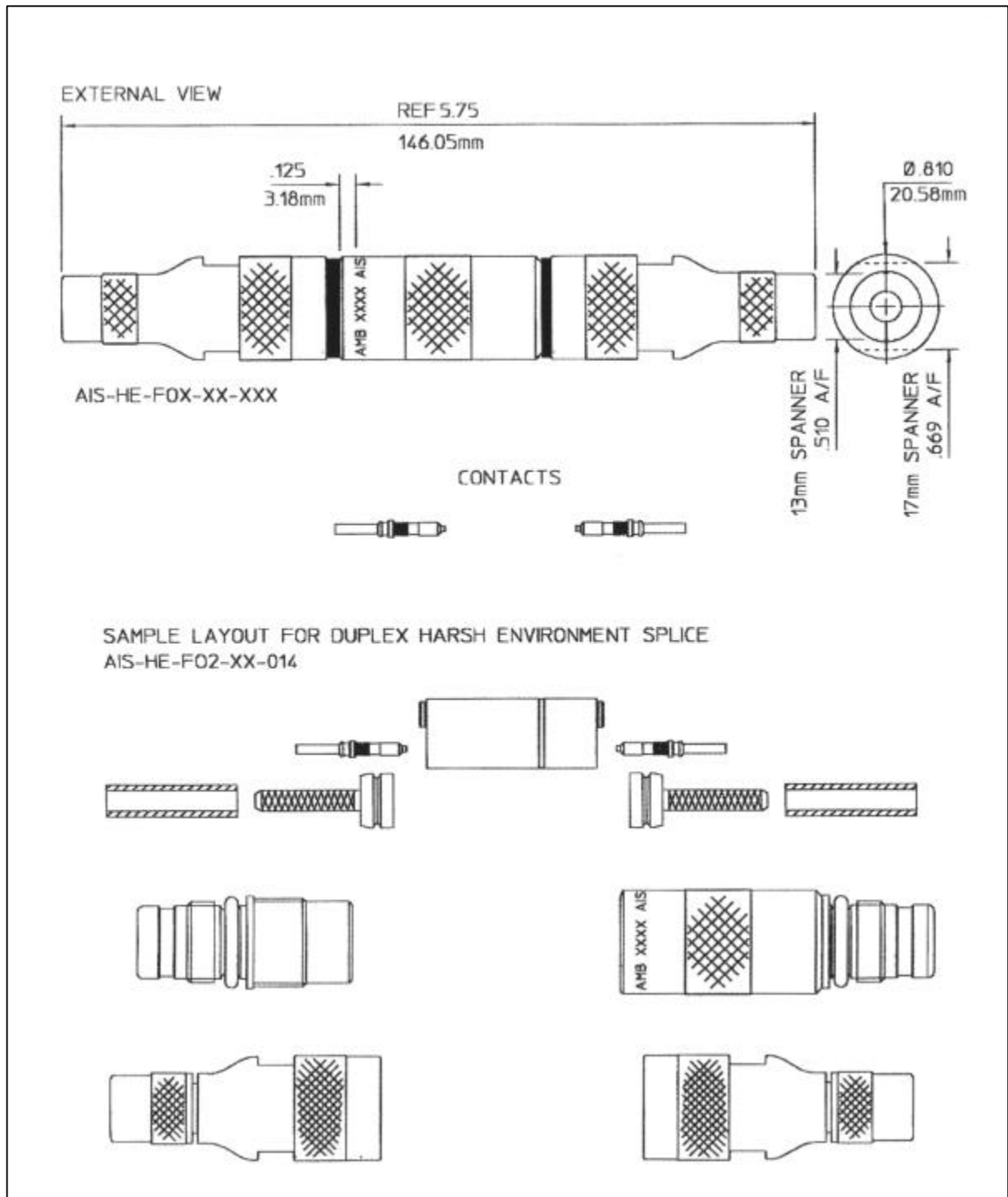


The Impact Splice unit has been designed to meet modern requirements of the harsh environment. It is a fully sealed unit which provides excellent tensile strength and stable optical performance.

The Impact Splice unit complements the cable specification regarding bend radius and tensile load for deployment from cable drums.

Amphenol Ltd offer a complete range of pigtails suitable for splicing.

Technical Information



Performance

Optical	
Attenuation Loss	Sub 1dB: typically 0.5dB using 62.5/125
Fibre Types	50/125 62.5/125
Termination Method	Impact Mount and Polish

Environmental	
Temperature Range	Totally Cable dependent
	-55°C to +85° C
Tensile Strength	80% of cable specification

Mechanical	
Materials	Shell: Aluminium Olive Drab

Impact Splice Termination and Repair Kit	927 - 100 - 4500
Impact Splice Termini (Pack of 4)	927 - 100 - 4900

Part Number Information

Amphenol Impact Splice AIS - HE - FOX - XX - XXX

Harsh Environment

Configuration

- Simplex - 1
- Duplex - 2
- Quad - 4
- Hybrid - H

Finish

- Electroless Nickel - 02
- Cadmium Olive Drab - 03
- Olive Drab Zinc Cobalt - 04
- Black Zinc Cobalt - 05

Cable Variant

- 013 3.5mm Ø/D Simplex
 - 014 5.5mm Ø/D Duplex
 - 024 4.5mm Ø/D Simplex
- (Other options available on request)

Individual Splice Units are sold with the necessary impact termini and consumables for each splice termination

For further information on cables, connectors and assemblies, please consult your local office.
Product specifications and performance characteristics are typical only and subject to change.

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