smart fibres™

SmartSplit Splitter Housing

Key Features

- HPHT Capability
- All Metal Seals
- Fully Testable Seals
- Low Profile Design
- Supports Multiple Fibre Counts and Fibre Types
- Excess Fibre Storage

About SmartSplit

SmartSplit is a field proven connection system designed to join fiber optic downhole cables. With its multi-entry port configuration, it offers a perfect solution for splitting a cable into multiple cables or combining the fibers from numerous cables into a single cable. SmartSplit is suitable for downhole component connection such as Smart Fibres' multi-drop SmartPort P/T gauges used for permanent reservoir monitoring.

The SmartSplit has been designed and developed to require minimal assembly time during deployment and to provide a long term reliable protection of the optical connections from the extreme HPHT environment that can be experienced in oil wells and subsea conditions.

SmartSplit also has a high capacity for fusion spliced optical fibers connections or miniature connectors and has the feature to stores multi meters of excess lengths of fibre in a large racetrack.

The SmartSplit offers flexibility to accommodate changes in deployment configurations and is ideal for rapid installation methods like spooler deployments over a cable sheave, so reducing deployment time and cost. All connections to the splitter housing and lid seals are pressure testable metal to metal seals, suitable for both factory or on-site field assembly and test.

Specifications

Parameter	Value
Max. Pressure Rating	15,000 psi / 1,034 bar
Max. Temperature Rating	400 ˚F / 200 ˚C
Housing Material	Inconel 718 (NACE MR0175)
Cable Entry / Exit Ports	2, 3 or 4
Cable Connection Type	¼″ Metal Tube
Sealing	All metal seals, pressure testable
Dimensions	9.68 x 3.38 x 0.82″ / 246 x 85.5 x 21 mm
Weight	6.2 lb. / 2.8 kg
Assembly and Seal Testing Time	≤2 hrs

Specifications may change without notice

Ordering Information

Product Type		Housing Configuration
S-Split	-	X
		I
		Y
		H

Order code example:
S-Split-Y

Variant Description	Variant Options	Variant Code
Housing Configuration	1 Entry + 1 Exit port	I
	2 Entry + 1 Exit port or 1 Entry + 2 Exit ports	Y
	2 Entry + 2 Exit ports	H