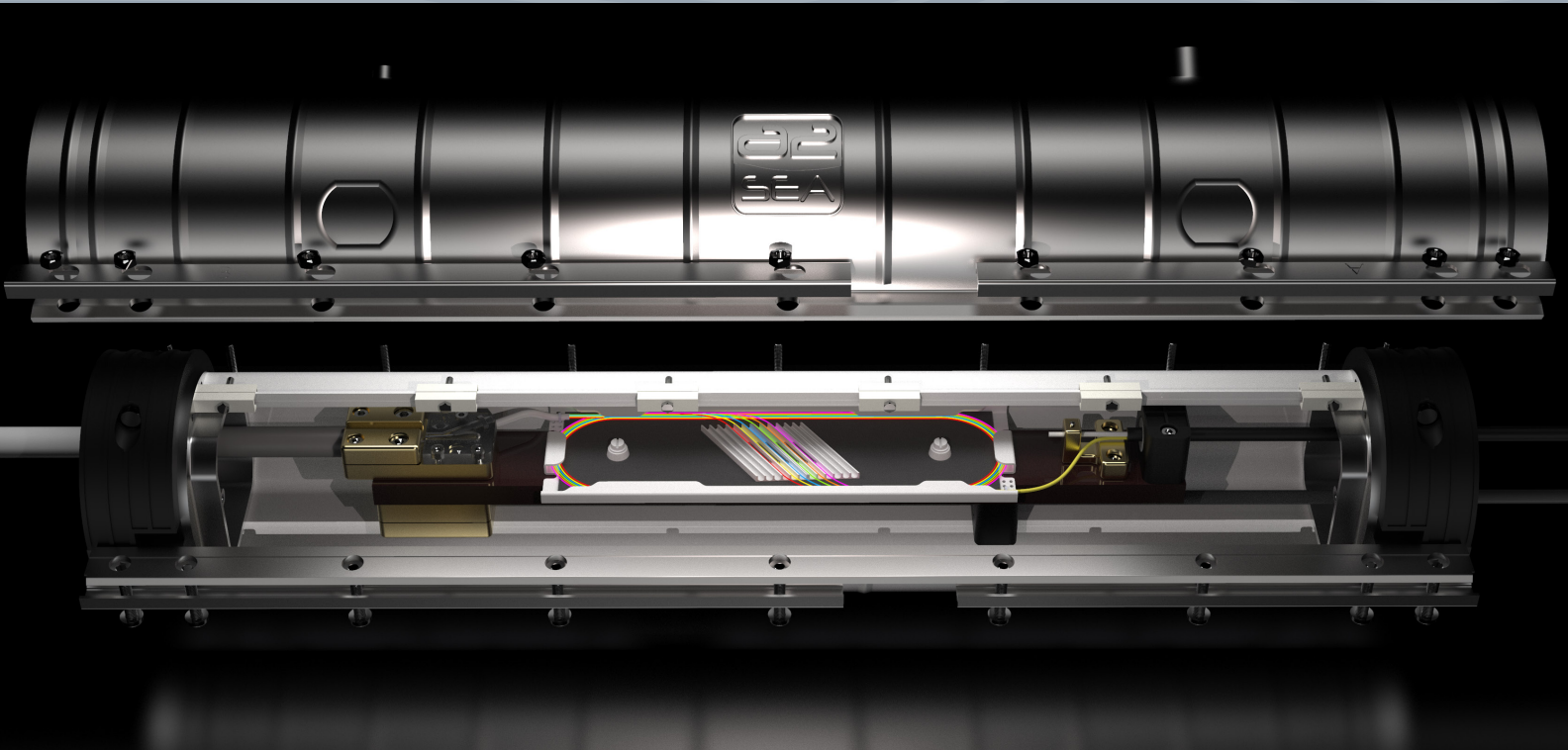




## A-2-Sea Universal Land & Beach Joint for powered and unpowered systems



**A fully submersible beach joint for powered and unpowered submarine cable systems, designed for use in tough inter-tidal environments. Highly versatile joint with many different configurations of cable designs and combinations. Additional specific qualifications can be quickly carried out for customer system requirements.**

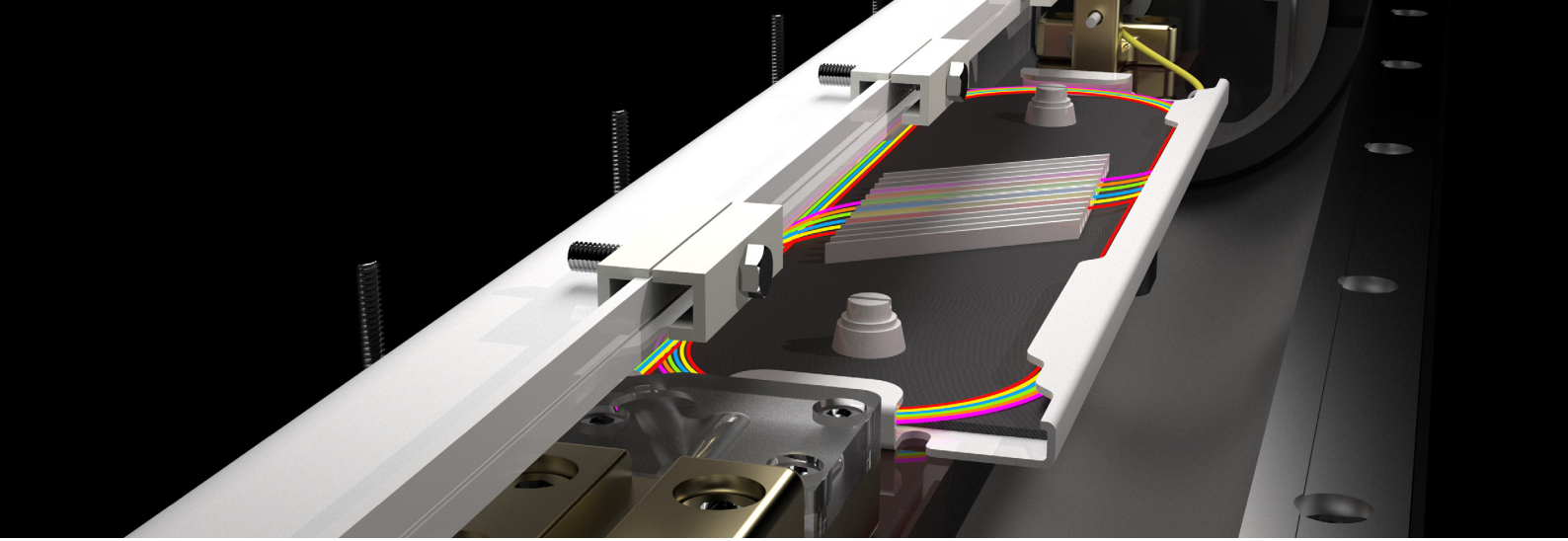
Field proven since 1992, the joint is in use worldwide with zero failures. A-2-Sea supplies and installs the universal beach joint for system installers. It's also used by cable system owners around the world to replace failing or old joints.

### Key features

- Highly reliable joint with zero failures
- Designed to be extremely robust
- Fully submersible, designed to operate in beach manholes in up to 6 metres of water
- Versatile, with 60 different configurations of cable designs and combinations, including use as a splitter joint
- For powered and unpowered systems
- Re-enterable joint for maintenance or re-use
- Simple low-cost assembly tooling

### Key benefits

- Track record of 100% reliability over 25 years
- Over 400 in service worldwide with no recorded failures
- A-2-Sea can quickly and easily qualify a new cable type
- A-2-Sea is agile and responsive, and specialises in rapid mobilisation. All joints and tooling can be carried by hand, enabling teams to be deployed quickly
- Available from stock



## Specifications

**Dimensions** 990mm in length, with outside diameter of 170mm

**Weight** 15kg (installed with resin)

**Submersible** Qualified to 6m water depth

## Joint variants

A range of variants have been developed for specific situations:

- Optical splitter joints
- Separate optical and power Land cables
- High fibre count cables (up to 192 fibres qualified)
- Powered (up to 15kV)
- Unpowered
- Switched land routes
- Secured to offshore structures
- Direct burial
- Switchable land routes
- Power feed filter connection

## Cable systems

The A-2-Sea land and beach joint has been installed worldwide and on many cable systems, including:

CANTAT 3	TAT 12	TAT 14	ESAT 1 / 2
Manx 1	Celtic	Manx-NI	S-Brean
UK-FR 3	Scot-NI 1	FLAG	Tanergine
Farland 3	Scot-NI 2	Hugo S1/S2	Apollo
UK-CI 7 and 8	Farland	Yellow	Liberty
DISA 1 and 2	SEA-ME-WE 3	SOLAS	Northern Lights
Jersey/Guernsey 4	UK-Ger 6	FALCON	PAC

## A-2-Sea Universal Land & Beach Joint Qualifications

		MARINE CABLES Manufacturer															
		STC		TYCO		ASN				KDDI SCS	Pirelli/ Prysmian		GPT		Nexans		
LAND CABLES	Cable Type	NL	S3	SL 21.5	SL 17	S280	S560	URC 1	URC 3	OAL C4 T30/ 31	OS	14 mm	18.5 mm	F7	F9	ROC2	URC1
Manufacturer																	
STC	NL Duct	•															
	TS 0073		•														
	CPD 1501	•															
Tyco	RL+MV90/ 105 Power	•		•	•												
ASN	S560 Land						•										
	SR					•											
	DCn						•										
	OAL C4									•							
	8F+MTG 10-12 kV Power										•						
	VG								•	•							
BICC	2245 SMD 1	•															
Generic	BT COF 27	•			•		•	•	•			•					•
Generic	S0002			•													
Generic	CW 1595	•					•	•					•				
Generic	BT UKC													•	•		
NKF	12.0mm			•													
Pirelli/ Prysmian	ST Duct												•				
	B3 1009	•															
	21.4mm												•				
	STZ 192	•							•								
KDDI	L/C										•						
	OGLJFLAP										•						
Nexans	ROC 2																•

• Qualified

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