



SEACON ADVANCED PRODUCTS, LLC
PRODUCT DATASHEET

ARMOR TERMINATION ASSEMBLY (ATA)
**SEPARATED ARMOR TERMINATION POINT FOR CONTRA-HELICAL
ARMOR-WOUND DEEPWATER MUX CABLES**



ATA termination to electrical MUX cable

DESCRIPTION

The **ATA** allows contra-helical armor to be terminated a distance away from the end electrical connection of a MUX umbilical cable. This makes terminated cable handling much more manageable, and provides an emergency break-away point which preserves SEM integrity. The interior armor 'plug' is mechanical, no epoxy is used. The dual-cone technology assures holding strengths exceeding 75% of cable breaking strength.

KEY FEATURES

- Overall Length: 27"
- Overall Diameter: 4.75" at Base
- Interfaces with **SEA CON**[®] Breakaway Unit
- Dual cone, mechanical armor plug
- Overall boot sealed
- Depth Rating: Full Ocean Depth
- Compatible with embedded and non-embedded MUX cables
- Field Installable (no compounds)

DESIGN RATINGS & TESTING

- Breaking Strength cable dependent
- Qualification tested breaking strength: 16,900 lb. with armor breakage failure mode
- Design life: 20 years
- Designed for easy adaptability to cable variations

MATERIALS

- 15-7 SST, 316 SST, 17-4 PH SST, CA630
- Elastomer: Neoprene, Nitrile

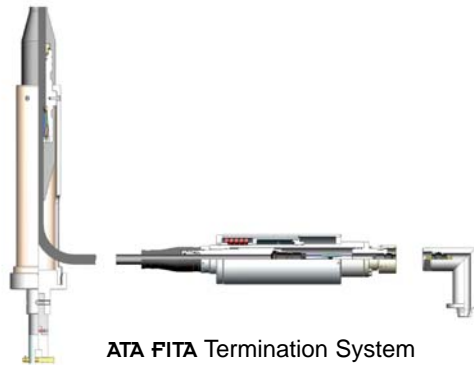


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PRINCIPLE OF OPERATION

The **ATA** was designed to be an integral part of the MUX umbilical cable termination system shown below. The **Armor Termination Assembly** is secured to the riser or control system framework using a **Breakaway Unit** that is designed to separate at a defined load. The smaller, more manageable **FITA** is then routed and connected. In the case of accidental BOP droppage, the **Breakaway Unit** shears and the unarmored section of cable pulls out of the **FITA**.



CABLE TYPES

- NSW 116351
- NSW 116372
- NSW 116373
- NSW 116375
- NSW 116380
- NSW 938600
- OYO GEOSPACE 472-00050-XX-YY
- Rochester A304485
- Rochester A304739
- Rochester A304862
- Rochester A305605
- Rochester A305614
- Rochester A306393
- Rochester A306660
- Rochester A307243
- Rochester A307472
- Rochester A307631
- Vector A71033
- Vector A72022
- Vector A72023

QUALITY

- **SEACON** Advanced Products, LLC operate a Quality Management System certified to ISO 9001:2008, ISO 14001:2004 and OHSAS 18001:2007.



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