



SEACON ADVANCED PRODUCTS, LLC
PRODUCT DATASHEET

RIGHT ANGLE FLANGED CONNECTOR RECEPTACLE

SEM-MOUNTED ELECTRICAL BULKHEAD CONNECTION FOR DEEPWATER MUX CABLE CONNECTOR



Right Angle FCR mated to FITA

DESCRIPTION

The Right Angle FCR gives the flexibility to route a MUX connector / cable in a more manageable fashion. The receptacle mounts to existing hole penetrations on subsea modules. The connection side of the receptacle interfaces with SEACON's standard MSS Cable Connector Plug line. Standard body material is passivated 316 SST although other materials are available upon request.

KEY FEATURES

- Dimensions (MSSL): 5.8" x 4.5" x 2.0"
- 3.0" 6-Bolt Flange
- Maximum Voltage: 600 VDC
- Currently available with 12#16 AWG contacts. Fiber Optic development underway
- Depth Rating: 20,000 psi mated, 5,000 psi open-face
- Mounts in standard MSS cavity
- Resistant to back-pressure

DESIGN RATINGS & TESTING

- Design Pressure: 7,500 psi
- Design life: 20 years
- Elbow weld on each unit dye penetrant tested and seal tested

MATERIALS

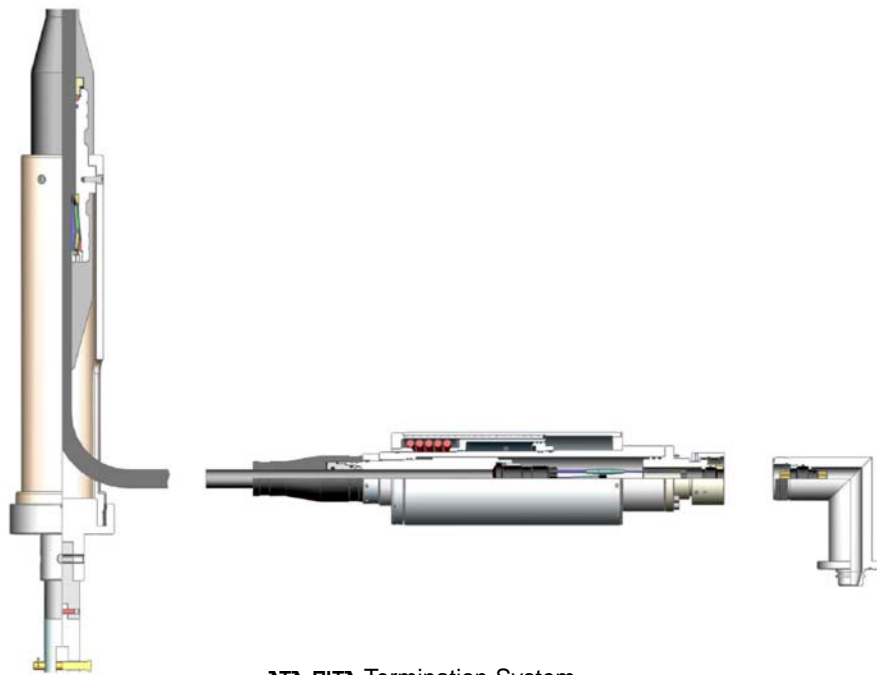
- Shell: 316 SST
- Insert: Glass Re-enforced Epoxy

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DESIGN RATINGS

The Right Angle FCR 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**.



ATA FITA Termination System

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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