

CUSTOMER CHECKLIST

SPECIFY THE FIBER:

- Single-Mode or Multi-Mode. Quantity of each type.
- Fiber size, 9/125 or 50/125 or 62.5/125
- Wavelength:
 - 850 and 1300 nanometers, multimode fibers
 - 1310 and 1550 nanometers, singlemode fibers
- Acceptable optical insertion loss in decibels, SEACON standard is -1.0dB per mated channel.
- Return loss requirement for single mode? SEACON standard - 35dB or better.

CONNECTORS & CABLES IN GENERAL:

- Cable Customer furnished or SEACON furnished?
 - CF cable must be accompanied with a cross sectional drawing detailing all diameters and materials, including the optical fiber components.
- Is the connector to be overmolded or field installable?
- What pressure will be used as a design maximum amount? (How deep will it go?)
- Is open face pressure rating required for receptacle side? To what pressure?
- Required temperature ratings, for use and extremes of storage.
- What materials to be used? Stainless Steel typical for most shells.
- Any electrical requirements? Number and size of contacts, voltage and amperage?
- A general idea of environment for the connector to be used in, such as, ocean, mud, ice, downhole, hydrothermal, aircraft. Whatever, especially if it's not the ordinary.

ARMORED CABLES:

- Does the cable include an armor component? (Steel or Kevlar?)
- Does the armor need to be terminated in the connector or away from connector?
 - To what axial load? If a remote strength termination, SEACON or customer to provide?
- What is the tensile strength of the cable (breaking and working)?
- Is a bend limiter desired at the cable entry to back end of CCP? For what application?

PRESSURE BALANCED OIL FILLED (PBOF):

- Bulkhead mounted on PBOF system?
- Type of oil/fluid used to pressure balance cable and system.
- Customer or SEACON specified PBOF tubing? Size and type.

GENERAL:

- Quantity of each type of connector required.
- Program or project name.
- Special tests required, e.g. hydrostatic pressure test.

* This checklist is for general purpose and may not address all requirements. Please contact SEACON for additional assistance.