SERIES 31 SEA LEVEL RATED
These reliable coaxial connectors have been in production since 1950. Available as plug connectors, kits and cable assemblies, they mate all series 311 Cond. 1 connectors and adaptors.

SERIES 310 FOR OPERATION AT REDUCED PRESSURE
A sealed version of the series 31 that mates all series 311 Cond. 1 receptacles and adaptors.

SERIES 311 FOR OPERATION AT REDUCED PRESSURE
This series features seals for reduced pressure operation, a shell-to-shell grounding spring finger shield, a hooded female socket and three polarizing conditions as shown in the illustration to the right, the bayonet coupling has machined rings to designate polarization by either sight or feel.

SERIES POLARIZATION
311 series connectors feature interface polarization which allows the system design engineer to use the same basic connector in three different circuits without concern of mismating the circuits. Polarization is controlled by the numbers and/or dissimilar spacing of the bayonet lugs on the receptacle. There are three conditions of polarization available.

CABLE ASSEMBLIES
**Cable Assembly Ordering Information:** All cable assembly cable lengths are to be specified in inches only. For example, to order part number 178-6027 with a cable length of 10 feet 8 inches the cable assembly part number would be specified as 178-6027-128N.

**Note:** Product numbers and specs subject to change without notice. *Products listed represent only a small selection of Teledyne Reynolds’ products please visit www.teledynereynolds.com for the most up to date product information. Contact Teledyne Reynolds’ Engineering to discuss custom designs. WARNING: Connectors should NEVER be handled mated or unmated when voltage is applied.

**Panel Mounting Torque:** 36 to 42 in-lbs

**Max. Leak Rate:** 1x10^-8 ccs He @1 ATM differential pressure

Plug Kits

**Shielded**
- 31 167-8669 Uses Wire 167-2669

- While plugs kits are available for customer-fabricated cable assemblies, Teledyne Reynolds highly recommends purchasing cable assemblies because of difficulties customers may experience in assembly and testing.

- 31 and 310 series plugs mate 311 series conditional polarized receptacles.

Receptacles

Polarized, Non-Sealed, Front Mount
- 311 COND. 1 167-7792
- 311 COND. 2* 167-7793
- 311 COND. 3 167-7794

- Panel Mounting Torque: 36 to 42 in-lbs

Ceramic-to-Metal, Brazed Hermetic (Not Shown)
- 311 COND. 1* 167-7605-1
- 311 COND. 2* 167-7605-2
- 311 COND. 3* 167-7605-3

- Sealed for 1 ATM differential pressure
- Mounting: Weld Flange
- Max. Leak Rate: 1x10^-8 ccs He @1 ATM differential pressure
- Special order item

**Product numbers and specs subject to change without notice.**

**Contact Teledyne Reynolds’ Engineering to discuss custom designs.**
SPECIAL ORDER ADAPTORS

SPECIAL ORDER CONNECTORS & ADAPTORS (Not shown)

WIRE SPECIFICATIONS

* For reference, part numbers 167-2896 and 167-2669 are known as "Type L" cable and "Type C" cable, respectively. Kovar™ is a registered trademark of the Carpenter Technology Corporation.