

## At a glance

Martec's hermetic Co-axial interconnectors provide:

- **Standard impedance of 50, 75 or 90  $\Omega$  (non-standard requirements can be met)**
- **Bespoke terminations and interfaces for critical, high performance system applications**
- **Low insertion loss and reflection coefficients**
- **Optimised cable interfacing and system performance**
- **Industry standard form factors available (e.g. BNC; SMA; SMB & N types)**
- **Pressure differentials up to 60,000 psi**
- **Operating temperature range from -55 °C to +250 °C (material dependent)**

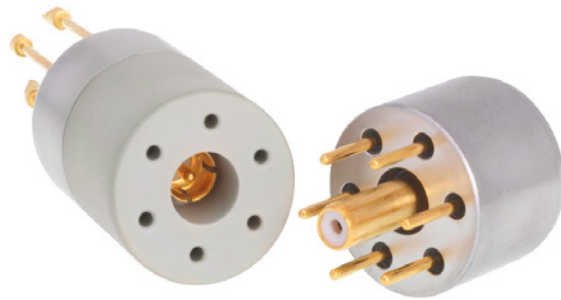
# Co-axial connectors

## Meeting the standard, supplying the exceptional

Martec's impedance matched Co-axial connectors can be supplied in hermetic designs to meet standard impedance requirements of 50, 75 or 90  $\Omega$ . Alternatively, we can provide bespoke designs to suit your system requirements of a non-standard impedance level, to ensure optimal system performance.

Our connectors are supplied in industry standard form factors, such as BNC, SMA, SMB and N types, and are produced in a variety of materials to meet your specifications. These include stainless steel and titanium with a choice of electroplated finishes, as well as selective plating options to optimise earth bonding.

To ensure optimum performance of complete cable assemblies, we can conduct frequency analysis to the requirements of your system.



## A connection that resists the elements

The environment that you want your network to withstand is no longer an issue with Martec's impedance matched Co-axial connectors. Our hermetic connectors use technologies and materials to ensure that whatever is happening outside does not affect network performance. Martec's connectors can be supplied to withstand pressure differentials up to 60,000 psi, while their operating temperature can range from -55 °C to +250 °C, depending on the materials selected.

**Our world-class performance engineered solutions are at the forefront of technology**



## **Make the right connection**

To ensure your network is not let down by its connections, speak to Martec about how we can supply you the highest reliability and performance Co-axial connectors on the market.



## **About Martec**

Since 1987, Martec has been designing, developing and manufacturing high-reliability interconnection devices for mission-critical applications across industries operating in hostile environments. These include: oil and gas; military; aerospace; marine; nuclear; security; and medical.

Our world-class performance engineered solutions are at the forefront of technology, developed using an application-focussed approach that builds on our extensive systems and materials expertise.

Whether you require high volume production or a one off project, we are able to design and develop a bespoke solution in partnership with you and your team.

Martec is proud to be independently owned and managed, operating from a purpose built, world-class design and manufacturing site in the UK.

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