CONNECTORS

The ST Series connectors combine a bayonet twist-lock connection with a unique self-sealing design to provide a watertight, environmentally and hermetically sealed fiber termination when used with an ST Series adapter. The termination is completely protected from wet environments and particulate that can irreversibly degrade optical fiber. The ST-DRY® is fabricated from nickel-plated brass, and the ST-DRY HP is fabricated from 316 series stainless steel. The ferrules and alignment sleeves are made of precision-machined zirconia. The ST-DRY HP Series is intended for use in environments where the assemblies are likely to be submerged in water or subjected to rain, ice, high humidity or temperatures from -67ºF to 185ºF (-55ºC to 85ºC). ST Series connectors have passed stringent immersion and heat/humidity tests with minimal light loss.

FEATURES & BENEFITS

Compatibility—Universal bayonet twist-lock connection; works with both single and multi-mode fiber

Environmentally Sealed—No signal degradation
- Effective sealing action eliminates damage from moisture or particulate
- Tested up to 500 mate/demate cycles

Temperature and Humidity Resistance—Clarity of signal. Tested from -67ºF to 185ºF (-55ºC to 85ºC) and subjected to stringent heat/humidity with 0.5dB maximum insertion loss

Waterproof—No water penetration to affect signal

SPECIFICATIONS

- Ferrules and alignment sleeves are precision-machined zirconia
- Made from high quality corrosion resistant materials; ST-DRY is nickel-plated brass; ST-DRY HP is 316 series stainless steel
- Typical light loss is less than 0.5dB

APPLICATIONS

- Aerospace
- Chemical processing
- Defense
- Industrial
- Oil and gas
- Pharmaceutical production
- Security
- Telecommunications

Statements and recommendations in this publication are based on our experience and knowledge of typical applications for this product and shall not constitute a guarantee or warranty of performance nor a modification or alteration of our standard product warranty which shall be applicable to such products. To ensure hermeticity and environmentally sealed connections that utilize a Lancer Systems adapter and/or feedthrough it is IMPORTANT that you use only connectivity products from Lancer Systems. The performance of the connector within a given assembly can produce varying results.