



*Lumière Termini - Long and Short Boot*

## About the Lumière

Amphenol Fiber Systems International (AFSI) offers the Lumière fiber optic terminus for commercial airframe, avionics and aerospace applications. AFSI's Lumière termini are a direct replacement for ELIO® termini and are compatible with existing ELIO® connectors. This fiber optic contact utilizes a 2.5mm diameter field-proven ceramic ST type ferrule which can be inserted into a size #16 cavity.

The terminus is hermaphroditic allowing the use of the same contact on the receptacle or plug. In addition, the contact is available in both multi-mode and single mode versions and an anti-rotation feature allows PC, UPC and APC polishes. Because the Lumière uses a standard ST type ferrule, well known procedures and readily available tools can be used for termination. Long and short boot versions are available to support multiple connector types.

Amphenol also manufactures a full line of EN 4531 rectangular and cylindrical connectors to house the Lumière terminus.

## Applications

- In-Flight Entertainment Systems
- Avionics
- Heads-Up Displays
- Airframe

*(All dimensions are in inches unless otherwise noted.)*

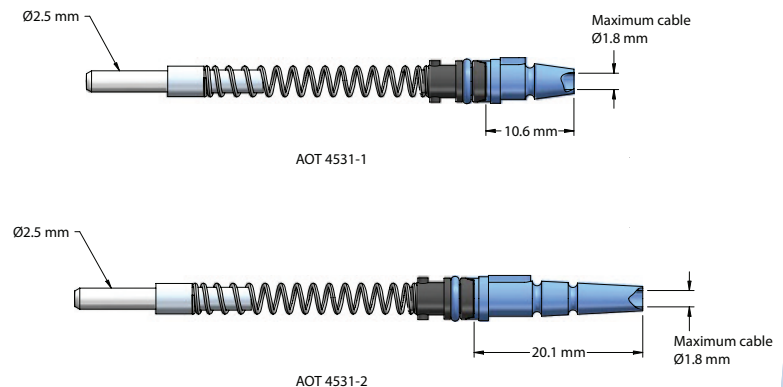
## Features & Benefits

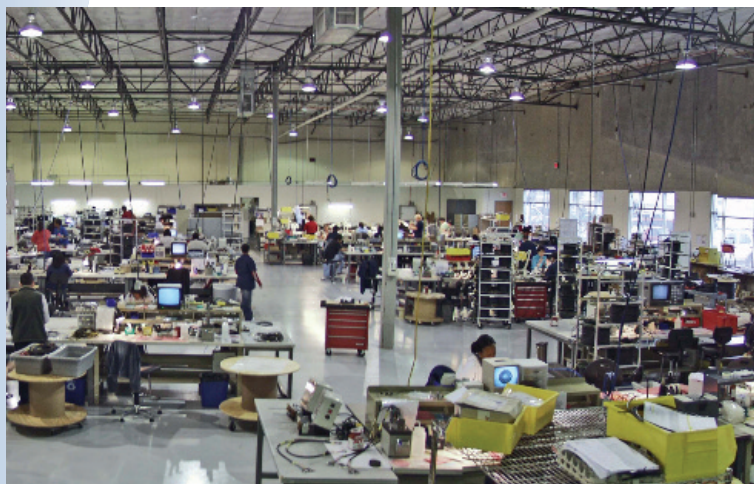
- Hermaphroditic style allows one contact type
- Standard 2.5mm ST type ferrule interface allows the use of standard termination procedures and readily available tools
- Simple access to optical termini facilitates cleaning
- Options available for single mode and multimode fiber
- Pull Proof option allows the use of the terminus in a connector without a backshell
- Supports both tight or loose structure cable

## Optical Performance

Typical IL: 0.3dB SM, 0.2dB MM @ 1300nm

Typical Return Loss: -30dB SM and MM @ 1300nm





## Ordering Information

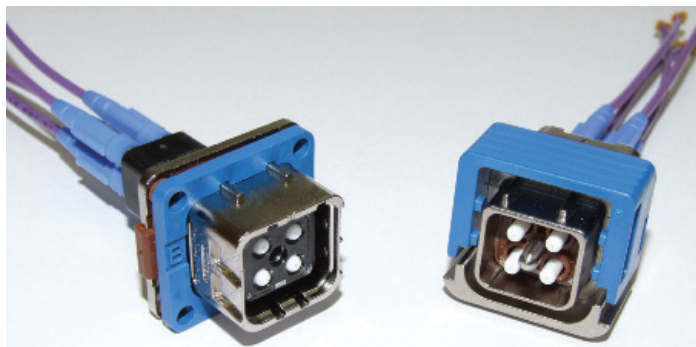
| Part Number | Description           |
|-------------|-----------------------|
| AOT 4532-1  | Lumière-S, Short Boot |
| AOT 4531-2  | Lumière-L, Long Boot  |

## About Amphenol Fiber Systems International

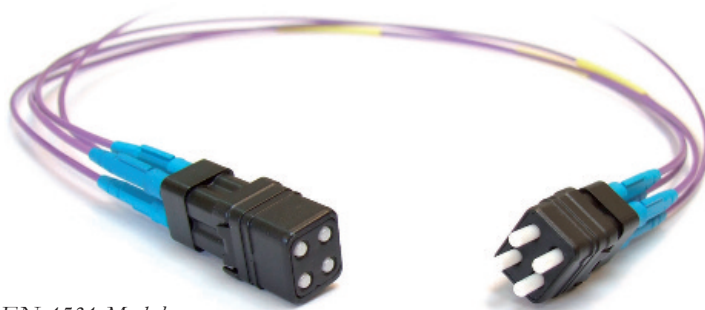
Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than a decade in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

AFSI has delivered millions of fiber optic connectors in more than 34 countries. Whenever there is a need for superior, cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, quality products and expert technical support.

Visit [www.fibersystems.com](http://www.fibersystems.com) for more information.



*Lumière Termini in an EN 4531 Module*



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