

Lumière Fiber Optic Termini



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 EN4531 termini and are compatible with existing EN4531 (or ELIO®) connectors. This fiber optic contact utilizes a 2.5mm diameter field-proven ST type ceramic ferrule.

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

Amphenol also manufactures a full range of EN 4531 circular and rectangular connectors to house the Lumière termini.

Features & Benefits :

- Hermaphroditic style allows one contact gender
- ST type ferrule 2.5mm, uses standard termination tools and procedures
- Simple access to optical termini for easy cleaning and inspection
- Options available for single-mode and multi-mode fiber
- Pull-proof option allows the use of the terminus in a connector without strain relief
- Supports both tight and loose structure cables

Applications :

- IFE systems
- Avionics
- Heads-up displays
- Airframe

Optical Performance :

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

Typical RL: -30dB SM and MM @ 1300nm

Amphenol Fiber Systems International (AFSI) :



Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports the broadest portfolio of reliable and innovative fiber optic interconnect solutions to withstand the harsh environments of military, aerospace, heavy industrial, broadcast and medical applications. Since inception in 1993, AFSI continues to advance its position as a global leader in harsh environment fiber optic interconnect.

AFSI has delivered millions of fiber optic solutions in more than 30 countries. Whenever there is a need for superior, cost-effective fiber optic systems to withstand the harshest of operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

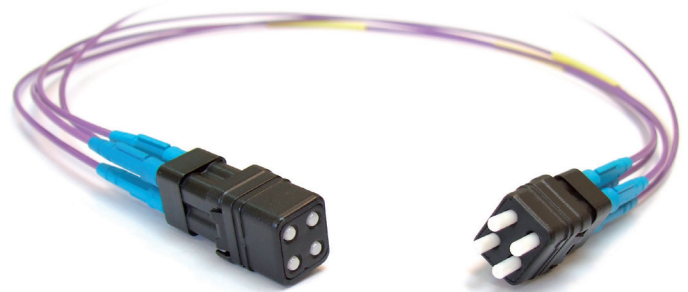
Visit www.fibersystems.com for more information.

Lumière Ordering Information :

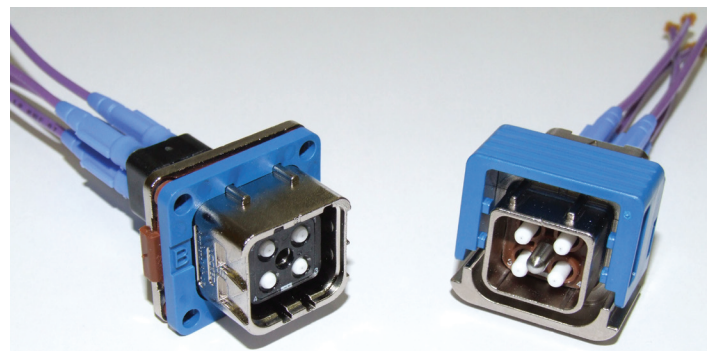
Part Number	Description
AOT 4531-1	Lumière, Short boot, MM, 62.5 & 50/125
AOT 4531-2	Lumière, Long boot, MM, 62.5 & 50/125
AOT 4531-5	Lumière, No Boot, MM 62.5 & 50/125
AOT 4531-8	Lumière, Short boot, MM, 200/230
AOT 4531-10	Lumière, no boot, MM, 200/230
AOT 4531-11	Lumière, Short boot, SM, 9/125
AOT 4531-12	Lumière, Long boot, SM, 9/125

How to Order :

For more information on how to order or to obtain a price quote on our Lumière products, call toll free (U.S. only) at 800.472.4225, international calls please use 1.214.547.2400 or e-mail info@fibersystems.com.



EN 4531 module



Lumière Termini in EN 4531 module and ARINC 809 connector

Amphenol Fiber Systems International, Inc.

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Amphenol Fiber Systems International (AFSI), a division of Amphenol Military & Aerospace Operations (AMAO), is the largest manufacturer of harsh environment fiber optic cable assemblies & connectors in the world. Visit AMAO at amphenolmao.com