



SMPTE 304M Series Termini

About SMPTE 304M Series Termini

Amphenol Fiber Systems International's (AFSI) SMPTE 304M series fiber optic termini (110-115-1 pin and 110-115-2 socket) provide superior optical and mechanical performance. Designed to fit into SMPTE 304M standard connectors from AFSI, (and other selected suppliers), this low cost, high precision termini family is ideal for use in harsh environment fiber optic interconnections. Available for single mode and multimode fibers, these termini conform to the interface requirements of the SMPTE 304M standard.

The 110-115-1 and 110-115-2 series termini utilize the highest quality zirconia ceramic ferrules and split alignment sleeves available. AFSI's tight-tolerance ferrules are optimized for low insertion loss, low back reflection and exceptional durability. The spherical end face ferrules are suited for either standard or ultra polishes for high bandwidth/high data rate applications. In addition, epoxy removal and polishing times are minimized by the ferrule's pre-domed design feature. These termini are direct replacements for LEMO® termini FFS-F2-BX2.LCE30 and PPS-F2-BX2.LCE30.

The 110-115 termini's zirconia split alignment sleeve design ensures accurate physical contact, fiber-to-fiber alignment and guarantees the highest performing connection of its kind for use in a variety of demanding environmental conditions.

This fiber optic termination system offers precise, superior and reliable connections over repeated connector mating cycles and over a wide range of harsh environmental conditions.

Features & Benefits

- Direct replacements for LEMO® termini FFS-F2-BX2.LCE30 and PPS-F2-BX2.LCE30
- Precision fiber optic zirconia ceramic ferrules for SM and MM fibers
- Pre-radius spherical ferrule end face design
- PEEK engineered resin crown clip for increased reliability
- Precision “press fit” stainless steel ferrule holder design. Accurate ferrule/split sleeve alignment system
- Captive removable split sleeve alignment system permitting rapid cleaning
- Easy snap-in installation in connector insert; fast removal with tool
- Low insertion loss and high return loss
- Designed and manufactured to SMPTE 304M standard requirements and interface
- Solid reliable connectivity in harsh environmental conditions
- Suited for attachment to 2mm and 3mm diameter jacket fibers
- Fast termination and polish time. Reliable, repeatable and durable connections

Applications

- Studio & Outdoor Event Broadcast
- Commercial/Industrial
- Medical

How to Order

For more information on how to order or to obtain a price quote on the SMPTE 304M Series Termini or any of our other products, please call us at 800.472.4225. International calls please use 1.214.547.2400 or email sales@fibersystems.com.

SMPTE 304M Termini Product Specifications

Specification	Measurement/Detail
Back Reflection	Better than -40 dB – standard PC polish Better than -50 dB – UPC polish
Insertion Loss	0.5 typical (measured with 9/125mm fiber@1550nm)
Operating Temperature	-°C to +°C
Temperature Life	
Humidity	
Vibration	G
Mechanical Shock	G
Mating Durability	5000 cycles minimum
Salt Spray	
Cable Retention Force	N (dependent on cable construction)

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. Altogether, AFSI has delivered millions of fiber optic connectors worldwide. 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, top-quality products and expert technical support.

For more information about AFSI, please visit our web site at www.fibersystems.com

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TFOCA-II[®] is covered by U.S. Patents 6,305,849, 6,371,660 and 6,357,929

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