



AFSI offers MIL-PRF-64266 (NGCON)

Amphenol Fiber Systems International (AFSI) now offers the MIL-PRF-64266

(NGCON) fiber optic terminus, connector and backshell suite for military and aerospace applications. NGCON resulted from a collaboration of the Naval Sea Systems Command (NAVSEA), Naval Air Systems Command (NAVAIR), the Defense Logistics Agency (DLA), and industry to create a single standard product for shipboard and aerospace requirements.

Using proven technology from the MIL-PRF-28876 and MIL-DTL-38999 connector specifications, this high channel count fiber optic connector system (with four shell sizes supporting fiber counts from 2 to 36) offers the tightest mechanical tolerances in the most rugged and versatile packaging available on the market today. This connector family includes innovations such as rear-release genderless contacts, wide temperature range and high-density packaging.

NGCON also features a ratcheting plug, a full-mate indicator, a double-start thread and twelve keying options. In addition, the NGCON connector improves initial insertion loss by 0.25 dB for single mode and as much as 0.50 dB for multimode performance. NGCON uses an easily removable alignment sleeve retainer (ASR) and a single genderless terminus to improve maintainability and also to allow full and open access in both the plug and receptacle to the terminus end-face for cleaning and inspection. The backshell attachment coupling mechanism conforms to the M38999 Series III design specification. Any Series III backshell of similar shell size will fit on an NGCON plug or receptacle connector.



Lumière

AFSI offers the Lumière fiber optic terminus for commercial airframe, avionics and aerospace applications. AFSI's Lumière terminus are a direct replacement for ELIO® terminus 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.

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The terminus is genderless, 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. 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.

ELIO® is a trademark of Souriau.

AFSI has provided Northrop Grumman Integrated Platform Solutions (IPS) with high quality products and services on time for six consecutive calendar quarters.

In recognition of this achievement, AFSI was recently honored as a Certified Blue Supplier. Northrop Grumman presents these certificates to demonstrate not only their own appreciation but also the appreciation of their U.S. Military end customers.



SMPTE 304M Fanout

AFSI introduces the expanded fanout for the 110-Series connectors conforming to the SMPTE 304M Standard.

AFSI's 110-Series product suite now includes both front and rear mount square flange receptacles and flange mount strain relief receptacles, in addition to AFSI's SMPTE 304M female/male plugs. AFSI offers complete HDTV connectivity from the panels/CCU to the camera.

These hybrid connectors are designed to work with high definition broadcast television cameras used worldwide for the production and transmission of high definition TV programming.

The connectors are fabricated from stainless steel to withstand corrosive elements when exposed to extreme harsh outdoor environments and are sealed to an IP68 rating to block out ingress of damaging dirt, dust and moisture.

While intended primarily for use for HDTV broadcast applications, these connectors are ideal for other applications that call for rugged hybrid fiber optic connections. Optional materials, finishes, inserts, and keying configurations are available as custom configurations. The connectors are also offered with optional custom cable attachments allowing use with other cable structures.

Any questions or input? Please contact Anita Butler at abutler@fibersystems.com