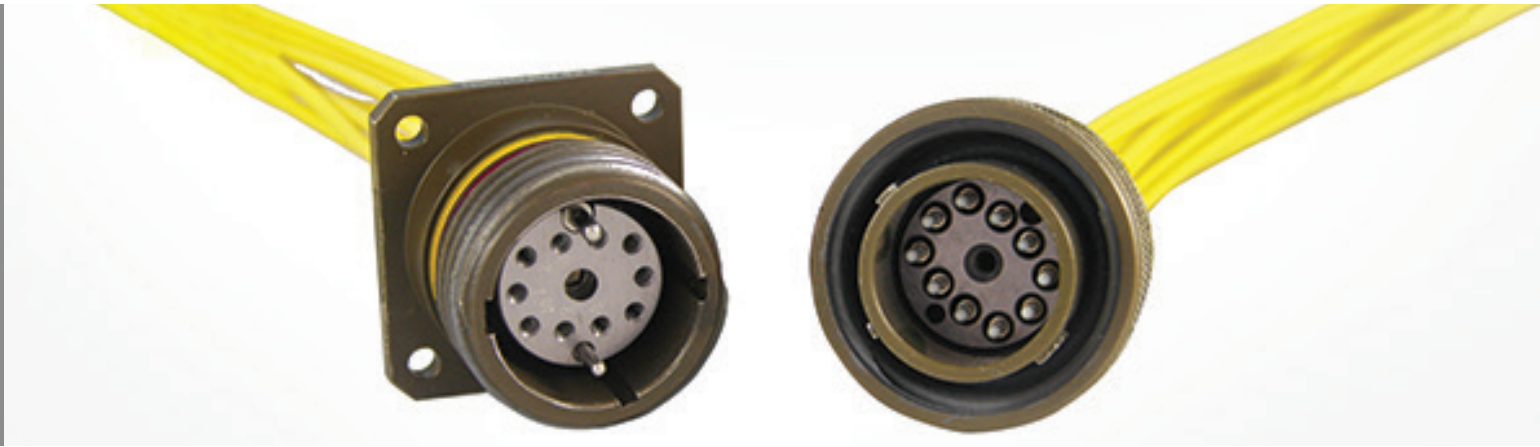


NGCON Fiber Optic Connector Series



The Next Generation Connector (NGCON) is designed and manufactured using proven technology and features from existing D38999 and M28876 connector standards. This innovative connector series includes genderless fiber optic termini and high density packaging.

Features & Benefits :

- Compliant with NGCON MIL-STD-64266 military standard
- Removable ASR to allow easy maintenance
- Ratcheting coupling nut to resist vibration
- Traverse sealing via O-ring on termini to eliminate troublesome rear grommet
- Replaceable retaining clip on contact ensures long service life
- Rear release contact requires no pulling on fiber
- D38999 accessory threads on rear and M28876 coupling threads
- Precision machined inserts with sub-alignment pins
- Full complement of tactical backshell
- Follows M28876 panel cutouts
- High Density arrangements

Applications :

- Avionics
- Naval shipboard/dockside communications
- Other military fiber optic interconnect applications



Product Shell Sizes & Channels :

| | Multimode | Single-mode |
|-----------------------------|-----------|-------------|
| Ferrule (OD) | 1.25mm | 1.25mm |
| Fiber Type | 50/125 | 9/125 |
| Insertion Loss (dB typical) | 0.25 | 0.25 |
| Maximum Loss (dB maximum) | 0.75 | 0.75 |
| Return Loss (dB typical) | 35 | 50 |
| Return Loss (dB minimum) | 30 | 60 |
| Channel Servicing | Single | |
| Channel Repair | Single | |
| Cyclic Durability | 500 | |

Product Shell Sizes & Channels :

| Shell Size | Channels | Accessory Thread |
|------------|----------|------------------|
| 11 | 2, 4 | M15 X 1 |
| 13 | 6 | M18 X 1 |
| 15 | 8, 10 | M22 X 1 |
| 23 | 18, 36 | M34 X 1 |

Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013

Phone: (214) 547-2400 | Email: sales@fibersystems.com | Website: amphenol-fsi.com

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.

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.

How to Order :

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

Build a NGCON Connector (Ex: NG01-DA11) :

| 1. | 2. | 3. | 4. | 5. |
|-----------|------------|-----------------------------|-----------------------|--------------------|
| Basic PIN | Shell Size | Class (Material Designator) | Shell Keying Position | Insert Arrangement |
| NG01 | D | A | 1 | 1 |

| 1. Basic PIN | |
|--------------|-------------------------|
| NG01 | Flange Mount Receptacle |
| NG02 | Plug |
| NG03 | Jamnut Receptacle |

| 2. Shell Size | |
|---------------|----------|
| B | Shell 11 |
| C | Shell 13 |
| D | Shell 15 |
| H | Shell 23 |

| 3. Class (Material Designator) | |
|--------------------------------|---|
| A | Aluminum with CAD Electrolytic Compatible Plating |
| B | Stainless Steel, Passivated |
| D | Aluminum with Non-Conductive Finish |
| F | Aluminum with CAD Olive Drab Plating |

| 4. Shell Keying Position | |
|--------------------------|-------------------------|
| | NG02 Shell 11 (B) Angle |
| 1 | 55° |
| 2 | 80° |
| 3 | 105° |
| 4 | 130° |
| 5 | 230° |
| 6 | 255° |
| 7 | 280° |
| 8 | 305° |

| 5. Insert Arrangement | |
|-----------------------|------------|
| Shell Size 11 (B) : | |
| 1 | 2 Channel |
| 2 | 4 Channel |
| Shell Size 13 (C) : | |
| 1 | 6 Channel |
| Shell Size 15 (D) : | |
| 1 | 8 Channel |
| 2 | 10 Channel |
| Shell Size 23 (H) : | |
| 1 | 36 Channel |
| 2 | 18 Channel |