



### About the FSBDC Connector

Amphenol Fiber Systems International (AFSI) has announced the latest addition to its Harsh Environment product portfolio. The FSBDC Bayonet Duplex Connector for a variety of applications in harsh environments.

FSBDC is rugged, has a tri-mating bayonet locking mechanism, and is sealed ensuring high environmental and optical performance in a variety of applications ranging from land tactical to telecom applications.

The FSBDC is based on the proven Pattern 105 size 10 series of electrical connectors. The bayonet coupling offers simplistic and quick mating/de-mating. The shell material can be brass, aluminium or marine bronze. Keying options provide superior alignment, optical performance and can also prevent misconnection. This connector series is compatible with tactical cable styles for the plug and simplex ruggedised cable for the receptacle both in multimode or singlemode.



### KEY FEATURES

- Multimode, Singlemode available
- Ø2.5mm Ceramic Ferrule
- Minimal panel footprint
- Low insertion loss
- IP 68 sealing
- Keyed shells for optimum repeatability
- Protective caps for all styles
- >500 cycles mating durability
- Operating temperature -55C to + 125C

### APPLICATIONS

- Military Land Communications & Vehicles
- Shipboard
- Telecommunications

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 two decades in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components, systems and solutions

AFSI has delivered millions of fiber optic connectors worldwide. Whenever there is a need for superior 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.

For more information about AFSI, please visit our website at [www.amphenol-fsi.com](http://www.amphenol-fsi.com)

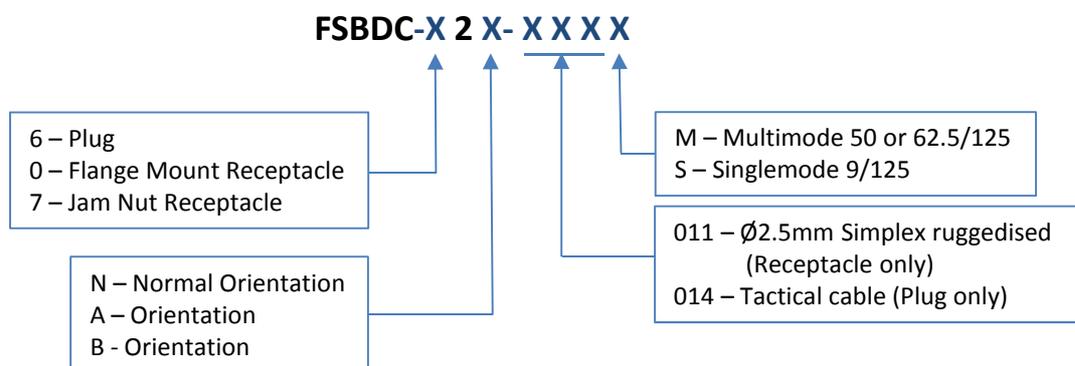


## FSBDC SERIES – RUGGED FIBER OPTIC CONNECTORS

### PERFORMANCE

Insertion Loss	<0.6dB with 62.5125
Fiber Types	9/125, 50/125 & 62.5/125
Temperature Range	-55 - +125 Deg C
Vibration	10Hz to 5000Hz
Shock	As per EN2591 Test FD2 D2 Method A
Durability	>500 mating cycles
Material	Brass, Aluminium, Marine Bronze
Finish	Electroless Nickel, Cadmium Olive Drab, Black Zinc Nickel
RoHs	Brass/Nickel, Black Zinc Nickel, Marine Bronze

### FSBDC SERIES ORDERING INFORMATION



FOR MORE INFORMATION PLEASE CONTACT THE FACTORY

**Amphenol**  
MILITARY & AEROSPACE

Specifications subject to change without notice.

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