FSA Fiber Optic Sealing Assemb

Conax Technologies has adapted our proven soft sealant capability to include the ability to compress a soft sealant material around the outside diameter of a fiber optic cable. The fiber optic cable is encased within a rugged stainless steel sheath that protects the cable from damage during the sealing process. This sheath is then placed through a seal fitting. This process allows the fiber optic cable to be sealed without the use of epoxies and with minimal outgassing.

The fiber optic feedthrough sub-assembly can be used with various Conax Technologies Seal Fittings, including multiple hole fittings, and can be adapted for special applications.

Features

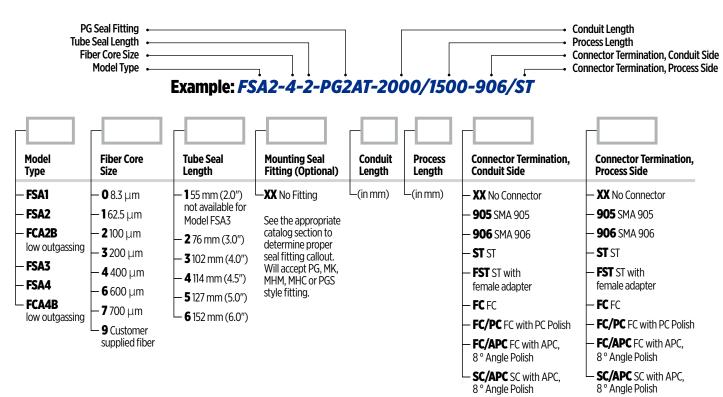
- Wide range of connector terminations: ST, SMA, FC, FC/APC, FC/PC and SC/APC
- Standard fiber core sizes: 8.3, 62.5, 100, 200, 400, 600, 700 micron and larger
- Adaptable to customer-supplied fiber
- Can seal outside buffer diameters from 400 to 1040 microns

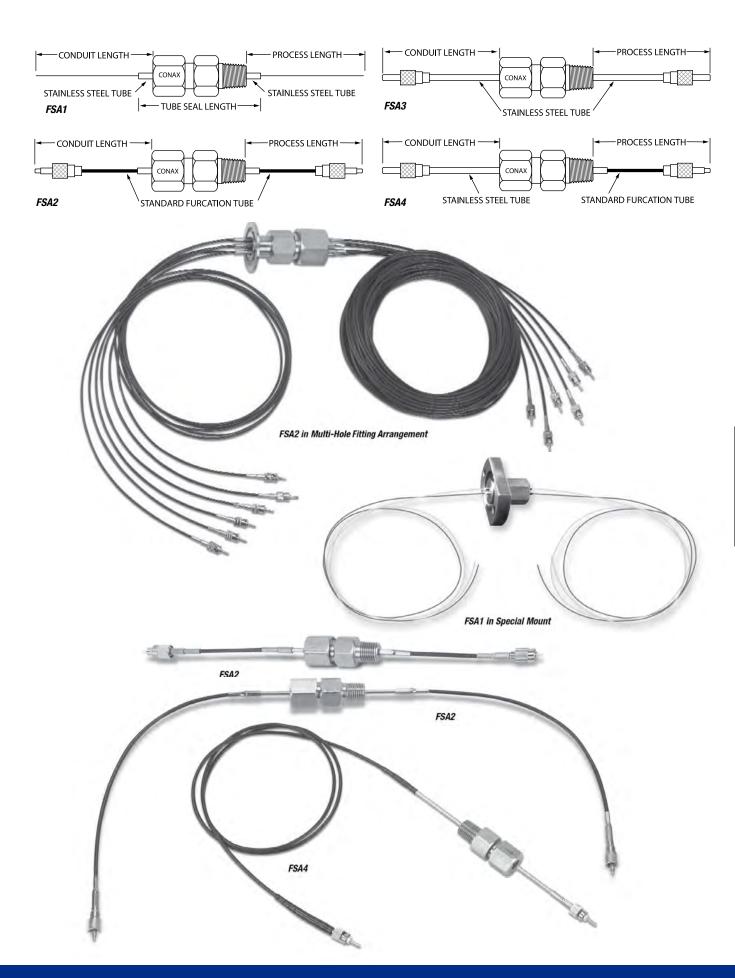
- Protection Tubing: Standard furcation tube (black in color) is constructed of a polypropylene inner tube with a dried Kevlar[™] Aramid yarn strength member and a 3.0 mm outer polyethylene jacket.
- Models FSA2 and FSA4 are available with a low-outgassing furcation tube. Please specify FSA2B or FSA4B for this feature.

Specifications

- Helium Leak Rate: 1x10⁻⁶ scc/sec typical
- Transmission Loss: Less than 0.3 db typical (not including) connectors)
- Pressure Range: 1000 PSIG (70 bar) standard
- Temperature Range: -4 °F to +185 °F (-20 °C to +85 °C). Higher temperature models are available in some configurations. Please consult factory.

Catalog Numbering System





FCA High Performance Fiber Cable Assemblies

Conax Technologies offers high performance cable assemblies for use in applications such as laser delivery systems, telecommunications, fiber-to-fiber connections. test & measurement systems, and research. These cable assemblies feature high quality, reliable factory terminations and are available in a variety of lengths, fiber types and connection styles. Each cable assembly can be optically tested for connection losses.

Features

- Available with or without connector terminations
- Standard fiber core sizes available: 8.3, 62.5, 100, 200, 400 micron and larger
- Can build cable using customer-supplied fiber
- Protection Tubing: Models FCA1 and FCA2 use a standard furcation tube (black in color) constructed of a polypropylene inner tube with a dried Kevlar™ Aramid yarn strength member and a 3.0 mm outer polyethylene jacket. These models are also available with a low

- outgassing furcation tube (blue in color) constructed of a PVDF inner jacket with a dried Kevlar™ Aramid yarn strength member and a 3.0 mm PVDF outer jacket.
- Model FCA3 uses the standard furcation tube with a stainless steel overbraid. Please specify FCA1B or FCA2B for this feature.

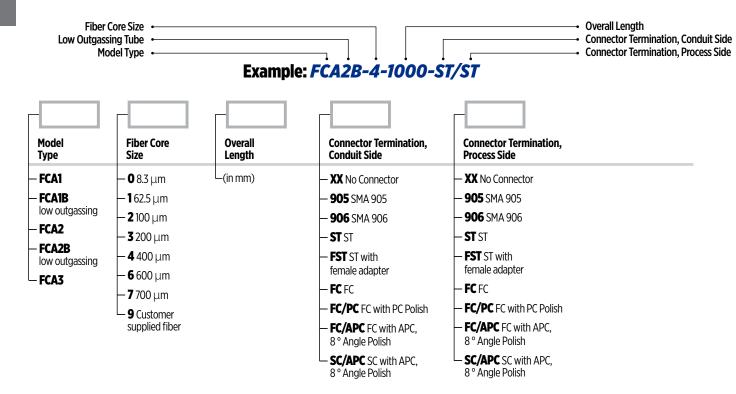
Specifications

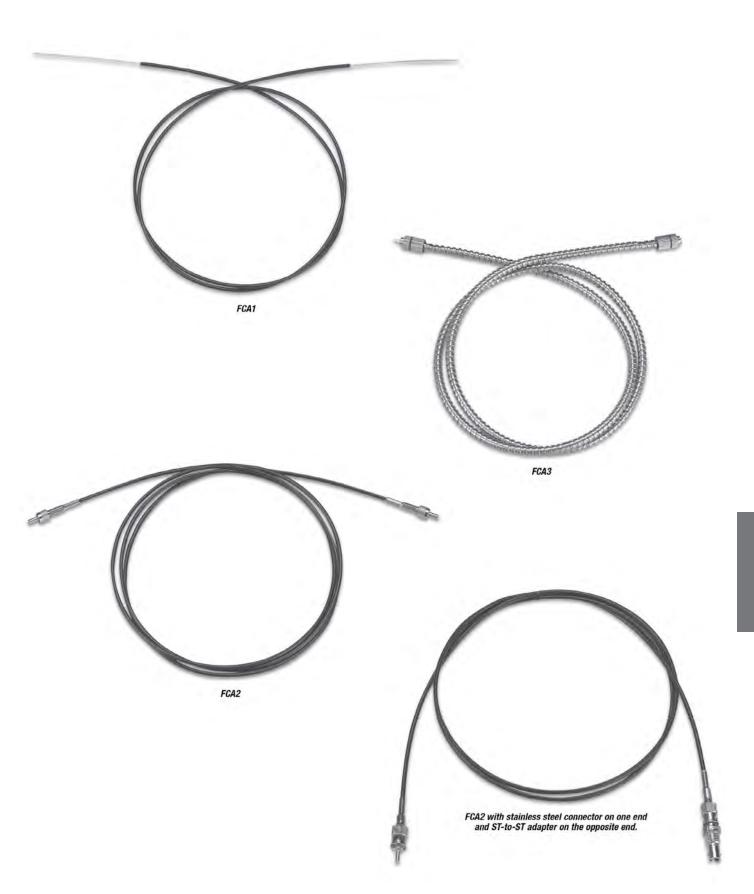
- Transmission Loss: Less than 0.3 db typical (not including connectors)
- Temperature Range: -4 °F to +185 °F (-20 °C to +85 °C). Higher temperature models are available in some configurations. Please consult factory.

Benefits

- Rugged construction
- Fiber optic cable is protected inside the sheath
- Uses low outgassing materials

Catalog Numbering System





NOTES/ACKNOWLEDGEMENTS

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