



NUCLEAR CONTAINMENT SEALS

Fiber Optic

Feedthroughs

APPLICATIONS

- Permanent video
- Telecommunications and computer links for Health Physics data from inside containment

FEATURES

- 1.0" diameter stainless steel feedthrough
- Eight (8) continuous fibers per assembly
- Multi and Single mode available
- Silica core and cladding, with a Pyrocat buffer
- Graded Index multi-mode fibers available with 50, 62.5, and 100 μ silica cores.
- Single mode fibers typically have a 8.9 μ silica core
- Pigtailed protected by polyolefin heatshrink, inside a stainless steel monocoil flexible tubing
- Typical pigtail lengths range from 4 to 20 feet on either side of the feedthrough module
- Pigtailed are terminated with optical connectors at MTCN
- Connectors can be type ST, SC or as specified
- Technical and engineering support available

DESCRIPTION

Mirion Technologies (Conax Nuclear)'s fiber optic feedthroughs allow data to be transmitted over longer distances and at a faster rate. Fiber Optic feedthroughs can be used in new penetrations or retrofitted in existing EPAs.

QUALIFICATIONS

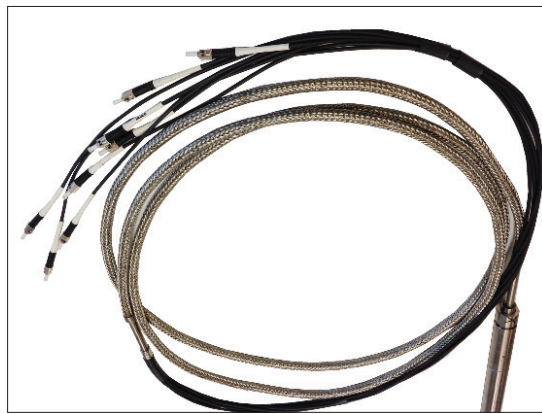
- Qualified by test to the current standards of IEEE-317
- Radiation resistance: 2.25x10⁸ rads Gamma
- Seismically qualified for RRS of 10 G's OBE, 15 G's SSE at 2% damping
- DBE peak of 405 °F (207 °C) at 80 psig and a chemical spray of boron, sodium hydroxide and hydrazine for an initial pH of 11.0
- Quality Assurance Program meets the requirements of 10CFR50, Appendix B, and ANSI/ASME NQA-1
- Qualified for containment pressure boundary and non-1E applications

Featuring: **conax
nuclear**

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Canister Design Fiber Optic Feedthrough



Braided Assembly for Ruggedized Covering of Fiber Optic Cables

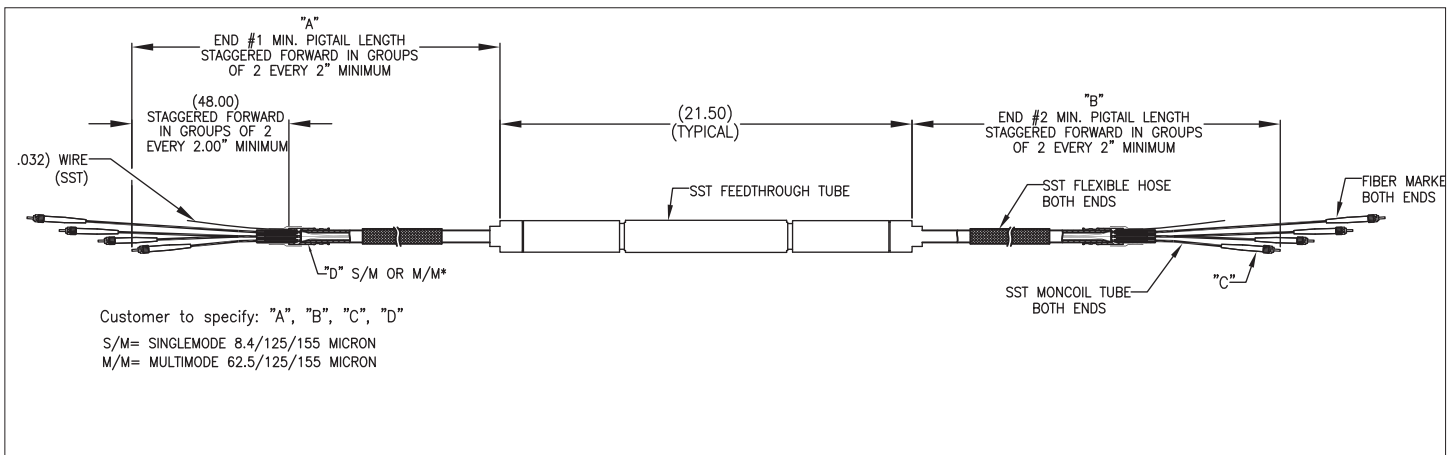


Diagram of Fiber Optic Feedthrough