



NUCLEAR CONTAINMENT SEALS

Fiber Optic

Feedthroughs



DESCRIPTION

Mirion Technologies Fiber Optic feedthroughs allow data to be transmitted over longer distances at a faster rate. Fiber Optic feedthroughs can be used in new penetrations or retrofitted in existing Electric Penetration Assemblies (EPA).

QUALIFICATIONS

- ✓ Qualified by test to the current standards of IEEE-317
- ✓ Radiation resistance: 2.25×10^8 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

FEATURES

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

APPLICATIONS

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

FIBER OPTIC FEEDTHROUGHS NUCLEAR CONTAINMENT SEALS



Canister Design Fiber Optic Feedthrough



Braided Assembly for Ruggedized Covering of Fiber Optic Cables

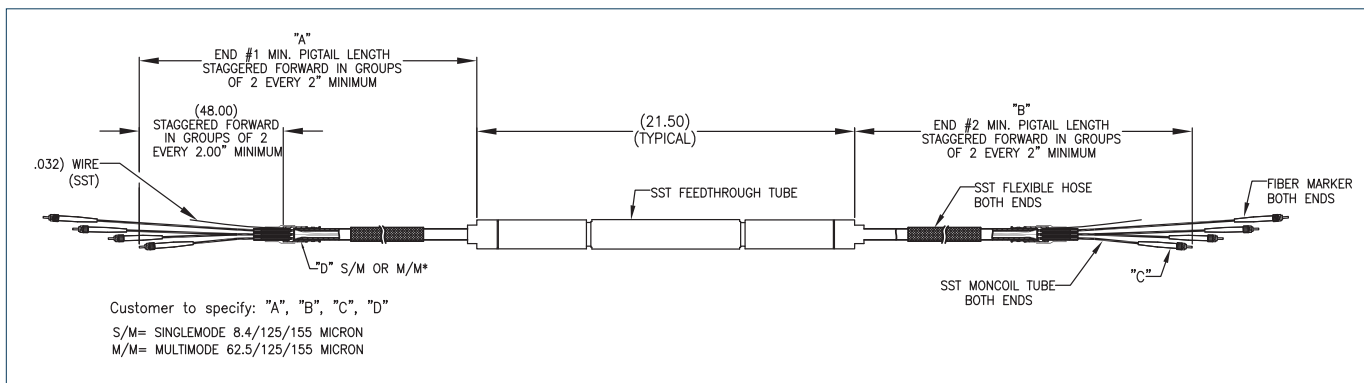


Diagram of Fiber Optic Feedthrough



Copyright © 2024 Mirion Technologies, Inc. or its affiliates. All rights reserved. Mirion, the Mirion logo, and other trade names of Mirion products listed herein are registered trademarks or trademarks of Mirion Technologies, Inc. or its affiliates in the United States and other countries. Third party trademarks mentioned are the property of their respective owners.