



SmartScan Aero Mini Optical Interface Cable (SSAMOIC)

Key Features

- Ruggedized & Robust Aerospace Grade Cable Assembly
- MIL Spec Connector
- Excellent Optical Performance Maintained in Harsh Environments
- Keyed Mating Alignment
- Optimized Inspection and Cleaning Process with Convenient Access to the Optical End Face

About SmartScan Aero Mini Optical Interface Cable

The Optical Interface Cable for SmartScan Aero Mini (SSAMOIC) is a compact and robust connection system to connect the [SmartScan Aero Mini](#) FBG interrogator to a sensor network.

SSAMOIC assembly provides excellent high-end performance in the most severe environments and is the ideal solution when reliable optical connectivity is required. The keyed connector housing was designed for optimum optical performance in Single mode APC and provides excellent return loss levels even when used in a variety of harsh environments, including aerospace and military applications.

The ruggedized connecting cables are aerospace grade to ensure complete long term protection of the fibers in harsh environments experienced during aerospace travel. The optical interface cable is supplied with 4 temporary FC/APC connectors¹. For best performance it is recommended that the user splices the cable assembly directly onto the sensor network. Other cable configurations available upon request.

Specifications

Parameter	Value
Connector Type	1 x Radiall LuxCis Mil-Dtl-38999 4-way APC (instrument side) 4 x FC/APC (sensor side)
Number of Channels	4
Cable Length	1.5 m each
Operating Temperature Range	-55 to +125 °C
Connector Durability	500 mating cycles
Connector Vibration	43 Grms, 60 G sinus (Standard: TIA/EIA 455-11)
Connector Shock	300 G, 3 ms (Standard: TIA/EIA 455-14)

¹ Not suitable for use in aerospace environments.

Specifications may change without notice

Order code: **S-OICAM**