

# WaveSmart®

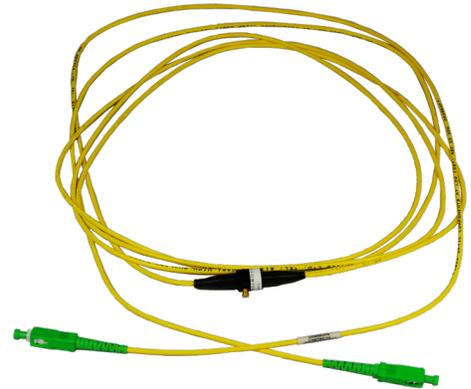
## VOA and Patch Cord Splitter



### Application

A variable optical attenuator (VOA) is a device designed to attenuate an intensity or power level of an input optical beam in a controlled manner to produce an output optical beam with different attenuated intensities. Variable optical attenuators play an important role in the implementation of modern information networks having optical interconnects. In fiber optic communication systems, variable optical attenuators are broadly employed to regulate the optical power levels to prevent damages to the optical receivers caused by irregular optical power variations.

Fiber optic patch cord splitters are optical devices that connect three or more fiber ends, dividing one input between two or more outputs or combining two or more inputs into one output



### Description

Clearfield® VOA and Patch Cord Splitters are optical components that are up-jacketed to 3 mm and terminated with any industry standard connectors.

### Features and Benefits

#### Integrity

- Compliant to Telcordia GR-1221 and GR-1209
- Supports Industry standard Singlemode and Multimode fibers and connectors
- Outside plant hardened components

#### Protection

- Ruggedized fiber up-jacket and packages available for superior protection
- Multi-component custom packages available

#### Access

- Compact tube style and discrete components offered for direct splice in options
- VOA input available with up to one meter and output leg up to 30 meters
- Up to 80 dB attenuation on VOA
- Patch Cord Splitters available with up to one meter for input and nine meters on the outputs

#### Investment

- WaveSmart VOA and Patch Cord Splitters offer an economical, dense and user-friendly solution for deploying fiber in any optical network
- Environmentally stable, high-isolation, low-insertion loss
- All components tested 100% and include test documentation

### Technical Specifications

WaveSmart VOA and Patch Cord Splitter	
VOA	12 mm round x 15 mm L
Patch Cord Splitter	90 mm L x 20 mm D x 10 mm H

#### Environmental Reliability Tests

- Complies with Telcordia requirement TR-NWT-0012 21 and TR-NW T-00 1209
  - Optical characteristics
  - Thermal Cycling
  - Vibration Test
  - Salt Spray Erosion
  - Thermal Aging
  - Humidity Resistance

