

## Attenuation Patchcord

Opterna high Performance Attenuated Patchcords are used to attenuate optical signal in an optical link. Attenuated patchcords can be installed in place of conventional patchcords to provide tight attenuation tolerance and excellent return loss characteristics. This can be used to replace the conventional cable assembly-attenuator combination. It is a compact, multi-purpose passive device designed to operate in wide spectrum of wavelengths.

Opterna attenuated patchcords use metal ion doped fiber technology to give reliable and stable attenuation characteristics. They strictly conform to international standard and are fully compatible with other complied products.

Attenuated patchcords come in a variety of cable and connector types to suit various applications.



### Features & Advantage

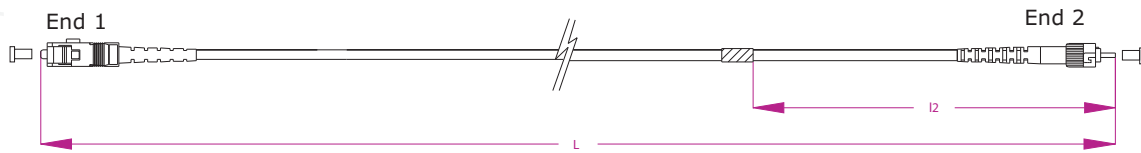
- ☒ All fiber technology
- ☒ Available in ST, SC, FC, LC & MU connector styles
- ☒ Higher performance SPC, UPC & APC options
- ☒ Metal ion doped fiber technology
- ☒ Available in 900um, 2mm & 3mm cable types
- ☒ Simplex and Duplex cable types available
- ☒ Optical performance 100% factory tested
- ☒ Extreme stability in thermal variations
- ☒ Telcordia COMPLIANT
- ☒ Broadband performance, Flat Spectral response
- ☒ Environmentally stable
- ☒ Ultra low Back Reflection
- ☒ Mating Durability: 1000 cycles; <0.2 dB

### Applications

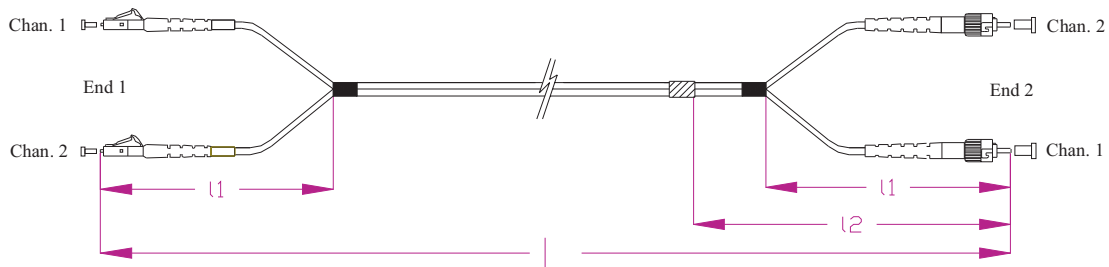
- ☒ DWDMs
- ☒ Overpowered fiber optic systems
- ☒ Long haul Telecommunications
- ☒ Telecoms, CATV, LAN & WAN
- ☒ Fiber in the loop (FITL)
- ☒ PON & Fiber Optic Communications Systems
- ☒ Test & Measurement set up

## Attenuation Patchcord

### Size & Dimensions



Simplex Attenuated Patchcord



Duplex Attenuated Patchcord

### Specifications

Available Attenuation	1 to 20dB attenuation with 1dB increments	
Attenuation Tolerance	Up to 5dB	±0.5 dB;
	Above 5dB	±10% of nominal value
Return Loss	SPC	>50 dB
	UPC	>55 dB
	APC	>60dB
Operating Wavelength	1310nm, 1550nm, 1310 & 1550nm	
Connector Styles	ST, SC, FC, LC & MU	
Cable Length (L)	Up to 10 meter	+0.1/-0.05m
	Above 10 meter	+0.2/-0.1m
Split length (l <sub>1</sub> ) – for duplex	150 ± 25mm	
Traceability label distance (l <sub>2</sub> )	200 ± 25mm (from one end)	
Temperature Range	-40° C to +80° C	
Fiber type	Corning SMF-28	

### Ordering Information

