

## FIBER OPTIC ADAPTER

### Description

Optical interface (Optical Adapter) is the place to fix the interface for 2 optical connectors to contact each other.

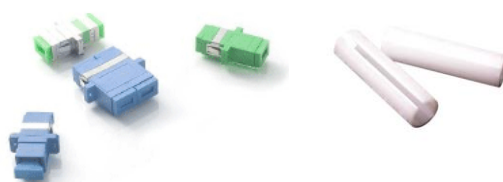
Used in ODF boxes, Optical cabinets and optical connection boxes with integrated optical port devices

There are many different types of optical adapters such as FC, SC, LC, E2000, MPO, DIN... classified by geometric type.

Optical adapters have duplex and simplex heads. Optical adapters used for single Mode and Multimode only have different colors to distinguish

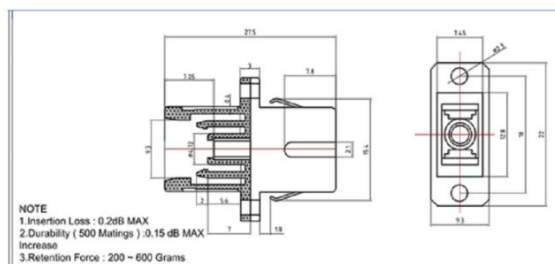
The international color code of optical adapters is as follows: The head with APC beveled contact ball (SC/APC, FC/APC...) must show the outer shell (housing) is green. And the PC (UPC) contact ball is blue.

### Technical standards



Ceramic core in the adapter

Drawing of SC Adapter Head:



Insertion loss :  $\leq 0.2\text{dB}$  – Return loss  $\geq 55\text{ dB}$  (UPC),  $\geq 60\text{ dB}$  ( APC )

Number of re-connections 500 times – loss change  $\leq 0, 1\text{dB}$

Working temperature:  $- 10^{\circ}\text{C}$  to  $+ 80^{\circ}$

**Parts and materials of Adapter:**

Table of contents	Parts	Materials
1	Cap	ABS plastic
2	Clip	Stainless steel
3	Body	ABS plastic
4	Hook	PBT plastic
5	Sleeve	ceramic