

Specifications

Core: Solid Optical Gel

Outer Jacket: Clear Teflon

Outside Diameter: See table below

Spool Length: 100 ft and 200ft

Bend Radius: Minimum 6 x fiber diameter

Acceptance Angle: 45°

Numeric Aperture: 0.68

Attenuation: Less than 1.6% per foot

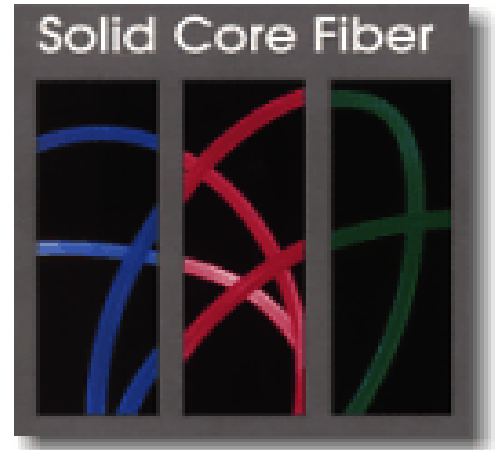
Operating Temperature Range: Minimum -40°F (-15°C)
Maximum 248°F (120°C)

Moisture Absorption: Core is hydroscopic. Optic ends must be sealed to avoid absorption.

Chemical Resistance: Cladding is chemically resistant and impervious to solvents. Core is affected by strong solvents.

Benefits

- No Electricity
- No IR or UV light is transmitted
- Environmentally friendly
- Virtually Maintenance Free
- Color Change Options
- Suitable for indoor or outdoor applications



Side Beam fiber optic cable is a single large diameter monofilament which can transmit light over reasonably long distances. Light is transmitted over the entire length of the solid core optic, without electricity or heat. The light source is an illuminator which is placed at one, or both ends of the fiber. Color wheels can be added to the illuminator to change the color of the fiber to as many as eight colors.

Utilizing a recently perfected production process called continuous casting; Side Beam solid core optical fiber can achieve brilliant color clarity and a continuous bright light transmission which was not possible in earlier solid core fiber extrusions. A crystal clear Teflon sleeve and excellent core/clad adhesion gives a high intensity brightness along the entire length of the optic cable.

Catalog No.	Core Diameter	Tolerance	Outside Diameter
SB065	6.1mm	+/- 0.2mm	6.5mm
SB070	6.6mm	+/- 0.4mm	7.0mm
SB090	8.6mm	+/- 0.5mm	9.0mm
SB010	9.6mm	+/- 0.5mm	10.0mm
SB120	11.4mm	+/- 0.5mm	12.0mm
SB140	13.2mm	+/_ 0.5mm	14.0mm