



Fiber Optic Cables

CARE and HANDLING PROCEDURES

Intended use of this product is to illuminate a surgical site by relaying light from a fiber optic light source to the desired site. Cables are medical grade, high transmittance, and peak efficiency. Cables can be used with quartz halogen, metal halide, LED, or Xenon light sources. Compatible with virtually all endoscopes, medical instruments, and microscopes.

Contraindications

To our knowledge, there are no contraindications for this device.

General Precautions

1. Fiber optic cables are provided non-sterile and must be sterilized before use. See instructions for cleaning and sterilization.
2. Always inspect cables for evidence of damage prior to use. Pay particular attention to optical surfaces looking for scratches or dings.
3. Treat the light cable as you would any fine optical device.
4. When using with a 300 watt Xenon light source, be sure light source is filtering at least 90% of infrared radiation (IR) to prevent high heat.
5. The user of this product should be thoroughly familiar and trained in the use and care of this product.
6. **FIRE HAZARD:** Never drape or cover the end of any fiberoptic cable with anything flammable or combustible.
7. Do not look directly into the fiberoptic cable receptacle on the lightsource while the unit is turned on. When the cable is in the lightsource, do not look directly into the instrument end of the fiberoptic cable when the lightsource is turned on.

Cleaning

Fiberoptic cables for endoscopes, microscopes, and surgical instruments are high-quality optical devices. They require similar care to that taken for any precision optical component. After each use, the light guide should be washed and cleaned of any debris. A soft brush and mild detergent should be used to clean the device. Pay particular attention to any crevices or seams. Avoid any harsh materials or detergents that can scratch or in any way damage the optical surfaces on each end of the cable. BR Surgical recommends the following guidelines contained in ASTM F 1515-00 "Standard Practices for Cleaning and Disinfection of Flexible Fiberoptic and Video Endoscopes Used in the Examination of the Hollow Viscera." Although written specifically for endoscopes, much of this information will apply to the light guide.





BR900-5050 • FIBER OPTIC CABLES

Steam Autoclave Sterilization

The cycle selected is dependent upon the equipment and hospital / clinic protocol. General guidelines are as follows:

Method	Steam Wrapped (Prevacuum)	Steam Wrapped (Gravity)	Steam Wrapped (Gravity)
Temperature	132° C (270° F)	132° C (270° F)	121° C (250° F)
Time	4 minutes	10 minutes	45 minutes
Dry Time	20 minutes	20 minutes	20 minutes

Chemical Sterilization

It is recommended that the guidelines published by Advanced Sterilization, a Johnson & Johnson company, be followed. General guidelines are:

Product	High Level Disinfection Sterilization	Sterilization
Cidex Activated Dialdehyde Solution	45 minutes @ 25° C (77° F)	10 hours
Cidex Plus 28 Day Solution	20 minutes @ 25° C (77° F)	N/A

Ethylene Oxide (ETO) Sterilization

The cycle selected is dependent upon the equipment and hospital / clinic protocol. General guidelines are as follows:

Temperature	54 - 58° C (129.2 - 136.4° F)
EO Source	100% EO
Exposure Time	4 hours
Aeration	12 hours @ 55° C (131° F)

Steris / Sterrad Sterilization

Follow guidelines, as directed, by Steris Corporation or Sterrad, (a J&J Company), respectively.

Symbols Used



Caution / Warning Information

LIMITED WARRANTY

Your BR fiberoptic product carries a 36-month warranty from the date of purchase solely on **workmanship and all defects of material**, excluding replaceable sweatbands, hand band, fiberoptic cables, and lamps. Should your product prove to have such defects within thirty-six (36) months of the purchase, BR Surgical LLC will repair or replace the product or component part without charge. Should your equipment need servicing under this warranty, please contact BR Surgical LLC for repair authorization documentation and further instructions.

Warranty does not cover equipment subject to misuse, accidental damage, lack of proper care, normal wear and tear or if transferred to a new owner without authorization from BR Surgical LLC. This warranty gives you specific legal rights you may also have other rights that vary from state to state.

POST WARRANTY REPAIRS

You may return your light source for repair, shipping prepaid, to BR Surgical LLC. Your product will be inspected and an estimate of repair charges, including an evaluation fee, will be submitted to you for approval. Payment must be received before repairs are completed or payment method established. Please contact BR Surgical LLC for return authorization documentation.

