

Fiber Optic Light Cable for Endoscopy, 7.5 ft

Instructions for Use

Surgical Instrument

Intended use

Transmits light from an endoscopic light source to a rigid or flexible endoscope to illuminate the field during endoscopic procedures.

Intended users

For use by trained healthcare professionals and endoscopy/OR staff. Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- The light-emitting end and the endoscope connection can become very hot. Do not rest the cable end on drapes, the patient or flammable materials while the light source is on.
- Set the light source to standby or minimum intensity before connecting or disconnecting the cable.
- Do not look directly into the illuminated end of the cable.
- Do not kink, crush or bend the cable tightly; this breaks the glass fibers.
- Inspect the cable before each use. Do not use a cable with damaged fittings, a cut jacket or significant light loss.
- Confirm the cable fittings match your light source and endoscope before use; use only correct adapters.

2. Package contents

- Fiber optic light cable x 1

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Length	7.5 ft (2.3 m)
Active fiber diameter	3.5 mm bundle
Fittings	Stainless steel fittings at both ends; confirm fitting compatibility with your light source and endoscope (adapters may be required)
Light source compatibility	Xenon and LED endoscopic light sources with matching fitting
Reinforcement	Steel-braided outer sleeve with polymer jacket
Sterilization	Steam autoclave 134 °C, ETO, or chemical high-level disinfectant

4. Unpacking and setup

- 1 Remove the cable from its packaging and inspect the jacket and both fittings.
- 2 Check light transmission (see Operation: Checking light transmission) before first clinical use.
- 3 Reprocess (clean and sterilize) the cable per facility protocol before first use.
- 4 Confirm the fitting at each end matches the light source and endoscope; fit any required adapter.

5. Operation

Connecting and using the cable

- 1 Ensure the light source is off or in standby.
- 2 Insert the source-end fitting fully into the light source receptacle.
- 3 Attach the scope-end fitting to the light post of the endoscope until secure.
- 4 Route the cable with gentle curves, avoiding sharp bends and pinch points on the table.
- 5 Switch on the light source and increase intensity gradually to the level required.

- 6 Return the light source to standby before disconnecting the endoscope during the procedure.

Disconnecting after use

- 1 Switch the light source off or to standby.
- 2 Allow the fittings to cool before handling.
- 3 Disconnect the cable from the endoscope and then from the light source.
- 4 Coil the cable loosely (large loops, no kinks) and send for reprocessing.

Checking light transmission

- 1 Hold the scope end toward a white surface while the source end is connected to a light source, or hold the source end toward a room light and inspect the scope end.
- 2 Look for dark spots in the light circle, which indicate broken fibers.
- 3 Compare output with a new or reference cable if available.
- 4 Replace the cable if light loss is significant.

6. Cleaning and disinfection

- Clean the cable as soon as possible after use to prevent soil drying.
- Wipe the jacket and fittings with a soft cloth and enzymatic or mild detergent solution; rinse with clean water.
- Clean the optical end faces gently with a soft swab and alcohol-free lens cleaner; do not scratch the fiber faces.
- Dry thoroughly before sterilization.
- Sterilize by steam autoclave at 134 °C, ETO or chemical high-level disinfection per facility protocol.
- Coil loosely in large loops for sterilization; do not autoclave with kinks or tight bends.

7. Maintenance and storage

- Store loosely coiled in large loops, in a clean and dry place.
- Do not hang the cable by its fittings or store it with heavy items on top.
- Check light transmission periodically and record cable condition.
- Keep end faces protected from scratches and debris.

8. Troubleshooting

Problem	Likely cause	What to do
Dim illumination	Broken fibers, dirty end faces or low light-source setting	Clean end faces, check the light source setting, and test transmission; replace the cable if many fibers are broken.
Dark spots in the light circle	Broken fibers	Replace the cable when light loss affects the procedure.
Cable does not fit light source or scope	Fitting type mismatch	Use the correct adapter or a cable with the matching fitting.
Fittings very hot	High intensity or cable left on drapes	Reduce intensity, use standby when disconnected, and keep ends off drapes.
Discolored or yellow light	Burned or contaminated end face	Clean the end faces; replace the cable if discoloration remains.

9. Disposal

- Decontaminate the cable before disposal.
- Dispose of in accordance with local regulations for medical equipment and glass-fiber components.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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