Cold Light Cables

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Item numbers

IM201-180	IM201-181	IM201-230
IM201-231	IM201-300	IM201-301
IM201-350	IM201-351	IM202-180
IM202-181	IM202-230	IM202-231
IM202-300	IM202-301	IM202-350
IM202-351	IM210-180	IM210-230
IM210-233	IM210-234	IM210-235
IM210-236	IM212-180	IM212-230
IM212-240	RU 0195-01	RU 0195-02
RU 0195-03	RU 0195-04	RU 0196-01
RU 0196-02	RU 0196-03	RU 0196-04
RU 4776-10		

Intended use

Cold light cables are intended for transmitting light from different cold light sources to endoscopes in all medical applications.
The decision on the suitability of the instrument for the intended use lies with the user. We assume no liability for the consequences of improper application and preparation.
The cold light cables have to be used with suitable accessories.

Function test

A new cold light cable must undergo a thorough visual examination and must be tested for functionality after delivery and before each use.
If the cable exhibits any external faults (scratches, breakages, cracks, notches) or if it does not function in the way described, please inform us as manufacturer or our sales partners immediately.

Function check:
Hold one end of the cold light cable against a light source (light, window) and check the other end for dark spots and evenly illumination. The dark spots are signifying broken optical fibres.

⚠ Warnings and precautions!

- Do not use any damaged cables.
- Use the minimal necessary power. The hot end of the optical fibres can cause burns!
- Cold light cables should be used only by individuals who are licensed and trained to use it.
- These instructions do not substitute the reading of the instructions for the cold light source and the accessories used.

First use of new instruments

The brand-new cable must be taken out of its polyethylene bag to avoid condensation and must be stored clean, dry (max. atmospheric humidity of 75% RH) and aired protective in a container at room ambient temperature until first preparation.
Cold light cables are delivered non-sterile. The cables must be thoroughly cleaned and sterilized before the first use and before each re-use.

Operation and safety instructions

There exist two kinds of cold light cables, the Standard cable and the High Transmission Technology cable:

Standard cable

- glued fibers
- suitable for halogen light sources
- not suitable for xenon light sources

High Transmission Technology cable

-Assembled fibers
-Suitable for xenon light sources
Cold light cables are made of high quality optical fibers. The cables are, in spite of their flexibility, very rugged. Do not kink the cold light cable and do not coil it to a tight diameter. It can cause damage to the optical fibers and result in light loss.
Because of the high light intensity, the end of the light cable can release heat. This end may not be laid down on the patient or on highly inflammable materials.

⚠ Ignition hazard!

The section of the cables has to be adapted to the section of the endoscopes.

Preparation

For an optimal cleaning and disinfection result Remove both adapters from the light cable.
Disinfection agents, containing per acetic acid or chloride components should not be used.

Cold light cables may be sterilized with steam or gas.
Steam sterilization procedure:

- 3 prevacuum phases with ≤ 60 milli bar pressure
- 134°C, 5 min or 132°C, 4min
- Drying time: minimum 10 min.

Prior to sterilization the adapter should be attached to the light cable accordingly.

⚠ The following methods are not suitable!

Ultrasound treatment, flash sterilization and hot-air sterilization.

Safety notes and explanation of symbols

	Follow instructions for use
REF	Order number
NON STERILE	Non sterile
	Manufacturer
LOT	Lot-Code
CE	CE marking
	Caution! Failure to observe the warnings and precautions can lead to death or serious injuries.

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