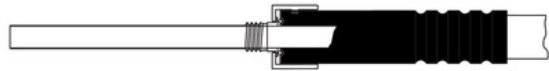
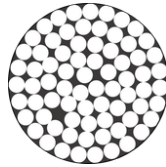


Fiber Light Guide Handbook



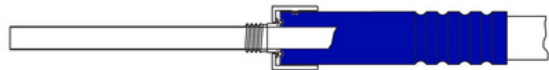
STANDARD LIGHT GUIDES
THE HALOGEN ALTERNATIVE



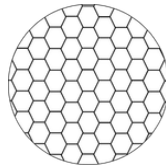
GLUED FIBERS

HALOGEN

TUBE COLOUR
● ONLY



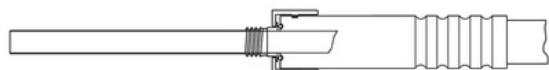
HTT BLUE-LINE®
THE HIGH PERFORMANCE ALLROUNDER



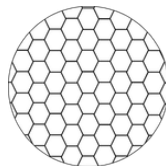
FUSED FIBERS
HTT TECHNOLOGY®
TEMPERATURE RESISTANT

HALOGEN
XENON
LED

TUBE COLOURS
● ● ● ●
● ● ● ●



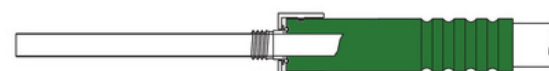
LED WHITE-LINE
THE TRANSMISSION MAXIMIZER



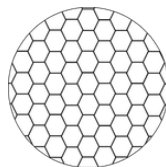
FUSED FIBERS
HTT TECHNOLOGY®
TEMPERATURE RESISTANT
LED OPTIMIZED

HALOGEN
XENON
LED

TUBE COLOURS
● ● ● ●
● ● ● ●



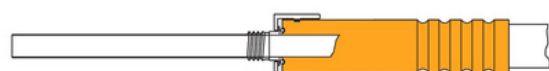
HTT GREEN-LINE
THE FLUORESCENCE EXPERT



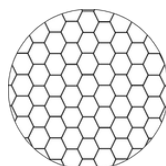
FUSED FIBERS
HTT TECHNOLOGY®
TEMPERATURE RESISTANT
ICG OPTIMIZED

HALOGEN
XENON
LED
ICG

TUBE COLOUR
● ONLY



OEM HTT BLUE-LINE®
THE ORANGE HANDLE HTT LIGHT GUIDE

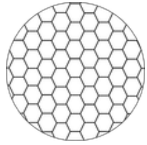


FUSED FIBERS
HTT TECHNOLOGY®
TEMPERATURE RESISTANT

HALOGEN
XENON
LED

TUBE COLOURS
● ● ● ●
● ● ● ●

HTT HIGH TRANSMISSION TECHNOLOGY®



FIBERS ARE FUSED (NOT GLUED)
AT THE LIGHT ENTRY

- HEXAGON SHAPE
- HIGH TEMPERATURE RESISTANCY
- ~20% HIGHER LIGHT TRANSMISSION
- MADE IN GERMANY

COLOUR SYSTEM



SIZE MATTERS - LIGHT GUIDE DIAMETERS
NEED TO SUIT YOUR ENDOSCOPES

- MATCH THIN /THICK ENDOSCOPES WITH THIN/THICK LIGHT GUIDES
- Ø 1,6 / 2,5 / 3,5 / 4,8
- TUBE COLOURS CAN INDICATE THE SIZE

UNIVERSAL ADAPTOR SYSTEM



OUR FIBER LIGHT GUIDES CONNECT
ALMOST ANY COMMON LIGHTSOURCES
& ENDOSCOPES

DIFFERENT ENDOSCOPES / LIGHTSOURCES
→ CHANGE THE ADAPTOR

CLASS 1 MEDICAL DEVICE

MDR/EU 2017/745

OUR FIBER LIGHT GUIDES ARE CLASS 1
MEDICAL DEVICES



- CEMD
- VALIDATED REPROCESSABLE
- STERILIZABLE & DESINFECTABLE

FIBERS WELL PACKED / SHEATED



CAN YOU HEAR IT CRACK?

IF YOU OVERBEND YOUR LIGHTGUIDE AND YOU
HEAR FIBERS BREAKING YOU WILL SOON HAVE
NO LIGHT LEFT

→ OUR FIBER LIGHT CABLES ARE PROTECTED
AGAINST OVERBENDING AND TENSILE LOAD

DON'TS OF FIBER LIGHT GUIDES



- **NEVER** USE FIBER LIGHT GUIDES WITH LARGE DIAMETERS FOR SMALL SCOPES → HEAT → DANGER OF DESTROYING YOUR SCOPES / THREAT FOR PATIENTS
- **NEVER** USE GLUED LIGHT GUIDES WITH POWERFUL LIGHTSOURCES (XENON / LED)
- **NEVER** USE FIBER LIGHT GUIDES WITH A GLAS ROD → SIGNIFICANT TRANSMISSION LOSS