



# GORE™ SIL-KORE™ Coherent & Illumination Fiber Bundle Sleeving

TUBING

## Summary

GORE™ SIL-KORE™ Coherent and Illumination Fiber Bundle Sleeving easily slides over the fiber bundle ensuring a higher yield of fibers during the assembly and packaging processes. Gore's sleeving has excellent buffering properties protecting these very delicate and expensive fiber bundles from breakage, while keeping the bundles highly flexible and very limp. These fiber bundle sleeves eliminate the need for dry lubricants and help to reduce contamination during the assembly process.

GORE™ SIL-KORE™ Coherent and Illumination Fiber Bundle Sleeving is available in standard sizes ranging from 0.5mm to 8mm. Custom configurations are also available for your specific requirements.

Please note that the fiber bundle slides easily into the sleeving without the aid of air pressure or lubrication when the sleeving is sized properly. No additional tooling is required.



GORE™ SIL-KORE™ Coherent and Illumination Fiber Bundle Sleeving ensures higher yield of fibers during the assembly and packaging processes.

## PROPERTIES

Diameter	Minimum I.D. 0.25mm (0.010 in.)
Wall thickness	Minimum 0.05mm (0.002 in.)
Coefficient of friction	0.04
Temperature rating	>250°C
Tensile strength*	5,000 – 7,000 psi

Preferred attachment process is mechanical capture of the sheath. Due to its unique attributes the tube cannot be expanded for installation.

\*Value varies with dimension.

## BENEFITS

- Improves loading of fiber bundle into insertion tube assembly
- Improves flex life of fiber bundle
- Reduced micro-bending
- Less loss of light transmission from micro-bend
- Improves yield of final assembly
- Longer field life of fiber bundle
- Acts as a protective cushioning buffer for the fiber bundle

## FEATURES

- Low coefficient of friction
- Low elongation
- Compressible
- Thin wall
- Self-lubricating
- Flexible – low modulus
- Soft
- Autoclavable

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