

CeramOptec®

Innovative Fiber Optics...Every Step of the Way™



With an extremely tight bend radius, CeramOptec's soft glass bundles are available with several different numerical apertures and diameters. Depending on your application, bundle ends can be glued or fused with any standard connector—or custom ferrules, machined in-house. In addition, metal or PVC protection tubes are available to suit your application.

Features

- Broad temperature range: -45 to +275°C
- Broad spectral range: 450 – 1600 nm
- Tight bend radius: 0.12" short term; 0.5" long term
- Step index profile
- NA: 0.55 to 0.66
- Fiber diameter: 25 to 100 μm ($\pm 2 \mu\text{m}$)
- Chemical stability—unaffected by water, gasoline, engine oil, sulfuric acid, and organic acids
- Maximum length: 5 meters

Applications

- Industrial / Scientific Spectroscopy Illumination
- Medical Medical illumination

Bundle Construction

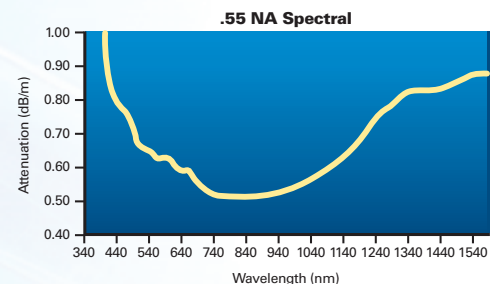
- Random Scrambled
- Mapped Special Coherent Bundles Available

Bundle Configuration

- Single Bifurcated
- Trifurcated Multi-Legged

Bundle Active Area Geometry

- Round Half Round Square Rectangle
- Line Ring Segmented Ring



Notes:

NA is measured at the 95% intensity angle.

CeramOptec strives to ensure the accuracy of all information provided; however, we imply no warranties and disclaim any liability in connection with the use of this information.



Please contact our Sales Engineering representatives:

North America

CeramOptec Industries, Inc.
515A Shaker Road; East Longmeadow, MA 01028
Tel: 800-934-2377
413-525-0600
Fax: 413-525-1112
Email: salesengineering@ceramoptec.com

West Coast Office

Tel: 408-362-0100
Fax: 408-629-1657
Email: salesengineering@ceramoptec.com

Europe

CeramOptec GmbH
Siemensstr. 44; 53121 Bonn, Germany
Tel: +49 (0) 228-979670
Fax: +49 (0) 228-9796799
Email: info@ceramoptec.de

Innovative Fiber Optics...Every Step of the Way

CeramOptec was founded in 1986 and today is a global leader in the production of stock and custom silica / silica, plastic-clad silica, and hard polymer-clad silica optical fibers; fused capillary tubing; DPSS lasers; diode modules; and low loss bundles and assemblies for UV, VIS, and IR transmission, medical laser delivery, sensors, plasma fusion, and spectroscopy.

With several facilities worldwide, we are able to provide our customers with local, prompt, and reliable service and products. By maintaining complete control over the entire manufacturing process—from preform manufacturing to finished fiber product—we are able to provide the highest quality control, custom solutions, and competitive pricing to our customers.

Please visit <http://www.ceramoptec.com> for more information.

CeramOptec is a subsidiary of biolitec™ AG.

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