

200 Micron Core Power Delivery Fibers



Coherent's specialty multimode step-index fibers are designed for compatibility with the majority of fiber-coupled, bar and stack diode-laser packages and support the diode laser power delivery market. These power delivery fibers are available in 200/220 and 200/240 core/clad ratios in low and high NA versions. Other fiber diameters are available upon request.

Typical Applications

- Fiber coupled diode lasers
- Couplers and pump combiners

Features & Benefits

- 0.12 and 0.22 NA — Compatible with majority of fiber-coupled, diode-laser packages
- Exceptional geometric uniformity and core/clad concentricity — Ease of coupling to pump diodes

Optical Specifications

Operating Wavelength
Core NA
OH Level

MM-S200/220-12A

800 – 1600 nm
0.120 ± 0.020
Low

MM-S200/220-22A

800 – 1600 nm
0.220 ± 0.020
Low

MM-S200/240-22A

800 – 1600 nm
0.220 ± 0.020
Low

Geometrical & Mechanical Specifications

Cladding Diameter
Core Diameter
Coating Diameter
Core/Clad Offset
Coating Material
Proof-test Level

220.0 ± 3.0 μm
200.0 ± 4.0 μm
320.0 ± 15.0 μm
≤ 5.00 μm
Acrylate
≥ 100 kpsi (0.7 GN/m²)

220.0 ± 3.0 μm
200.0 ± 4.0 μm
320.0 ± 15.0 μm
≤ 5.00 μm
Acrylate
≥ 100 kpsi (0.7 GN/m²)

240.0 ± 3.0 μm
200.0 ± 4.0 μm
320.0 ± 15.0 μm
≤ 5.00 μm
Acrylate
≥ 100 kpsi (0.7 GN/m²)



High OH level available upon request.

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www.coherent.com ; www.shop.coherent.com • Coherent products are manufactured under an ISO 9001:2008 certified quality management system.



Custom developed fiber (FUD) specifications are subject to change without notice. Other configurations such as alternative form factors, optimized cut-off and UV cured color coating may be available. Let us know how Coherent can assist with your requirements.

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