

Step index multimode fibers

Cu200 | Cu400 | Cu600 | AL200 | AL400

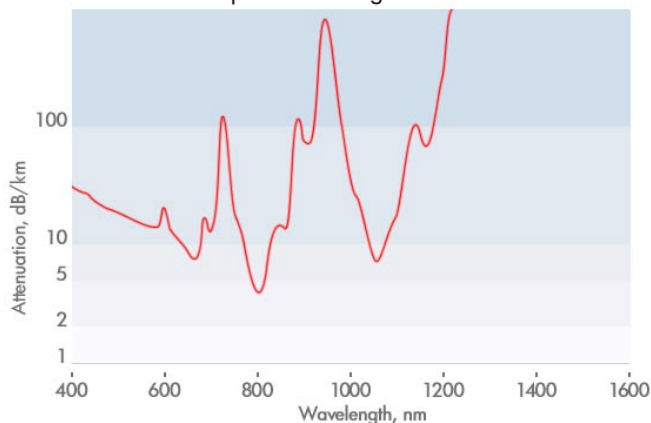
Our standard sizes for step-index fiber are 200/220 and 400/425 with copper alloy and aluminum coatings. These are usually in stock and available for same day shipping in lengths starting at 20 m. Custom fiber configurations with special preforms (pure silica core; high NA), large diameters (such as 800/880 or 1000/1100) or core-cladding ratio (1.06; 1.10) are available, but may require a minimum order and up to 8 weeks to manufacture and ship.

For more information please contact us at (416) 848 0258 or info@ivgfiber.com

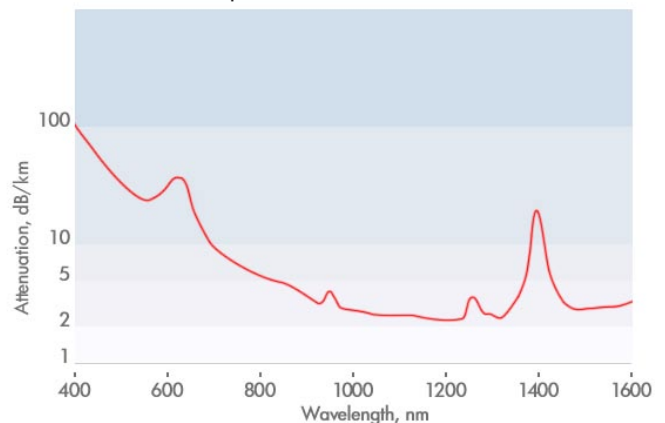
Specifications

	Cu100	Cu200	Cu400	Cu600	AL200	AL400
Availability	from stock	from stock	from stock	from stock	from stock	from stock
Primary coating	copper alloy	copper alloy	copper alloy	copper alloy	aluminum	aluminum
Additional inner layer	carbon	carbon	carbon	carbon	—	carbon
Additional outer layer	—	—	—	—	—	—
Numerical aperture	0.22	0.22	0.22	0.22	0.22	0.22
Index profile	step index	step index	step index	step index	step index	step index
Preform	Ge-doped	Ge-doped	Ge-doped	Ge-doped	Ge-doped	Ge-doped
Core diameter	100 ± 2 μm	200 ± 3 μm	400 ± 5 μm	600 ± 8 μm	200 ± 3 μm	400 ± 5 μm
Cladding diameter	110 ± 2 μm	220 ± 3 μm	425 ± 5 μm	660 ± 8 μm	220 ± 3 μm	425 ± 5 μm
Coating diameter	150 ± 10 μm	280 ± 10 μm	530 ± 10 μm	800 ± 15 μm	280 ± 10 μm	530 ± 10 μm
Core-clad concentricity	< 5 μm	< 5 μm	< 5 μm	< 5 μm	< 5 μm	< 5 μm
Cladding offset	< 5 μm	< 5 μm	< 5 μm	< 5 μm	< 5 μm	< 5 μm
Bending radius	> 20 mm	> 40 mm	> 70 mm	> 100 mm	> 40 mm	> 70 mm
Proof test	100 kpsi	100 kpsi	100 kpsi	100 kpsi	100 kpsi	100 kpsi
Continuous length	up to 3000 m	up to 2000 m	up to 400 m	up to 100 m	up to 2000 m	up to 400 m
Short-term temperature	< 600° C	< 600° C	< 600° C	< 600° C	< 400° C	< 400° C
Long-term temperature	< 450° C	< 450° C	< 450° C	< 450° C	< 400° C	< 400° C

Attenuation spectrum for high-OH multimode fiber



Attenuation spectrum for low-OH multimode fiber



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