

## Fiber optic Cannules

### Silica multimode optical fibers

(unit: um)

core $\phi$	Outer Diameter	N.A.	Buffer Color	Outer Layer	Fiber-optic code
50	70	0.22	yellow	Polymide buffer	50/70-0.22
100	125	0.22	yellow	Polymide buffer	100/125-0.22
100	125	0.37	yellow	Polymide buffer	100/125-0.37
200	240	0.22	yellow	Polymide buffer	200/240-0.22
200	260	0.22	clear	Silicone buffer	200/260-0.22
200	230	0.37	clear	Hard polymer cladding	200/230-0.37
200	245	0.37	yellow	Polymide buffer	200/245-0.37
200	230	0.48	clear	Hard polymer cladding	200/230-0.48
200	245	0.53	clear	Hard polymer cladding	200/245-0.53
200	250	0.66	clear	Glass (flagle)	200/250-0.66
300	370	0.22	yellow	Polymide buffer	300/370-0.22
300	330	0.37	clear	Hard polymer cladding	300/330-0.37
400	480	0.22	yellow	Polymide buffer	400/480-0.22
400	430	0.37	clear	Hard polymer cladding	400/430-0.37
400	430	0.48	clear	Hard polymer cladding	400/430-0.48
400	475	0.53	clear	Hard polymer cladding	400/475-0.53

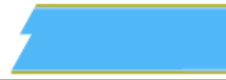

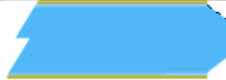


## Reference for understanding about cannule codes

### Plastic optical fibers

(unit: um)

core $\phi$	Outer Diameter	N.A.	Buffer Color	Fiber-optic code
240	250	0.63	clear	240/250-0.63
480	500	0.63	clear	480/500-0.63

## Fiber optic termination codes for cannules

Termination code	Description	Drawing	Specifications
FLT	Flat tip		
A45 A60	Angled tip		Standard angles: 45°; 60° Other angles on request (max 60°)
B45 B60	Bi prism tip		Standard angles: 45°; 60° Other angles on request (max 60°)
C45	Conical tip		Rounded tip thickness: ~ 0.1x to 0.2x core diameter Standard angle: 45° Other angles on request (max 60°)
MA45	Mirror tip at 45°		
DFL	Diffuser layer	