

# Selection Guide



## Step-Index Fiber

## Multimode

Fiber	Core/Clad/ Buffer/Coating Diameter	Attenuation in dB/km @ Wavelength	Coating or Buffer Type	Operating Temperature	Short/ Long-Term Bend Radius	Part #	Page #
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### 0.43 NA HCS® High Numerical Aperture MM Step-Index Fibers

HCS High NA 200	200/230/500 μm	≤6 dB/km @ 820	ETFE	-65 to +125°C	≥10/16 mm	CF05578-01	19
HCS High NA 400	400/430/730 μm	≤8 dB/km @ 820	ETFE	-65 to +125°C	≥29/47 mm	CF05578-03	19

### 0.37 NA HCS Low OH MM Step-Index Fibers

HCS 37 Low OH 125	125/140/250 μm	≤12 dB/km @ 850	ETFE	-65 to +125°C	≥9/15 mm	CF01493-09	20
HCS 37 Low OH 200	200/230/500 μm	≤6 dB/km @ 850	ETFE	-65 to +125°C	≥10/16 mm	CF01493-10	20
HCS 37 Low OH 300	300/330/650 μm	≤8 dB/km @ 850	ETFE	-65 to +125°C	≥15/24 mm	CF01493-11	20
HCS 37 Low OH 400	400/430/730 μm	≤8 dB/km @ 850	ETFE	-65 to +125°C	≥29/47 mm	CF01493-12	20
HCS 37 Low OH 600	600/630/1040 μm	≤8 dB/km @ 850	ETFE	-65 to +125°C	≥43/71 mm	CF01493-14	21
HCS 37 Low OH 800	800/830/1040 μm	≤8 dB/km @ 850	ETFE	-65 to +125°C	≥73/118 mm	CF01493-65	21
HCS 37 Low OH 1000	1000/1035/1400 μm	≤8 dB/km @ 850	ETFE	-65 to +125°C	≥73/118 mm	CF01493-15	21
HCS 37 Low OH 1500	1500/1535/2000 μm	≤15 dB/km @ 850	ETFE	-65 to +125°C	≥182/295 mm	CF01493-62	21

### 0.37 NA HCS High OH MM Step-Index Fibers

HCS High OH 200	200/230/500 μm	≤12 dB/km @ 820	ETFE	-65 to +125°C	≥10/16 mm	CF01493-18	22
HCS High OH 300	300/330/650 μm	≤12 dB/km @ 820	ETFE	-65 to +125°C	≥15/24 mm	CF01493-19	22
HCS High OH 400	400/430/730 μm	≤12 dB/km @ 820	ETFE	-65 to +125°C	≥29/47 mm	CF01493-20	23
HCS High OH 600	600/630/1040 μm	≤12 dB/km @ 820	ETFE	-65 to +125°C	≥58/94 mm	CF01493-22	23
HCS High OH 800	800/830/1040 μm	≤12 dB/km @ 820	ETFE	-65 to +125°C	≥73/118 mm	CF01493-60	23

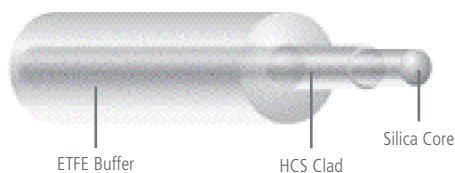
### 0.29 NA Low OH MM Step-Index Fibers

UltraSil® 200	200/240/260/375 μm	≤12 dB/km @ 850	ETFE	-65 to +125°C	≥18/30 mm	BF04746-01	24
UltraSil 272 Blue	272/326/356/420 μm	≤12 dB/km @ 850	HCS/ETFE (Blue)	-65 to +125°C	≥24/40 mm	BF05246	24
UltraSil 330	330/400/430/730 μm	≤12 dB/km @ 850	HCS/ETFE	-65 to +125°C	≥30/49 mm	BF04746-02	24
UltraSil 200 Pyro	200/240/270 μm	≤12 dB/km @ 850	PYROCOAT®	-65 to +300°C	≥18/30 mm	BF04830-01	25
UltraSil 320 Pyro	320/385/415 μm	≤12 dB/km @ 850	PYROCOAT	-65 to +300°C	≥30/49 mm	BF04830-02	25

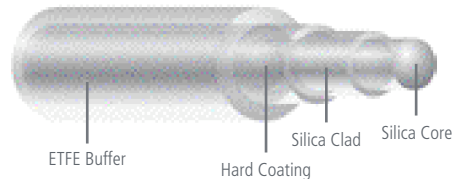
### 0.29 and 0.22 Low OH HCXtreme™ Fibers for High Power in Tight Bends

272-29 HCXtreme	272/326/356/420 μm	≤12 dB/km @ 850	ETFE	-65 to +125°C	≥24/40 mm	F18939	26
365-22 HCXtreme	365/400/430/730 μm	≤10 dB/km @ 850	ETFE	-65 to +125°C	≥29/47 mm	F18940	26
550-22 HCXtreme	550/600/630/750 μm	≤10 dB/km @ 850	ETFE	-65 to +125°C	≥58/94 mm	F18941	27
940-22 HCXtreme	940/1000/1035/1400 μm	≤10 dB/km @ 850	ETFE	-65 to +125°C	≥73/118 mm	F18942	27

Standard HCS Fiber (Crimp & Cleave Compatible)



All Silica Fiber



Fiber	Core/Clad/ Buffer/Coating Diameter	Attenuation in dB/km @ Wavelength	Coating or Buffer Type	Operating Temperature	Short/ Long-Term Bend Radius	Part #	Page #
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### 0.22 NA All Silica High OH MM Step-Index Fibers

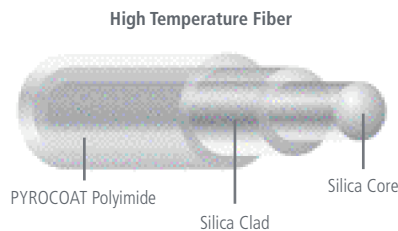
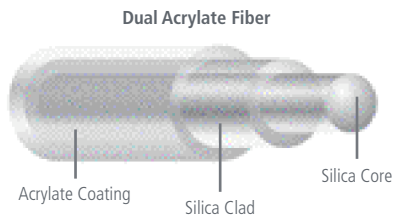
All Silica High OH 200	200/240/260/375 μm	≤10 dB/km @ 820	HCS/ETFE	-65 to +125°C	≥9/14 mm	CF01493-41	28
All Silica High OH 365	365/400/430/730 μm	≤10 dB/km @ 820	HCS/ETFE	-65 to +125°C	≥29/47 mm	CF01493-42	28
All Silica High OH 550	550/600/630/750 μm	≤10 dB/km @ 820	HCS/ETFE	-65 to +125°C	≥58/94 mm	CF01493-43	28
All Silica High OH 940	940/1000/1035/1400 μm	≤10 dB/km @ 820	HCS/ETFE	-65 to +125°C	≥73/118 mm	CF01493-44	28
All Silica High OH 100	100/110/140 μm	≤14 dB/km @ 820	PYROCOAT	-65 to +300°C	≥9/14 mm	CF04406-01	29
All Silica High OH 200/220	200/220/250 μm	≤10 dB/km @ 820	PYROCOAT	-65 to +300°C	≥17/28 mm	CF04406-03	29
All Silica High OH 200/240	200/240/270 μm	≤10 dB/km @ 820	PYROCOAT	-65 to +300°C	≥18/31 mm	CF04406-04	29
All Silica High OH 400	400/440/470 μm	≤10 dB/km @ 820	PYROCOAT	-65 to +300°C	≥66/112 mm	CF04406-06	29

### 0.22 NA All Silica Low OH MM Step-Index Fibers

All Silica Low OH 200	200/240/260/375 μm	≤10 dB/km @ 850	HCS/ETFE	-65 to +125°C	≥9/14 mm	CF01493-51	30
All Silica Low OH 365	365/400/430/730 μm	≤10 dB/km @ 850	HCS/ETFE	-65 to +125°C	≥29/47 mm	CF01493-52	30
All Silica Low OH 550	550/600/630/750 μm	≤10 dB/km @ 850	HCS/ETFE	-65 to +125°C	≥58/94 mm	CF01493-53	30
All Silica Low OH 940	940/1000/1035/1400 μm	≤10 dB/km @ 850	HCS/ETFE	-65 to +125°C	≥73/118 mm	CF01493-54	30
All Silica Low 200 PYRO	200/220/250 μm	≤8 dB/km @ 850	PYROCOAT	-65 to +300°C	≥17/28 mm	CF04406-13	31
All Silica Low 320 PYRO	320/385/415 μm	≤8 dB/km @ 850	PYROCOAT	-65 to +300°C	≥29/49 mm	CF04406-15	31
All Silica Low 600 PYRO	600/660/690 μm	≤8 dB/km @ 850	PYROCOAT	-65 to +300°C	≥99/167 mm	CF04406-17	31

### Launch Fibers

40/125 Launch	40/125/250 μm	≤10 dB/km @ 850	Dual Acrylate	-40 to +85°C	≥10/17 mm	BF06269	32
50/125 Launch	50/125/250 μm	≤5 dB/km @ 850	Dual Acrylate	-40 to +85°C	≥10/17 mm	BF06864	32
60/125 Launch	60/125/250 μm	≤6.0 dB/km @ 850	Dual Acrylate	-40 to +85°C	≥10/17 mm	F8950	33
105/125 Launch	105/125/250 μm	≤12.0 dB/km @ 850	Dual Acrylate	-40 to +85°C	≥5/9 mm	BF05859	33
105/125 Low NA Launch	105/125/250 μm	≤20.0 dB/km @ 850	Dual Acrylate	-40 to +85°C	≥5/9 mm	F10017	33



#### AVON LOCATION (headquarters)

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