

Bifurcated Optical Fiber Assemblies

Premium-grade bifurcated assemblies have two fibers in the common end of the assembly that break out into separate legs. Splitters comprise three fibers epoxied at the nexus of a Y-shaped assembly and have lower transmission efficiency than bifurcated fibers.

Premium-grade Bifurcated Optical Fiber Assemblies				Assembly Length		Jacketing		Bend Radius	
Wavelength Range	Item Code	Core Diameter	Buffer/Coating	2 m	Silicone monocoil	Stainless-steel BX	LTBR	STBR	
VIS-NIR Low OH content 400-2100 nm	QBIF50-VIS-NIR	50 µm	Polyimide	X	X				
	QBIF200-VIS-NIR QBIF200-NIR-BX	200 µm	Polyimide	X X	X	X	8 cm	4 cm	
	QBIF400-VIS-NIR QBIF400-NIR-BX	400 µm	Polyimide	X X	X	X	16 cm	8 cm	
	QBIF600-VIS-NIR QBIF600-NIR-BX	600 µm	Polyimide	X X	X	X	24 cm	12 cm	
UV-VIS High OH Content 300-1100 nm	QBIF50-UV-VIS	50 µm	Polyimide	X	X		4 cm	2 cm	
	QBIF200-UV-VIS	200 µm	Polyimide	X	X		8 cm	4 cm	
	QBIF400-UV-VIS	400 µm	Polyimide	X	X		16 cm	8 cm	
	QBIF600-UV-VIS	600 µm	Polyimide	X	X		24 cm	12 cm	
300-1100 nm & 400-2100 nm (Mixed)	QBIF200-MIXED	200 µm	Polyimide	X	X		8 cm	4 cm	
	QBIF400-MIXED	400 µm	Polyimide	X	X		16 cm	8 cm	
Splitter Optical Fiber Assemblies									
VIS-NIR Low OH content 400-2100 nm	SPLIT200-VIS-NIR	200 µm	Polyimide	X	X		8 cm	4 cm	
	SPLIT400-VIS-NIR	400 µm	Polyimide	X	X		16 cm	8 cm	
UV-VIS High OH Content 300-1100 nm	SPLIT200-UV-VIS	200 µm	Polyimide	X	X		8 cm	4 cm	
	SPLIT400-UV-VIS	400 µm	Polyimide	X	X		16 cm	8 cm	

Solarization Resistant Optical Fiber Assemblies

We offer two types of solarization-resistant fiber assemblies, which prevent transmission degradation in the UV: polyimide-buffer fibers for applications <300 nm and aluminum-buffer fibers that offer enhanced UV transmission (signal will transmit to 180 nm) and resistance to UV degradation.

Extreme Solarization-Resistant												
Wavelength Range	Item Code	Core Diameter	Buffer/Coating	0.25 m	0.5 m	1 m	1.5 m	2 m	Silicone monocoil	Stainless-steel BX	LTBR	STBR
UV/SR-VIS High OH content 200-1100 nm	QP200-2-SR-BX	200 µm	Polyimide					X		X	8 cm	2 cm
	QP300-1-SR QP300-1-SR-BX	300 µm	Polyimide			X X			X	X	12 cm	6 cm
	QP400-025-SR QP400-025-SR-BX QP400-2-SR QP400-2-SR-BX	400 µm	Polyimide	X X				X X	X X	X X	16 cm	8 cm
	QP600-025-SR QP600-025-SR-BX QP600-1-SR QP600-1-SR-BX QP600-2-SR QP600-2-SR-BX	600 µm	Polyimide	X X		X X		X X	X X	X X	24 cm	12 cm
UV-VIS XSR Solarization-resistant 180-900 nm	QP115-025-XSR-BX QP115-1-XSR-BX QP115-2-XSR-BX	115 µm	Aluminum (Primary)	X		X				X X X	4 cm	2 cm
	QP230-025-XSR-BX QP230-1-XSR-BX QP230-2-XSR-BX	230 µm	Aluminum (Primary)	X		X		X		X X X	4 cm	2 cm
	QP455-025-XSR-BX QP455-1-XSR-BX QP455-2-XSR-BX	455 µm	Aluminum (Primary)	X		X		X		X X X	8 cm	4 cm
	QP600-025-XSR-BX QP600-1-XSR-BX QP600-2-XSR-BX	600 µm	Aluminum (Primary)	X		X		X		X X X	24 cm	12 cm

Note: Fiber bend radius is expressed as Long Term (LTBR) and Short Term (STBR).