










Attenuators, Adapters & Cables

FIBERDYNE LABS, INC.

Build Out Style Attenuators (1 to 10 in 1 dB increments, 15 & 20 dB)				
Standard Build Out Style				
				
FB0111xx SC/UPC Simplex	FBD001xx SC/UPC Duplex	n/a	FBD101xx SC/APC Duplex	FB0211xx SC/APC
Standard Build Out Style				
				
FL0111xx LC/UPC	FC0111xx ST/UPC	n/a	FA0111xx FC/UPC	FA0211xx FC/APC
Reduced Length Build-Out Style				
				
FBR0211xx SC/APC	FBR0111xx SC/UPC	n/a	FAR0211xx FC/APC	FAR0111xx FC/UPC
Hybrid Build-Out Style (Female side codes: SA=SC/APC, SC=SC/UPC, FA=FC/APC, FC=FC/UPC, ST=ST/UPC)				
				
FL-SAM FC F-SM-xx Male SC/APC to Female FC	FL-SC MST F-SM-xx Male SC to Female ST	FL-FAM ST F-SM-xx Male FC/APC to Female ST	FL-FC MSC F-SM-xx Male FC to Female SC	FL-STM FC F-SM-xx Male ST to Female FC
Block Style Terminators and Attenuators (1 to 10 in 1 dB increments, 15 & 20 dB)				
Terminators			SC Block In-line Attenuators	
				
FTSCUPC SC/UPC	FTSCAPC SC/APC	FTFCAPC FC/APC	720** Singlemode	710** Multimode

Model Number Convention	
F9CwwxxGCyyzzd	
ww: 11=Simplex, 21=Duplex	
xx: A1=Singlemode, B2=Multimode	
y: Connectorization (some connectors only available in Multimode)	
1=ST/UPC	
2=FDDI	
6=SC/UPC	
7=FC/UPC	
8=ESCON	
A=FC/APC	
B=SC/APC	
M=MT-RJ	
Y=SC/UPC (yoked)	No picture
L=LC/UPC	
zz: jumper length (two digits, ex: 01, 03, 10, 20)	
d: M=meters, F=feet	

Cable Data		
Siecor Cable 8.3/125 Tight Buffer Corning Fiber Singlemode		
Parameter	Simplex	Duplex
Outside Dia.	2.9mm	2.9 x 5.8 mm
Cable Weight	7.8 Kg/km	15.6 Kg/km
Max. Tensile Load		
Short Term	500 DN	1000 DN
Long Term	300 DN	500 DN
Min. Bend Radius		
Loaded	5.0 cm	5.0 cm
Unloaded	3.0 cm	3.0 cm
Crush Rest. (N/cm)	750 N/cm	750 N/cm
Impact Resist. Cycles @ 1.6 N-m	1000	1000
Flex Resist. Cycles	7500	7500
Storage Temp:	-40 °C TO +70 °C	
Operating Temp:	-20 °C TO +70 °C	
Cable:	Yellow Nonplenum Single Mode Premium	
Single Mode:	(1300/1550 nm)	
Max. Attenuation:	1.0 / 0.75 dB/km	
Typ. Attenuation:	(@ 23 °C) 0.5 / 0.5	
Min. Bandwidth:	(MHz-km) 160 / 500	

Connector Data	
Parameter:	Single Mode FC
Interconnection Compatibility:	All Standard Conn. & Compatibles
Attenuation:	<0.3db
Durability:	<0.2dB Change - 500 Remating
Temp Range:	-40 °C to +60 °C
Storage:	-40 °C to +80 °C
Operating:	-40 °C to +80 °C
Ferrule:	Pre-Radiused Ceramic
Housing:	Composite
Reflectance:	<-30 dB for PC <-40 dB for Super PC <-55 dB for Ultra PC <-65 dB for Angled PC
Tensile Strength:	< or = 0.2 dB change, 20 lb. FOTP-6
Temperature Cycling:	-40 °C to +75 °C, 21 cycles, < 0.3 dB change

Quality Materials:	Utilizing Siecor FDDI Plus Cable for Multimode assemblies and Siecor Premium Quality for Singlemode assemblies. We use Siecor, AT&T, Amp, IBM and JDS Fitel connectors
Cable Configuration:	We build both Singlemode and Multimode assemblies. Simplex, Duplex, multiple fiber, fan-out, etc. 8 colors of Multimode Duplex and Singlemode Simplex are available
Machine Polished:	Singlemode Assemblies polished with the Seikoh Giken polishing machine (attaining -60 to -68 dB back reflection)
Any Connector:	ST, STII, SMA, FDDI, FC/PC, SC/UPC, FC/APC, ESCON, etc.
Oven Cured:	All assemblies are oven cured
Meter Tested:	Every assembly checked for dB loss and optical clarity



SC/APC 8° and SC/UPC Ultra Polish



FC/APC 8° and FC/UPC