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**Common Assembly Configurations:**

Singlemode R1S9-FC1M FC UPC  
 R1S9-FA1M FC APC  
 R1S9-LC1M LC UPC  
 R1S9-SC1M SC UPC  
 R1S9-SA1M SC APC  
 R1S9-ST1M ST UPC

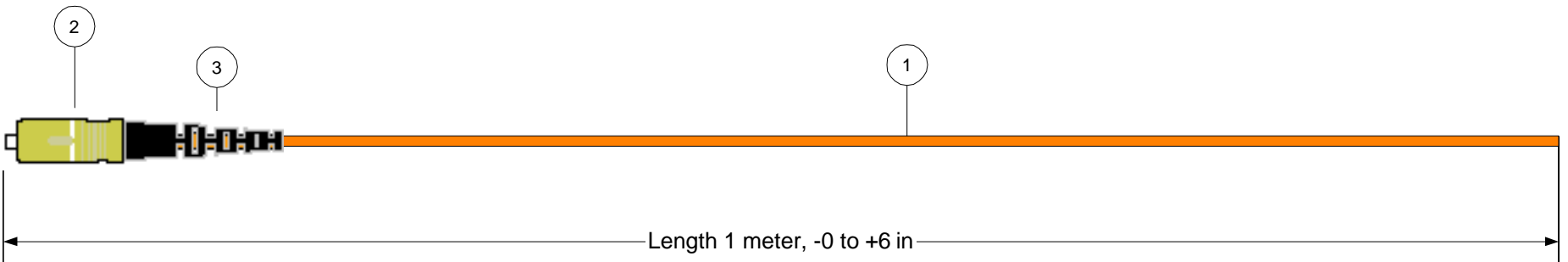
Multimode62.5 K1S9-LC1M LC PC  
 K1S9-SC1M SC PC  
 K1S9-ST1M ST PC

Multimode50 C1S9-LC1M LC PC  
 C1S9-SC1M SC PC  
 C1S9-ST1M ST PC

Multimode50 OM3 S1S9-LC1M LC PC  
 S1S9-SC1M SC PC  
 S1S9-ST1M ST PC

## SPECIFICATIONS

Construction Configuration	Simplex Tight Buffer									
Nominal OD	900um									
Flame Resistance	N / A									
Nominal Weight	2.0lbs/km									
Maximum Tensile Loads Short Term	6N									
Maximum Tensile Loads Long Term	3N									
Temperature Range Storage	-40 to 85 C									
Temperature Range Operation	-20 to 85 C									
Connector End 1	LC									
Connector End 2	N / A									
Fiber Code	R		N		K		C		S	
Fiber Type	9/125um Singlemode		8.6/125um Bend Optimized SM		62.5/125um Multimode		50/125um Multimode		50/125um LO Multimode	
Color	Yellow		Blue		Orange		Orange		Aqua	
Wavelengths (nm)	1310	1550	1310	1550	850	1300	850	1300	850	1300
Maximum Attenuation (dB/km)	1	0.75	0.35	0.21	3.75	15	3.5	1.5	3.0	1.5
Minimum LED Bandwidth (MHz*km)	-	-	-	-	160	500	500	500	1500	500
Serial Gigabit Ethernet Distance (m)	5000	-	5000	-	220	550	600	600	1,000	600
Serial 10-Gigabit Ethernet Distance (m)	10,000	40,000	10,000	40,000	26	-	82	-	300	-
Minimum Bend Radius Loaded (mm)	50		25		50		50		50	
Minimum Bend Radius Installed (mm)	30		15		30		30		30	
Insertion Loss (dB)	<=0.3		<=0.3		<=0.4		<=0.4		<=0.4	
Backreflection (dB)	<= -55 (-65 APC)		<= -55 (-65 APC)		<= -25		<= -25		<= -25	



\*Other lengths available

## Sample Bill of Material, K1S9-SC1M:

ITEM	QTY.	DESCRIPTION
1	1 m	MM62.5 Simplex Tight Buffer 900um Orange
2	1 ea	Connector SC Ceramic Epoxy & Polish
3	1 ea	Boot 900um Black

## Frederick Fiber Optics Inc.

TITLE			
Pigtail900			
DESCRIPTION			
Simplex 900um Pigtail 1 meter			
SCALE	DRAWN BY	REVISED	PAGE
NONE	AFEEZER	7/8/2008	1 OF 1

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