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Common Assembly Configurations:

Singlemode	R6D9-FC2M	FC UPC
	R6D9-FA2M	FC APC
	R6D9-LC2M	LC UPC
	R6D9-LA2M	LC APC
	R6D9-SC2M	SC UPC
	R6D9-SA2M	SC APC
R6D9-ST2M	ST UPC	

Multimode62.5 OM1	K6D9-SC2M	SC PC
	K6D9-ST2M	ST PC

Multimode50 OM2	C6D9-SC2M	SC PC
	C6D9-ST2M	ST PC

Multimode50 OM3	S6D9-SC2M	SC PC
	S6D9-ST2M	ST PC

SPECIFICATIONS

Construction Configuration	Simplex Tight Buffer 900um Strands									
Maximum Tensile Loads Short Term	6N									
Maximum Tensile Loads Long Term	3N									
Temperature Range Storage	-40 to 70 C									
Temperature Range Operation	-20 to 70 C									
Fiber Code	R		N		K		C		S	
Fiber Type	9/125um Singlemode		8.6/125um Bend Optimized SM		62.5/125um Multimode (OM1)		50/125um Multimode (OM2)		50/125um LO Multimode (OM3)	
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	1.5	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	1000	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 Max)	≤0.3		≤0.3		≤0.4		≤0.4		≤0.4	
Backreflection (dB Max)	≤ -50 (-60 APC)		≤ -50 (-60 APC)		≤ -25		≤ -25		≤ -25	

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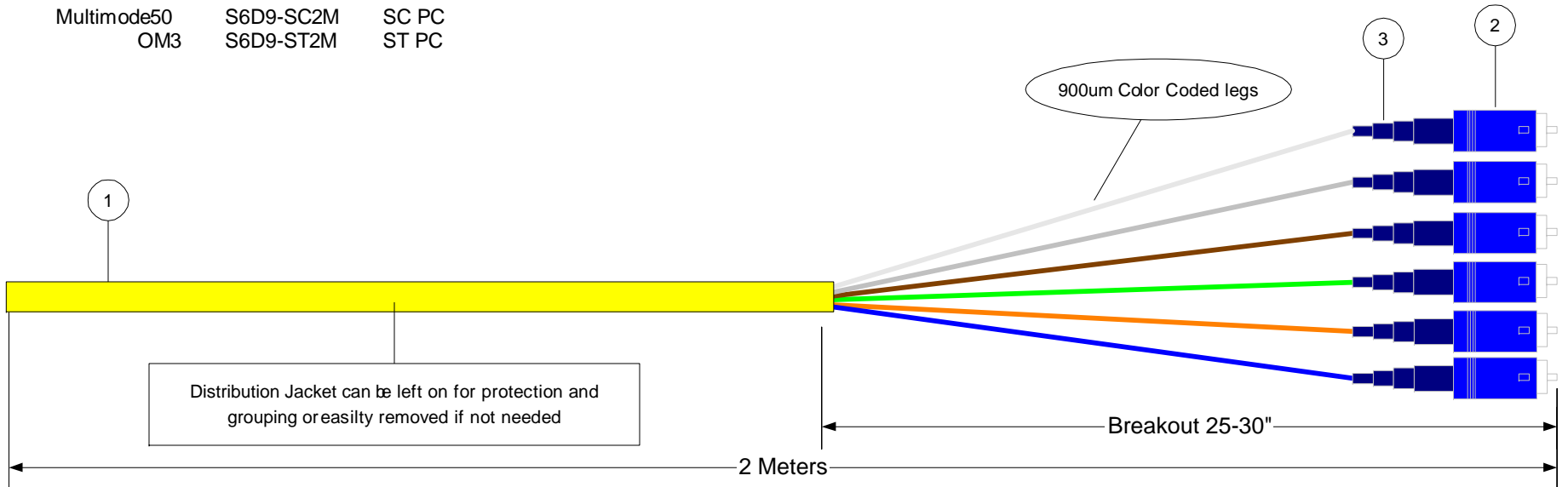
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Sample Bill of Material, R6D9-SC2M

ITEM	QTY.	DESCRIPTION
1	2M	SM 6 FIBER DISTRIBUTION Tight Buffer 900um
2	6	Connector SC Ceramic Epoxy & Polish
3	6	Boot 900um

Frederick Fiber Optics Inc.

TITLE			
Pigtail9006F			
DESCRIPTION			
6 Fiber 900um Pigtail 2 meters			
SCALE	DRAWN BY	REVISED	PAGE
NONE	AFEEZER	8/19/2009	1 OF 1

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