

<b>AVI PREMIUM SM PATCH CORDS</b>		
<b>CABLE ASSEMBLY TEST DATA CRITERIA</b>		
<b>SC,ST,FC,LC/SM/UPC</b>		
<b><u>No.</u></b>	<b><u>Test Description</u></b>	<b><u>Test Criteria</u></b>
	All Measurements @ 1550nm SM	
	Group 1: Attenuation	
<b>1.1</b>	<b>Insertion Loss</b>	<b>Max 0.2dB</b>
<b>1.2</b>	<b>Return Loss</b>	<b>Min 55dB</b>
	Ferrule Compression Force	7.8N to 11.8N
	Innerbody pushout force from outerhousing	10lbs.
	Ferrule holder pushout force from innerbody	10lbs.
	Ferrule creep after heat aging @ 80degC-3 days	<0.001 in.
	Group 2: Temp/Humid	Change in Attenuation <0.2dB
2.1	Cold	-10C, 4 days
2.2	Dry Heat	70C, 4 days
2.3	Damp Heat	40C/93%RH 4 days
<b>2.4</b>	<b>Insertion Loss</b>	<b>Max 0.2dB</b>
<b>2.5</b>	<b>Return Loss</b>	<b>Min 55dB</b>
	Group 3: Durability	Change in Attenuation <.2dB
3.1	Drop	8 drops from 1.8m
3.2	Engagement & Separation Force	Max 19.6 N
3.3	Mechanical endurance	500 cycles
<b>3.4</b>	<b>Insertion loss</b>	<b>Max 0.2dB</b>
<b>3.5</b>	<b>Return Loss</b>	<b>Min 55dB</b>
	Group 4: Vibration	Change in Attenuation
4.1	Vibration	3 axis, 30 min
4.2	Change of Temp (Nb)	-10to70C, no RH, 5 cycles, 30 min
<b>4.3</b>	<b>Insertion Loss</b>	<b>Max 0.2dB</b>
<b>4.4</b>	<b>Return Loss</b>	<b>Min 55dB</b>
	Group 5: Strength	Change in Attenuation <.2dB
5.1	Strength of Coupling Mechanism	15.5lbf for 60 sec
5.2	Cable pulling	2.2N Axial/2.2N 90deg
5.3	Cable Torsion	2.2N 10 Cycles
	Cable flex	2.2N 100cycles
<b>5.4</b>	<b>Insertion Loss</b>	<b>Max 0.2dB</b>
<b>5.5</b>	<b>Return Loss</b>	<b>Min 55dB</b>
	Group 6: Interoperability	
<b>6.1</b>	<b>Insertion loss</b>	<b>Max0.2dB</b>
<b>6.2</b>	<b>Return Loss</b>	<b>Min 50dB</b>
	Group 7: Geometric Specifications	
7.1	Ferrule ROC	10mm to 25mm
7.2	Protusion	50um to -125um
7.3	Apex Offset	<50um