



FIBRE OPTIC CABLE

## SM FIBRE – BEND INSENTIVE

## G657A1/A2

### OPTICAL CHARACTERISTICS

Variable		Unit	G657A1	G657A2
Attenuation	1310nm	dB/km	≤0.35	≤0.35
	1383nm		≤0.35	≤0.35
	1550nm		≤0.21	≤0.21
	1625nm		≤0.23	≤0.23
Attenuation Coefficient/Uniformity		dB/km	≤0.03	≤0.05
Zero- Dispersion Wavelength		nm	1300~1324	1300~1324
Zero- Dispersion Slope		ps/mm <sup>2</sup> km	≤0.092	≤0.092
Dispersion Co-Efficient	1288~1339	nm	≤3.5	≤3.5
	1271~1360		≤5.3	≤5.3
	1550		≤18	≤18
	1625		≤22	≤22
PMD		ps/km <sup>1/2</sup>	≤0.1	≤0.1
Mode Field Diameter		nm	8.8±0.4	8.6±0.4
Cladding Diameter			125±0.7	125±0.7
Cable Cut-Off wavelength			≤1260	≤1260
Coating Diameter			243±5	243±5
Coating Concentricity			≤8	≤8
Coating Roundness		%	≤3	≤3
<b>Environmental Characteristics</b>				
Temperature Induced Attenuation			≤0.05	≤0.05
Dry Heat Induced Attenuation			≤0.05	≤0.05
Damp Heat Induced Attenuation			≤0.05	≤0.05
<b>Mechanical Characteristics</b>				
Strain			≥1.05%	≥1.05%
Tensile Strength (10m)			2.76	2.76
Cating Peak Stripping Force		N	1.0~8.9	1.0~8.9
Coating Average Stripping Force		N	1.0~5.0	1.0~5.0