Reference Document	Document No.	LINDEN-SPE-7081
Title	Cable Spec – STFOC Non-Kink RadHard 1.2, 1.4, 1.65, 2.0, 2.2	

Rev	Date	Author	Notes
0	10/23/14	SMO	Initial Release

Cable Specification

Item No.	Component	Details
1	Cable OD	1.2 mm (0.047”); 1.4 mm (0.055”); 1.65 mm (0.065”); 2.0 mm (0.079”); 2.2 mm (0.087”)
2	Cable OD Tolerance	±0.003”for 1.2 mm and 1.4mm construction; ±0.005" for 1.65mm, 2.0mm and 2.2mm cables
3	Fiber	DrakaElite Radiation Hardened 62.5/125 Multimode
4	Jacket	Linden Proprietary Design; Primary strength coating: LCP
5	Attenuation @ 850 nm (dB/km)	2.5
6	Attenuation @ 1500 nm (dB/km)	3.5
7	Optical Propagation Loss Measurements	Performed 100% on all cables at 1500
8	Tensile Strength (lb); measured at stress rate ~ 100 lbs/min	50
9	Tensile Strength measurement	Performed 100% on all cables at stress rate ~ 100 lbs/min; average of 5 samples, 1 m samples cut from end of finished cable
10	Serialization	All cables will have Cable ID number for traceability
11	Test Data	A package detailing optical propagation, loss and tensile strength data will be supplied with each shipment

OD (P/N): 1.2mm (1-O-A-8.5-27-J-10-47); 1.4mm (1-O-A-8.5-27-J-14-55); 1.65mm (1-O-A-8.5-27-J-19-65); 2.0mm (1-O-A-8.5-27-G-126-79); 2.2mm (1-O-A-8.5-40-J-30-87)

For color designation add the following to Cable P/N: Blue (-BLU); Brown (-BRN); Green (-GRN); Gray (-GRA); Orange (-ORN); Red (-RED); Violet (-VIO); White (-WHT); Yellow (-YEL)