



Reference Document	Document No.	LINDEN-SPE-7050
Title	Cable Spec – High Strength STFOC	

## Cable Specification

Item No.	Component	Details
1	Cable OD	2.4 mm (0.087") nom.
2	Fiber	Singlemode
3	Jacket	Linden Proprietary Design; Primary strength coating: LCP/Kevlar/TPU
4	Attenuation @ 1310 nm (dB/km)	< 0.45
5	Attenuation @ 1550 nm (dB/km)	< 0.35
6	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
7	Min Bend Radius	15mm
8	Tensile Strength (lbs); measured at stress rate ~ 900 N/min	450; Performed 100% on all cables; average of 5 samples
9	Safe Working Load (SWL)	Recommended guideline - 15% (68 lbs); SWL is application and environment dependent
10	Minimum Bend Radius (MBR)	Recommended guideline - 48 mm (1.75"); MBR is application and environment dependent
11	Tensile Strength Measurement	Qualification by Calculation
12	Weight in air	5.5 kg/km
13	Operating Temp	-60°C to +100°C
14	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 2.2mm (1-SM-A-27-O-55-Q-95)

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); Black (-BLK); Neon Green (-NGN)