



Reference Document	Document No.	LINDEN-SPE-7411
Title	Cable Spec – Buoyant (250lbs)	

## Cable Specification

Item No.	Component	Details
1	Cable OD	2.2 mm (0.085”) nom.
2	Fiber	Singlemode
3	Jacket	Linden Proprietary Design; Primary strength coating: LCP/Kevlar/Santoprene
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	Tensile Strength (lb); measured at stress rate ~ 100 lbs/min	250
8	Safe Working Load (SWL)	Recommended guideline - 15% (38 lbs); SWL is application and environment dependent
9	Minimum Bend Radius (MBR)	Recommended guideline - 44 mm (1.7”); MBR is application and environment dependent
10	Tensile Strength Measurement	Qualification by Calculation
11	Specific Gravity	0.95 nom.
12	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 2.2 mm (1-SM-J-36-O-56-L-85-YEL)

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)