Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7207
Title	Cable Spec – Buoyant TUNA Optical Cable	

Cable Specification

Item No.	Component	Details
1	Fiber	Singlemode
2	Jacket	Linden patented design; LCP plus low density outer jacket
3	Color of outer jacket	Yellow
4	Cable Average OD (mm)	1.1
5	Average OD tolerance (mm)	± 0.015
6	Cable OD Tolerance (mm)	± 0.05
7	Cable SG at lab ambient	1.027 ± 1%
8	SG of LCP coated cable	>1.3
9	Optical propagation loss @ 1550 nm (dB/km)	< 0.35
10	Optical Propagation Loss Measurements	Performed 100% on all cables at 1550nm
11	Tensile Strength (N); measured at stress rate ~ 100 lbs/min	>250 Performed 100% on all cables; average of 5 samples
12	Cable quasi-static ultimate tensile strength (N)	>180
13	Serialization	All cables will have Cable ID number for traceability
14	Test Data	Cable Report provided with all cable packs

OD (P/N): 1.1 mm (1-SM-A-27-R-46-YEL)