Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7573
Title	Cable Spec – STFOC Non-Kink 750lbs (-525)	

Cable Specification

Item No.	Component	Details
1	Cable OD	3.5 mm (0.137”)
2	Cable OD Tolerance	±0.127mm (0.005")
3	Fiber	Singlemode
4	Jacket	Linden Proprietary Design; Primary strength coating: LCP/Aramid Braid/TPU
5	Attenuation @ 1310 nm (dB/km)	< 0.45
6	Attenuation @ 1550 nm (dB/km)	< 0.35
7	Optical Propagation Loss Measurements	Performed 100% on all cables at 1310nm and 1550nm
8	Tensile Strength (lbs)	750 lbs
9	Safe Working Load (SWL)	Recommended guideline - 15% (113 lbs); SWL is application and environment dependent
10	Minimum Bend Radius (MBR)	Recommended guideline - 70 mm (2.75”); MBR is application and environment dependent
11	Weight in Air	11.5 g/m (7.75 lbs/1,000 ft)
12	Specific Gravity	1.2
13	Tensile Strength Measurement	Qualification by Calculation
14	Serialization	All cables will have Cable ID number for traceability
15	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 3.5mm (1-SM-A-27-O-55-Q-137)

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)