Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7577
Title	Cable Spec – STFOC High-Strength 2,000lbs (-529)	

Cable Specification

Item No.	Component	Details
1	Cable OD	7.0 mm (0.275”)
2	Fiber	Singlemode
3	Jacket	Linden Proprietary Design; Primary strength coating: LCP/Aramid Braid/Polyester Braid
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 (lbs)	2,000 lbs
8	Safe Working Load (SWL)	Recommended guideline - 15% (300 lbs); SWL is application and environment dependent
9	Minimum Bend Radius (MBR)	Recommended guideline - 140 mm (5.5”); MBR is application and environment dependent
10	Weight in Air	36 g/m (25 lbs/1,000 ft)
12	Tensile Strength Measurement	Qualification by Calculation
13	Serialization	All cables will have Cable ID number for traceability
14	Test Data	A package detailing optical propagation will be supplied with each shipment

OD (P/N): 7.0mm (7098-O-177-OO-275)

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)