Linden Photonics, Inc.

Purpose-Built Cables

PRISM AWARDS WINNER

Reference Document	Document No.	LINDEN-SPE-7052
Title	Cable Spec – High Strength STFOC 1.9mm	

Cable Specification

Item No.	Component	Details
1	Cable OD	1.9 mm (0.075”) 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	Tensile Strength (lb);	250
8	Tensile Strength measurement	Performed 100% on all cables at stress rate ~ 100 lbs/min; average of 5 samples, 1 m samples cut from end of finished cable
9	Safe Working Load (SWL)	Recommended guideline - 15% (38 lbs); SWL is application and environment dependent
10	Minimum Bend Radius (MBR)	Recommended guideline - 38 mm (1.5”); MBR is application and environment dependent
11	Weight in air	3.6 kg/km
12	Operating Temp	-40°C to +85°C
13	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 1.9mm (1-SM-A-27-B-30-O-45-Q-75)

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)