



Reference Document	Document No.	LINDEN-SPE-7171
Title	Cable Spec – High Strength STFOC 3.5mm (250lbs)	

Cable Specification

Item No.	Component	Details
1	Cable OD	3.5 mm (0.137")
2	Cable OD Tolerance	±0.127mm (0.005")
3	Fiber	9/125 Singlemode
4	Jacket	Linden Proprietary Design; Hytrel/Kevlar/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	Min Bend Radius	20mm
9	Tensile Strength (lb); measured at stress rate ~ 100 lbs/min	250
10	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
11	Weight in air	11kg/km
12	Operating Temp	-60°C to +100°C
13	Serialization	All cables will have Cable ID number for traceability

OD (P/N): 3.5mm (1-SM-A-27-B-30-O-45-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)