



|                    |                                              |                 |
|--------------------|----------------------------------------------|-----------------|
| Reference Document | Document No.                                 | LINDEN-SPE-7223 |
| Title              | Cable Spec – STFOC Non-Kink Buoyant (250lbs) |                 |

## Cable Specification

| Item No. | Component                             | Details                                                                             |
|----------|---------------------------------------|-------------------------------------------------------------------------------------|
| 1        | Cable OD                              | 2.75 mm (0.108") nom.                                                               |
| 2        | Fiber                                 | Singlemode                                                                          |
| 3        | Jacket                                | Linden Proprietary Design;<br>Primary strength coating: LCP/Kevlar/TPE              |
| 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)                | 250                                                                                 |
| 8        | Tensile Strength Measurement          | Qualification by Calculation                                                        |
| 9        | Safe Working Load (SWL)               | Recommended guideline - 15% (38 lbs); SWL is application and environment dependent  |
| 10       | Minimum Bend Radius (MBR)             | Recommended guideline - 55 mm (2.16"); MBR is application and environment dependent |
| 11       | Specific Gravity                      | 1.0 (nominal)                                                                       |
| 12       | Operating Temp                        | -60°C to +100°C                                                                     |
| 13       | Serialization                         | All cables will have Cable ID number for traceability                               |

OD (P/N): 2.75mm (1-SM-A-27-B-30-O-47-L-108)

For color designation add the following to Cable P/N: Orange (-ORN);