# Linden Photonics, Inc.

*Purpose-Built Cables*

PRISM AWARDS WINNER

| Reference Document | Document No. | LINDEN-SPE-7511 |
|---|---|---|
| Title | Cable Spec – High Strength, 12-channel, (-472) | |

## Cable Specification

| Item No. | Component | Details |
|---|---|---|
| 1 | Cable OD | 5.1 mm (0.200”) nom. |
| 2 | Fiber | 12 x Singlemode (9/125); LINDEN-SPE-7299 |
| 3 | Jacket | Linden Proprietary Design; Fibers/Aramid/Polyurethane |
| 4 | Attenuation @ 1310 nm (dB/km) | < 0.5 |
| 5 | Attenuation @ 1550 nm (dB/km) | < 0.5 |
| 6 | Optical Propagation Loss Measurements | Performed 100% on all cables at 1310nm & 1550nm |
| 7 | Tensile Strength (lbs) | 1,000 lbs |
| 8 | Safe Working Load (SWL) | Recommended guideline - 15% (150 lbs); SWL is application and environment dependent |
| 9 | Minimum Bend Radius (MBR) | Recommended guideline - 102 mm (4.0”); MBR is application and environment dependent |
| 10 | Nom. Weight in Air | Nom. 25 kg/km |
| 11 | Serialization | All cables will have Cable ID number for traceability |
| 12 | Test Data | A package detailing optical propagation will be supplied with each shipment |

OD (P/N): 5.1 mm (12-FO-O-139-Q-200)

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)