



AVNOC

Avionic Cable

Simple Design

Improved Performance



AVNOC

Linden's avionic grade fiber optic cables are designed for the most rigorous avionic environment. We design our avionic cables to survive the perils of aircraft confines such as high temperature, high vibration and extreme flexing. Using our patented cable jacket construction designed to protect the fiber from harsh mechanical conditions; our cables are stronger, lighter and smaller than existing flight qualified cables.



Features

- AS5382 Qualified
- Qualified for F-35
- Simple 3-layer extruded construction
- High temperature
- Lighter design
- Bend insensitive 9um singlemode compatible
- No carbon layer needed

Advantages

- No Kevlar
- Non-Wicking
- Non-Crush
- Non-Kink
- Lower Cost
- Easier to terminate
- Better fatigue performance than carbon coated fibers



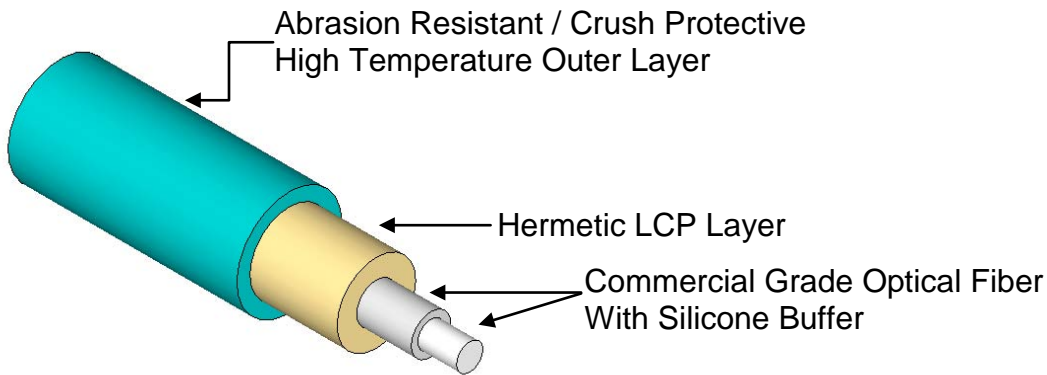


Singlemode

| Part Number | Fiber Type | OD | Attenuation @ 1310nm | Attenuation @ 1550nm | Tensile Strength (lbs) | Weight (kg/km) |
|------------------------|---|-------|----------------------|----------------------|------------------------|----------------|
| 1-D-A-8.5-27-M-19.5-66 | Draka BendBright Elite with silicone buffer | 1.8mm | 1.5 dB/km | 1.4 dB/km | >50 | 4.0 |

Multimode

| Part Number | Fiber Type | OD | Attenuation @ 850nm | Attenuation @ 1310nm | Tensile Strength (lbs) | Weight (g/m) |
|------------------------|----------------------------------|-------|---------------------|----------------------|------------------------|--------------|
| 1-E-A-8.5-27-M-19.5-66 | Draka 50/125/242 silicone coated | 1.8mm | 6 dB/km | 4 dB/km | >50 | 4.0 |
| 1-I-A-8.5-27-M-19.5-66 | OFS Laser Optimized 62.5 | 1.8mm | 6 dB/km | 4 dB/km | >50 | 4.0 |



Contact Linden Photonics for more detailed specifications or custom requirements