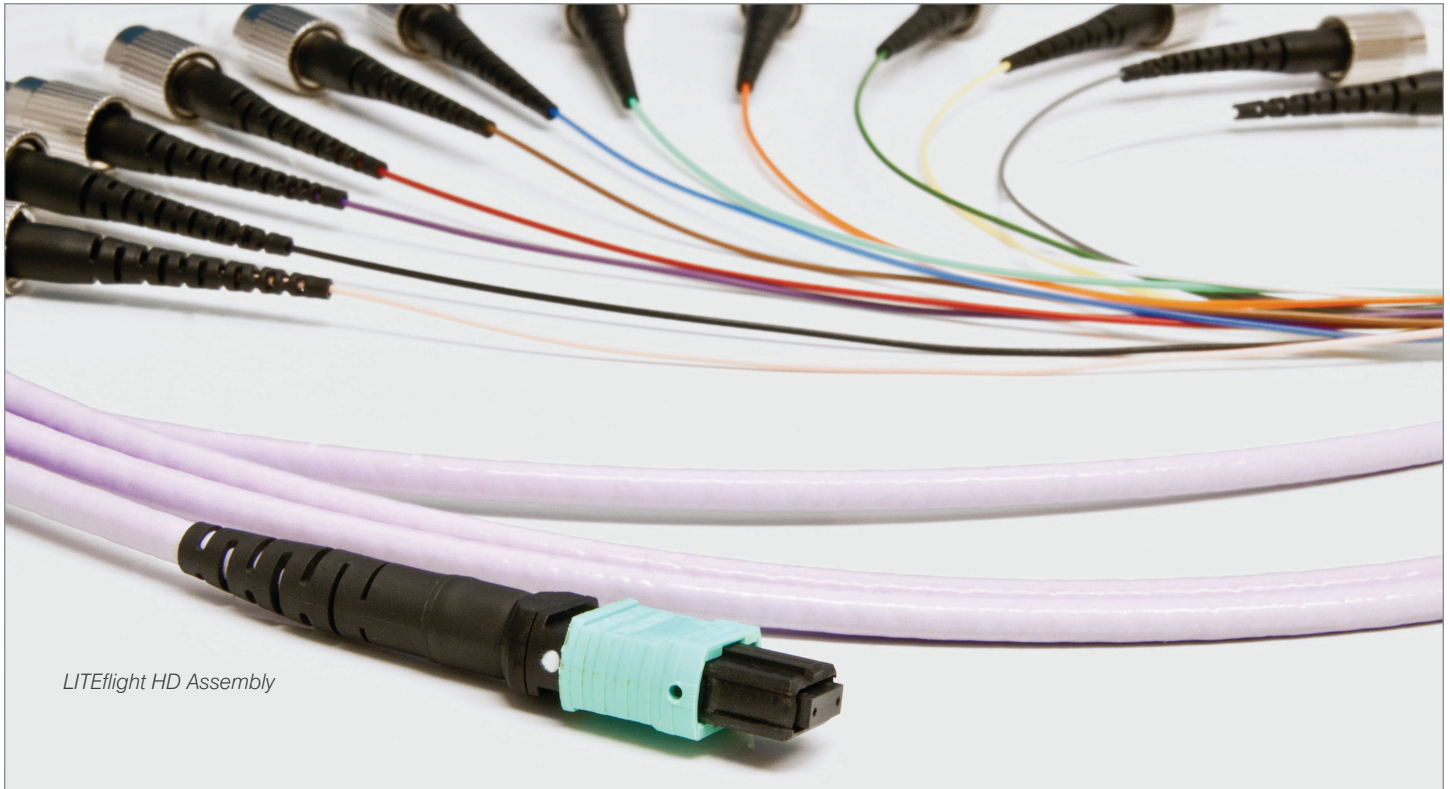
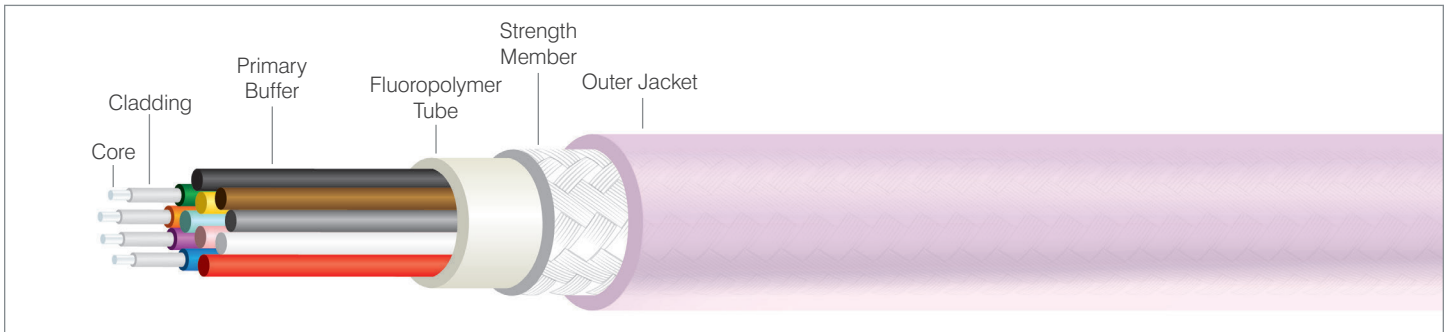


# LITEflight® HD Fiber Optic Cables



LITEflight HD Assembly



## INTRODUCTION

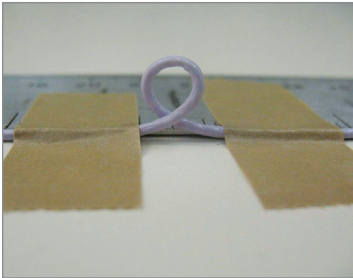
Carlisle Interconnect Technologies' (CarlisleIT) LITEflight® HD (High Density) Fiber Optic Cables build on the industry-leading performance of all CarlisleIT fiber cable products. With a cable designed for compatibility and cutting-edge fiber optic connector designs, LITEflight HD Cables offer a multi-channel fiber cable in the smallest package, compatible with industry-leading MPO connector interfaces and emerging multi-fiber termination connectors. LITEflight HD cables offer system designers maximum interconnect density with cable designed and tested to perform in the harshest environments.

## KEY FEATURES

- » FAR 25 Flame Compliance
- » Low Smoke & Toxicity
- » No Preferential Bend Axis (360°)
- » Broad Temperature Range: -65 °C to 150 °C
- » Designed for Harsh Aerospace Environments
- » Rugged for Severe Installation Requirements

# LITEflight® HD Fiber Optic Cables

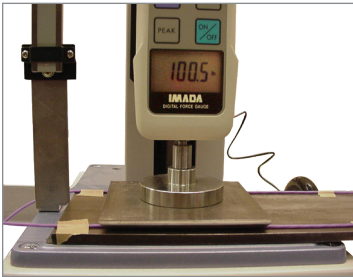
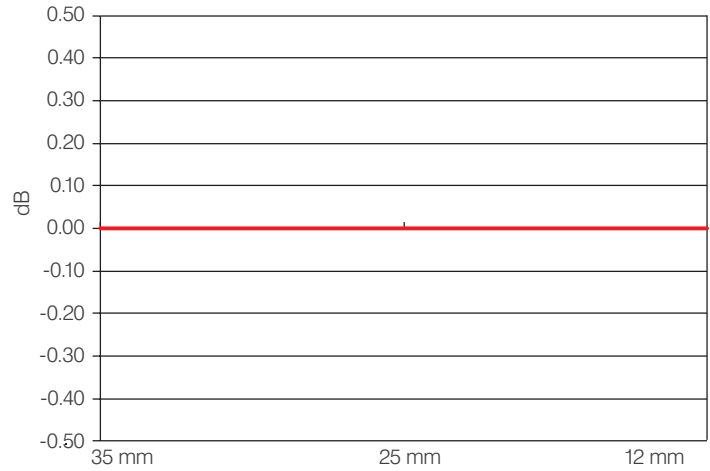
## PERFORMANCE EXAMPLES



Radius	dBΔ
35 mm	0.00
25 mm	0.00
12 mm	0.00

**Optical Loss vs. Bend Radius (mm)**

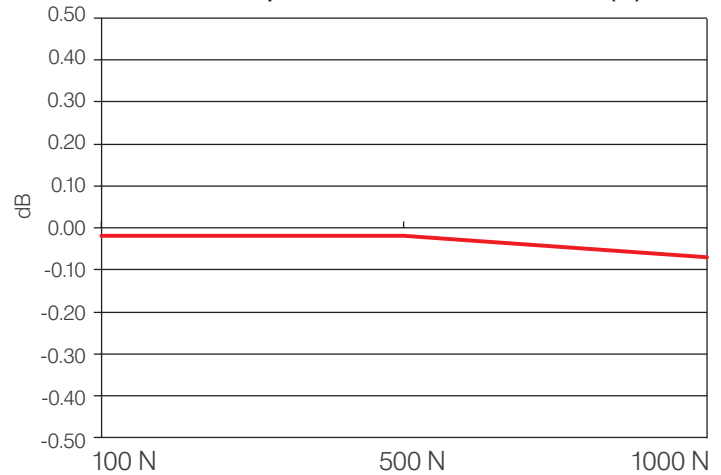
Straight line indicates no optical loss on the following bend radius tests.



N	dBΔ
100	0.00
500	0.00
1000	-0.05

N = Newton

**Optical Loss vs. Crush Force (N)**



## PART NUMBER GUIDE

**Temperature Rating**

- 125 125 °C Rated Acrylate
- 150 150 °C Rated Acrylate
- 260 260 °C Rated Polyimide

Base Part Number ■ **NFO(HD)- X Y Z\***

**Fiber Type**

- 1 250um Buffered 62.5/125 Multimode
- 3M3 250um Buffered 50/125 Multimode OM3\*
- 3M4 250um Buffered 50/125 Multimode OM4\*
- 5B 250um Buffered Singlemode Bend-Insensitive

**Fiber Count\***

- 12
- 24
- 48

\*Other fiber counts available



See CarlisleIT's line of Fiber Optic products at:  
[CarlisleIT.com/products/fiber-optic-products](http://CarlisleIT.com/products/fiber-optic-products)

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[Sales@CarlisleIT.com](mailto:Sales@CarlisleIT.com)