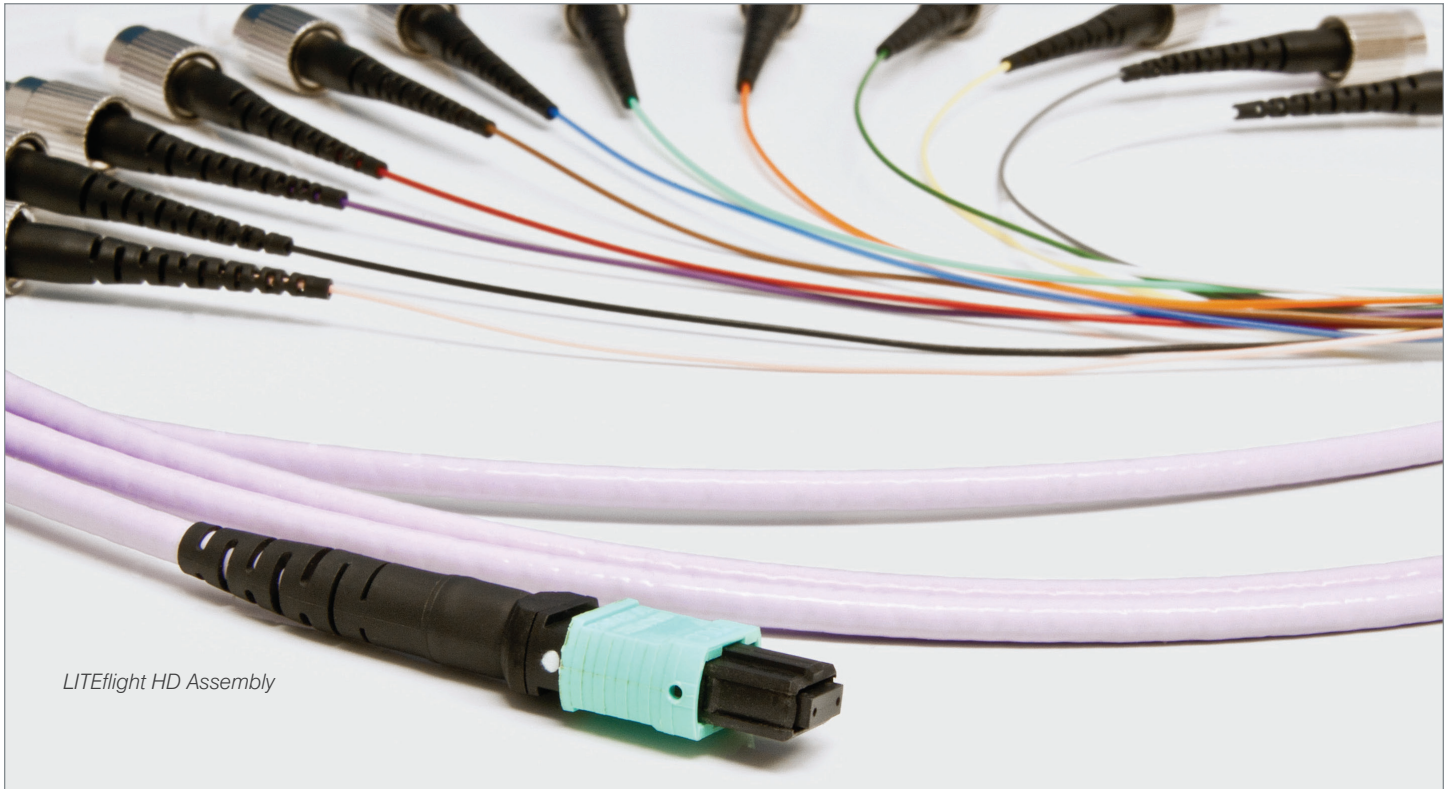
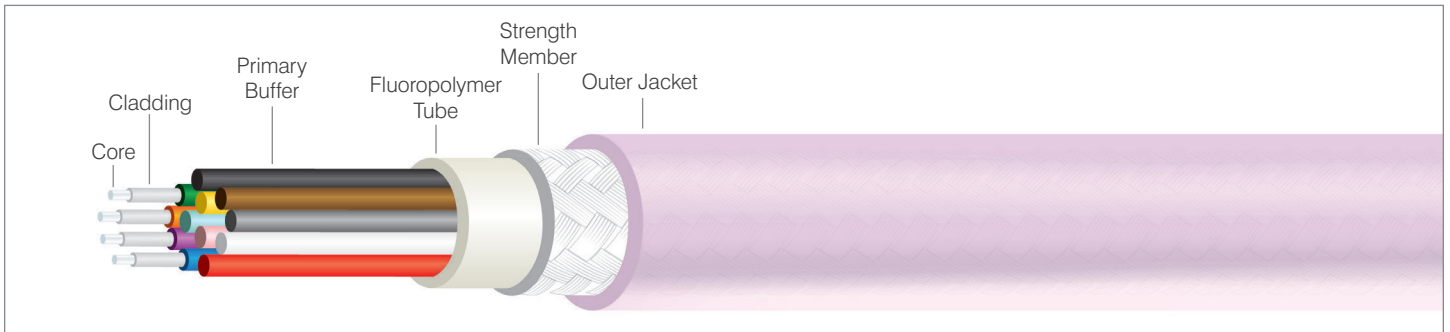


LITEflight® HD Fiber Optic Cables



LITEflight HD Assembly



INTRODUCTION

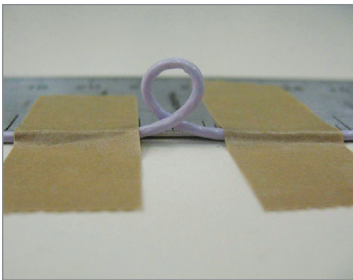
Carlisle Interconnect Technologies' (CarlisleIT) LITEflight® HD (High Density) Fiber Optic Cables build on the industry-leading performance of all CarlisleIT fiber cable products. With a cable designed for compatibility and cutting-edge fiber optic connector designs, LITEflight HD Cables offer a multi-channel 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

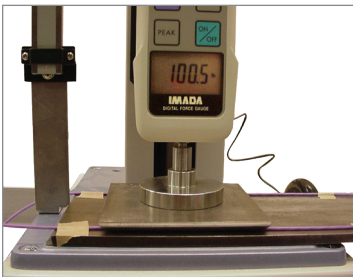
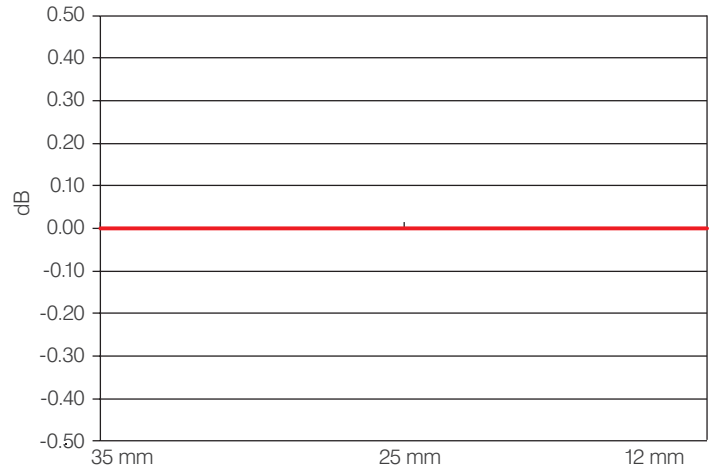
PERFORMANCE EXAMPLES



Radius	dBΔ
35 mm	0.00
25 mm	0.00
12 mm	0.00

Optical Loss vs. Bend Radius (mm)

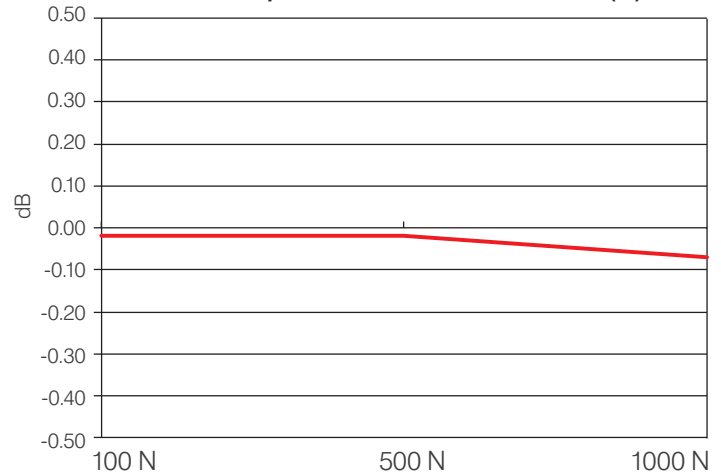
Straight line indicates no optical loss on the following bend radius tests.



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

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