

# Specialty Cables

General Cable fiber optic specialty cables are designed, engineered, and manufactured to specification for specialized and custom applications. The many markets for General Cable represent an extensive range of military, marine/oil rig, transit, utility, industrial, and other diverse applications.

## Commitment

Our commitment to meet even the most stringent demands of our customers with the most advanced products is demonstrated by:

- Technical leadership through the research and development of Low-Smoke, Zero-Halogen (LSZH) cabling systems which inhibit the spread of fire, smoke, and toxic fumes
- Our leading role in the development of thermoset jackets which stand up to severe stresses of installation and operation in hostile environments
- Engineering expertise in the design and manufacture of hybrid cables
- Dedicated state-of-the-art manufacturing facilities
- Comprehensive Total Quality Management programs



## Expertise

General Cable plays a dedicated role in the design and production of special configurations and jacketing systems for military cables. We have a fully qualified range of shipboard cables to MIL-PRF-85045/13, 15, 16, 17, 18, 20, 21, 22, 23 and 24, and in addition, General Cable's facilities have been awarded the MIL-STD-790 product assurance program certification. This program acknowledges and accepts General Cable's in-house testing of fiber optic cabling system products and components from its inspected manufacturing facilities as full verification of compliance with QPL (Qualified Products List) specifications for military cables and accessories, by the Defense Logistics Agency.

General Cable also manufactures aerospace cables qualified for military, commercial, and space flight use. These engineering challenges are met utilizing our rigorous design philosophy developed over decades of cable manufacturing experience.

## Knowledge

At General Cable, our knowledgeable sales and engineering staff can assist you to determine the right cable solution designed for high performance and reliability under adverse conditions. Some factors to consider beforehand are:

- Current and future bandwidth requirements
- Acceptable attenuation rate over distance
- Cable dimension requirements
- Environmental and mechanical requirements i.e. ruggedness, flexibility, flame-retardance, abrasion and chemical resistance, temperature extremes
- UL/NEC and IEC requirements and compatibility with existing systems
- Signal source, connectors and terminations
- Cost of installation

By selecting General Cable as your supplier, especially in specialized cabling systems, our products provide you with greater performance and in-service reliability, optimizing the lifecycle costs of your cabling system. Call us... we want to be part of your success.

# Revolutionizing Fiber Networks Blown Fiber Technology

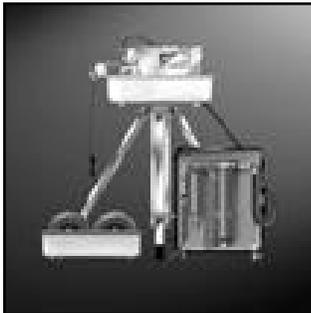


Blolite™ blown fiber technology provides unparalleled flexibility in network design - anticipating and facilitating future changes as the network evolves. The Blolite system delivers the ultimate fiber solution for backbone, FTTD (Fiber-To-The-Desk), and specialized military applications. The best long-term choice for your business... Blown Fiber technology will continue to provide time, cost and service benefits to the network throughout its lifecycle.

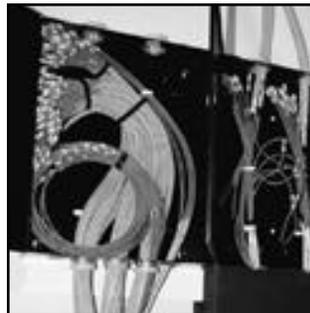


## How Does It Work?

Small, flexible, empty Microduct tubes are initially installed, and compressed air is then used to blow the optical fiber through the Microducts. As a result of our material and design technology, our blown fiber system offers the opportunity to install fiber through difficult runs and further distances where installation of traditional optical fiber would be challenging and expensive. This enhanced feature sets our system apart from others available in today's market. Microduct eliminates potential damage to fibers during installation since empty tubes are installed initially and fiber is blown in later.



Installation equipment



Multiduct cables in wall box at an intermediate crossconnect

## Why Blolite™ Blown Fiber System?

### Design Control

Future proof your network by installing only what you need today, reserving capacity for tomorrow's requirements. Design to meet present needs, but build strategically for long term. Pay as you grow.

### Installation Ease

Microduct tubing and simple push-fit connectors make building a network infrastructure simple. Blolite eliminates potential damage from pulling and overstressing fiber optic cables, as well as resulting costs, delays, or latent failures. Point to point links means lower attenuation, higher performance and increased system integrity.

### Flexibility

The Blolite™ system can adapt to any network architecture or topology. Add new destinations, relocate routes and hubs, change fiber types and counts, reconfigure LAN's, add new services and technologies, as required.

### Capability for Quick Recovery

Disaster recovery from physical damage to the cabling infrastructure with the Blolite system means days versus weeks resulting in minimal downtime and labor costs. Damaged Microduct tubing is removed and replaced, then within minutes, new optical fiber is blown in and terminated. A much faster and far less costly disaster recovery is one of the many obvious benefits of the blown fiber system.

Call us... we want to be part of your success.  
[www.blolite.net](http://www.blolite.net)

