

The Blolite® Blown Fiber System Advantage

“Pay as you grow” Deferred Investment

Future-proof your network by installing only the fiber you need today, reserving Microduct capacity for tomorrow’s requirements. Design tactically to meet present needs, but build strategically for the long term. Pay as you grow.

Extraordinary Design Flexibility

The Blolite Blown Fiber System can adapt to any network architecture or topology changes over the life of your network. Quickly and economically add new destinations, relocate routes, change fiber types and counts, reconfigure LANs and add new services and technologies, as required. New sections of Microduct can be spliced to existing Microduct with a simple push-fit connector.

Adaptable to Any Environment

Our Blolite technology is compatible with any network topology and nearly every local area network installation environment. Moves, Adds and Changes (MACs) can be accomplished with minimal workplace disruption as your network evolves and changes.

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, easily achieved with Blolite for situations in which conventional fiber optic cable would require splices, mean lower attenuation, higher performance and increased system integrity.

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. Only the damaged section of Microduct is removed and replaced, then within minutes, new optical fiber is blown in, then terminated. Much faster and a far less costly disaster recovery is one of the many obvious benefits of the Blolite Blown Fiber System.

Improved Reliability

Because Microduct is installed empty, there is no risk of fiber damage during installation. Optical fibers are blown into place, rather than pulled, with zero tensile stress on the fiber during the installation process. Because point-to-point links are easily accommodated, fiber splice points can be eliminated, lowering attenuation and increasing system performance and integrity.

Installation Cost Savings

Only two people are needed to blow in the optical fiber. Fiber terminations are typically quicker than with conventional cable, since no time needs to be devoted to cable preparation. Additionally, termination and testing is simplified with no dark fiber to contend with.

Blolite® Blown Fiber Maximum Blowing Distance Capability

AIR VOLUME	100 LPM (3.5 CFM)			150 LPM (5.3 CFM)		
NO. OF FIBERS	4	8	12	4	8	12
DUCT SIZE	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Semi-Tortuous	400	400	300	400	400	300
Non-Tortuous	500	500	400	500	500	400
DUCT SIZE	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm
Semi-Tortuous	600	600	0	1000	1000	500
Non-Tortuous	1000	750	100	1000	1000	500

The fiber blowing performance will be reduced for air sources with a lower flow capability. The minimum flow rate recommended is 100 LPM (3.5 CFM). The table at left reflects the reduced performance achievable with a reduction in air source capability.

DEFINITIONS

SEMI-TORTUOUS: Up to 50 90° bends of the minimum bend radius for the specified diameter tube cable over the maximum installation distance in the table.

NON-TORTUOUS: Up to 20 90° bends of the minimum bend radius for the specified diameter tube cable over the maximum installation distance in the table.

AIR SOURCE REQUIREMENTS: General Cable recommends the use of an air source capable of producing a constant pressure of 10 BarG (145 PSI) with a minimum flow capacity of 150 LPM (5.3 CFM) to achieve the maximum distances detailed in the performance table at left.

Note: The maximum distances stated above must not be exceeded.

NEXTGEN® BRAND BLOWABLE FIBER MAXIMUM BLOWING DISTANCE CAPABILITY

This technology is best suited to non-tortuous applications. Talk to your General Cable representative for more details.