

## REVOLUTIONIZING OUTSIDE PLANT NETWORKS

Today's communication networks carry information at higher speeds than ever before. The needs of tomorrow will be even more demanding. The technology deployed to meet these needs is changing and the use of optical fiber in metropolitan, access and campus networks is growing rapidly.

Technologies for the deployment of optical fiber networks are also changing. The use of air blown fiber is becoming more widespread.

### MICROBLO™ SYSTEM ADVANTAGES:

**DEFERRED NETWORK INVESTMENT** – Initially install MicroDuct network and fiber capacity necessary to meet current needs. No need to install, connectorize and test dark fiber for unknown future demands. Additional MicroBlo cable can be installed on an as-needed basis, allowing you to pay as you grow and invest today only to meet today's requirements.

**INCREASED FLEXIBILITY FOR NETWORK GROWTH** – In today's dynamic communications environment it's nearly impossible to forecast future network needs. The MicroBlo system provides the flexibility to add additional MicroBlo cable to expand the capacity of your network and is designed for easy network topographical extensions, simply by connecting new MicroDuct links to your existing MicroDuct infrastructure.

**FUTURE-PROOF FIBER FLEXIBILITY** – The right fiber choice for today's network may not be the right choice for your future network. Fiber performance standards continue to evolve as do network transmission standards. The MicroBlo system makes it easy to upgrade fiber in the future. Just blow out obsolete fiber and re-install state-of-the-art fiber as technologies change over time.

**REDUCED SPLICING AND/OR NODE REQUIREMENT** – MicroBlo cable can be installed through multiple sections of connectorized MicroDuct. Trunk lines can be branched out into smaller distribution lines, then a continuous run of MicroBlo cable is installed from point to point. This reduces network splice points and improves both performance and reliability.

**SHORTER TIME TO SERVICE** – Adding additional capacity to an existing MicroBlo system network is a breeze! New MicroBlo cable can be installed in empty MicroDuct pathways without network or environment disruptions, allowing new users or new locations to be added to a network much more quickly than conventional cable installation would allow.

REVOLUTIONIZING

FIBER

NETWORKS

**MICROBLO**  
AIR BLOWN FIBER SOLUTIONS

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**FLEXIBLE, LOW DENSITY OUTSIDE PLANT  
FIBER OPTIC NETWORKS**

**NEXTGEN**  
FIBER OPTICS LLC

A GenStone and General Cable Joint Venture Company

**General Cable**

**General Cable**

**NEXTGEN**  
FIBER OPTICS LLC

A GenStone and General Cable Joint Venture Company

*A flexible, economical, future-proof, fiber-on-demand network for large and small outside plant networks. The MicroBlo™ system adapts easily to campus loop, metropolitan, access and fiber-to-the-home network topologies.*

## Step 1 Install a network of small empty MicroDucts



**MultiDuct cables, populated with empty MicroDucts, provide capacity for future network expansion**

- 5mm MicroDuct for 2.65mm fiber cable
- 10mm MicroDuct for 6.0mm fiber cable
- 5mm MultiDuct with 1, 4, 7, 12 and 19 MicroDuct configurations
- 10mm MultiDuct with 1, 4 and 7 MicroDuct configurations
- Constructions suitable for duct or direct-buried environments, including water-blocked and armored designs

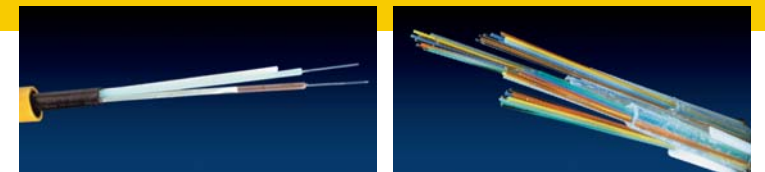
## Step 2 Connect MicroDucts with push-fit connectors housed in compatible Tyco closures



**The MicroBlo system makes it easy and economical to add to or change your network as needs evolve**

- Tyco FIST and FOFC fiber management products have been modified for compatibility with the MicroBlo system, providing an end-to-end tested solution
- Fully modular MicroBlo cable and MicroDuct management hardware simplifies both network expansion and MicroDuct routing changes over the life of the network
- 5mm and 10mm push-fit connectors make MicroDuct joints both quick and easy

## Step 3 Choose a MicroBlo cable to meet your current needs



**Install only the fiber you need today, additional MicroBlo cables can be blown into empty MicroDucts when added capacity is required**

- MicroBlo drop cable in a tight buffered construction, with a Polyethylene jacket and a 2.65mm overall diameter
- MicroBlo cable with up to 48 fiber capacity in a loose tube construction, with a Polyethylene jacket and a 6.0mm overall diameter
- MicroBlo cable is available with all standard fiber types: singlemode, 50/125 multimode and 62.5/125 multimode

## Step 4 Install MicroBlo cable in MicroDucts with minimal disruptions to the site

**Quickly and efficiently install MicroBlo cable into MicroDucts using specially designed blowing equipment and compressed air**

- 500m continuous blowing distances for 2.65mm diameter designs and 1000m continuous blowing distances for 6.0mm diameter designs. Longer blowing distances can be easily achieved by starting from mid-span and blowing toward the ends
- Blowing equipment is available for rental by NextGen/General Cable Certified Installers
- MicroBlo cable can be blown out and re-installed, if required, to meet dynamic network requirements

