SUMITOMO ELECTRIC LIGHTWAVE

FutureFLEX® Air-Blown Fiber for your LAN

The Fiber Optic Infrastructure Of The World's Foremost Enterprise Networks...

ESPN, Pentagon, Johns Hopkins University, CNN, National Institutes of Health (NIH), Cardinals Stadium, McCarran International Airport – Las Vegas, Mayo Clinic, Con Edison, Ford Motor Company... and more.

Unlike conventional fiber optic infrastructures, FutureFLEX Air-Blown Fiber enables you to scale your network immediately, provide bandwidth on demand, control network capacity in real-time, and quickly upgrade, expand, or reconfigure your network at the exact pace of emerging technology...while saving significant time and budget dollars. ***FutureFLEX...empowering your network infrastructure with a continuously renewable and sustainable optical fiber life cycle.***

Comparison Between Air-Blown Fiber and Conventional Cabling Infrastructures

	Air-Blown Fiber®	*Conventional Cabling*
Network Moves, Adds, & Changes	• "Fiber on Demand" for immediate scalability by quickly blowing any type of fiber bundle • Keeps exact pace of emerging technology • Blow out fiber and reuse anywhere in your network • At speeds of up to 150 feet per minute, install any fiber type anytime and anywhere for easy and quick upgrades in a matter of minutes or hours	• Requires installation of additional cable, often taking weeks or months to plan and install • Risk of dark fiber becoming obsolete • Once dark fiber is laid, it is not reusable... wasting investment dollars • Upgrades reported to take up to "12 times longer and 10 times the cost" of the air-blown fiber solution
Capacity Control & Allocation	• Maximizes conduit space and fiber pathways, providing almost limitless flexibility and expansion capacity • Eliminates the need for ever laying additional conduit • Tube cables provide simple demarcation of network components, destinations, and ownership	• Consumes conduit space, limiting network expansion, fiber count, and potential capacity • Leads to congested conduit, requiring installation of additional conduit • Difficult to define and allocate capacity ownership for current and future applications
Planning & Budgeting	• Eliminates forecasting future technology requirements • Pay-As-You-Go budgeting • Fast and easy installation reduces planning time, increases responsiveness with quick project turnarounds, and controls recurring costs for positive ROI	• Requires guessing future network growth and other unpredictable variables • Investment in dark fiber • Extensive project planning slows turnaround, especially for emergencies and network restoration. High installation costs increase recurring costs, inhibiting ROI
Work Environment & Operations	• Blowing fiber results in no work site disruption and reduces or eliminates network downtime • Air-blown fiber can be "blown" easily anywhere at any time, including restricted access areas	• Pulling of cables requires construction work and installation crews disrupting the work environment and network operations • Difficulties, disruption, and additional expense when installing in restricted access or hazardous areas
Network Integrity	• Continuous point-to-point, splice-free connectivity between and within buildings reduces attenuation for better transmission and signal integrity	• Necessitates splicing and connection at various points between and within buildings, adding further labor costs, increasing attenuation, and points of failure
Time & Labor Savings	• 3,000 feet of fiber can be blown in 30 minutes with only 2 installers	• It typically takes one-8 hour day with a minimum of 4 skilled installers to pull 3,000 feet of fiber optic cable

For more information, please call: **1-877-356-FLEX** (3539) or visit our website at: **www.futureflex.com**