

fis COMMUNICATOR

FIBER INSTRUMENT SALES, INC. | WWW.FIBERINSTRUMENTSALES.COM | 1-800-5000-FIS (347)

THE BICSI EDITION

Fiber Instrument Sales is looking forward to kicking off an exciting 2017 in **Booth #536** at this year's **BICSI Winter Conference & Exhibition** being held January 22-26 in beautiful Tampa, Florida.

When you visit us in **Booth #536**, you'll find our Sales and Product Specialists performing product demonstrations, providing troubleshooting tips, and being most willing to help you identify the fiber-optic solutions which best fit the requirements of your particular application:

- Splice-On Connector (SOC) Termination
- Optical Loss Testing
- Fault Locating
- OTDR Operation / Trace Analysis
- Connection Cleaning and Inspection
- And More!

So, whether it's at BICSI or one of the other great industry events we'll be attending, we invite you to draw on our more than 30 years of product knowledge, application experience and the highly-respected reputations of the professionals we believe are the best in the industry - the "Solutionists" from Fiber Instrument Sales.

We look forward to meeting you there!

See more details inside...

*The Fastest and Toughest
3 mm SOC Connector in
the Industry!*



ARMORdillo
2/3 mm Splice-On Connector

**PREMIERING
AT BICSI**



See Fiber Instrument Sales At
Booth #536
BICSI Winter Conference & Exhibition

We'll Also Be At IBTUF

Booth #31

Jan. 22nd-25th, 2017



Standard
U.S. Postage
PAID
Fiber Instrument
Sales, Inc.

MEET *THE SOLUTIONISTS* AT BICSI WINTER:

JANUARY 22-26, 2017



Patrick Noonan

Director of Sales



Anthony Russo

Strategic Accounts Manager
Outside Sales, Serving Northeastern
and Central U.S.



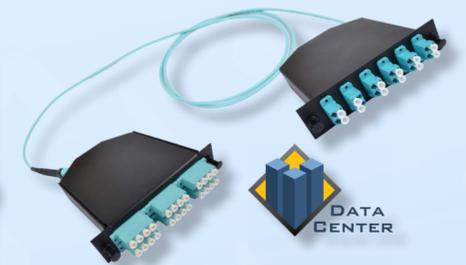
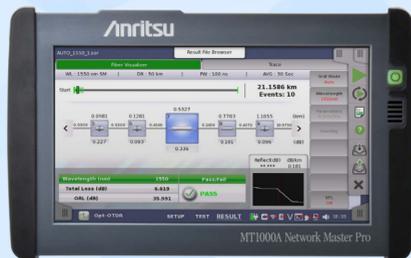
Jim Fasano

Director of Strategic Accounts
Serving Southeastern and
Central U.S.



BOOTH #536

Product Demos • Application Assistance • New Product Introductions



Order your
FIS 2017 Catalog today!
Call 1-800-500-0347

Visit us online on
your laptop, phone,
or tablet now!

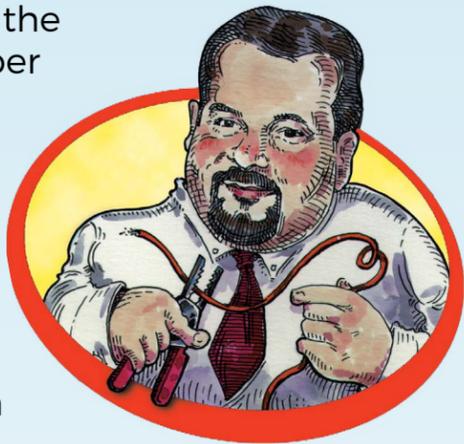


ASK BRUNO

John Bruno, V.P. of Technical Services



Q. I have been under the impression that fiber optic cable is secure and nearly impossible to tap into. Now I have been told that fiber is not as secure as I thought. What can you tell me?



A. Fiber optic cable provides many advantages including low attenuation, high bandwidth, EMI/RFI immunity, small diameter and low weight.

However, contrary to popular belief, fiber can be tapped and signal can be stolen. One method is to use a commercially available low-attenuation fiber tap to bend the fiber, which causes light to “leak” from the fiber.

A packet sniffer can then access the data contained within the escaping light. The tap uses less than 1% of the signal, which makes detection difficult.

One way to protect your critical data is to use a device and/or software designed to detect signal disturbances. Many of these systems will end data transmission until the cause of the disturbance is identified.

The best way to improve network security is to encrypt your data.

There are a variety of videos on this subject, one of which is Ciena’s YouTube video -<https://www.youtube.com/watch?v=6ImKA6PVEH0>

FIS UNIVERSITY

PREMIER FIBER OPTIC EDUCATION

UPCOMING TRAINING DATES

Fiber Optics I and II – Two Days

January 11-12 · Orlando, FL
January 24-25 · Philadelphia, PA
February 13-14 · Dallas, TX
February 15-16 · Houston, TX
February 21-22 · Albany, NY
March 6-7 · Los Angeles, CA
March 8-9 · Las Vegas, NV
March 21-22 · Cleveland, OH
April 3-4 · Jackson, MS

Fiber To The x – One Day

January 18 · Albuquerque, NM
February 15 · Sacramento, CA
March 15 · Houston, TX



To register, or for more information, contact Grace Edel at 1-800-500-FIS (347), ext. 2169, or email gedel@fiberinstrumentsales.com



DID YOU KNOW?

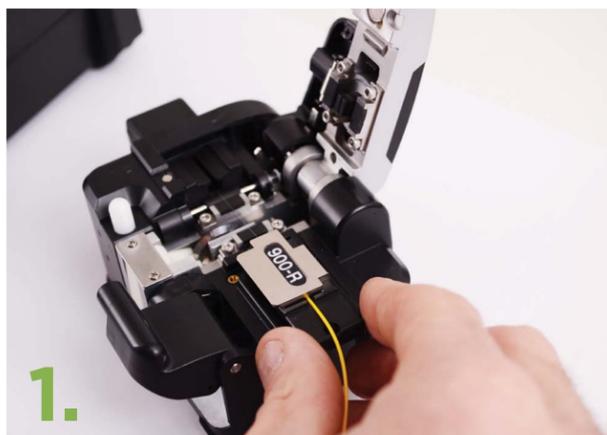
You Can Buy or Rent a Splicer with Two Types of Fiber Holders:

Fixed Fiber Clamps: The user handles the fiber throughout the cleaving process.

The user strips and cleans the fiber and places it into the fiber adapter on the cleaver; then cleaves it to the correct length shown on the adapter; and places the fiber into the Fiber Clamp on the left or right side of the splicer. The process is repeated for the other side.

Removable Fiber Holders: The fiber is managed by the use of a Removable Fiber Holder throughout the cleaving process.

First, the user strips and cleans the fiber and places it into the left or right Removable Fiber Holder; secondly, the holder with the fiber is placed in the cleaver and is automatically cleaved to the correct length; lastly, the holder with the fiber is placed in the matching (left or right) side of the splicer. The process is repeated for the other side. (See photos below.)



Need Help? For Any Questions or Comments, Call FIS 1-800-500-0347