

Instructor Corner**Fiber Optic Tap Couplers for FTTx Systems**

Maximizing the efficiency of optical line terminal (OLT) cards in passive optical networks (PON) in low-density and rural FTTx installations can be a major challenge. In most PON designs, it is considered ideal to connect 32 subscribers to a single OLT for maximum cost efficiency.



In rural installations, however, the density can range from a home every mile or two, to 20-30 homes scattered in random patterns. In these instances, connecting 32 users to a single OLT may not be economical using standard optical splitters. Fortunately, tap splitters provide an easy method of maximizing OLT usage without being penalized by the number of subscribers connected.

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...the availability of 200 micron coated fibers enables a 30% reduction in fiber occupancy space, prompting continued migration to higher density and/or smaller cables.

[Read More](#)**How do I Make My Building Fiber Ready?**

This recently released paper from the Fiber Broadband Association provides guidelines to facilitate fiber deployment in a residential building.

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Build your fiber optics expertise by completing our online training courses.

Certified Fiber to the Home Professional

Gain a broad base of familiarity with FTTx architecture, network design, deployment technology, and operational skills. This course covers everything from components to full systems, and includes a discussion of the business issues involved when planning FTTx systems. It is perfect for network designers and planners, supervisors, and project managers that will be involved in deploying and maintaining FTTH and FTTB networks. The course includes a useful practice exam to help you prepare to take Fiber Broadband Association's CFHP certification exam (available separately).

Sale price: \$375 (regular price: \$500)

CFHP course manual: \$150

[Read More](#)**Single-mode Technology**

A good understanding of optical theory as it applies to single-mode fibers and systems is critical to anyone working in fiber optics. This course covers topics that go beyond the fundamentals to provide a deeper understanding of optical theory and of single-mode applications.

Sale price: \$74.25 (regular price \$99)

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Sale ends October 31, 2017

Featured Specialty Course**Fiber Optics for Enterprise Networks**

We built our new course from the ground up, collaborating with other industry leaders to create content that has the latest technology and best practices for enterprise and data center network design, installation, testing and troubleshooting. This is a great class for installation contractors and end users involved in building and maintaining private or premises networks and data centers.

You'll learn:

- **Fiber fundamentals and standards**
- **Today's fiber and cable options**
- **Options for single and multi-fiber connectors**
- **Best practices for testing and troubleshooting**
- **Dealing with polarity and testing MPO links**
- **Factory vs. field terminations**

The course is eligible for 20 BICSI ITS CECs

Upcoming classes in Las Vegas and Lowell, MA

[Learn More](#)**Additional Information**

- [Schedule of Upcoming Classes](#)
- [Special Events Calendar](#)
- [Fiber Optic Product Catalog](#)
- [Contact us with your questions, feedback, etc.](#)