

# TS LAN 400 Training Course

A LANscape®  
Solutions Service

## curriculum |

Safety: chemical safety, laser safety and fiber handling precautions

The class completes multimode fiber optic system build

Theory and principle of fiber optics

Fiber types and fiber manufacturing techniques for multimode and single-mode fibers

Loose tube and tight-buffered cable manufacturing techniques

Fire code and National Electric Code® (NEC®) considerations

Cable installation and placement techniques for building, duct, aerial and direct-buried applications

(continued)



Installation of LANscape Solutions  
Closet Connector Housings | Photo LAN62

## Hands-On Installation Technology Course for Multimode Optical Local Area Networks

Corning Cable Systems' TS LAN 400 Hands-On Installation Technology Course for Multimode Optical Local Area Networks is a 4-day course that prepares the craftsperson for all aspects of fiber optic cable installation in a local area network (LAN) environment. This course includes cable placement, fusion and mechanical splicing, cable termination and acceptance testing and is taught with an 8:1 student/teacher ratio and 75 percent extensive hands-on practice. Students build, test and troubleshoot a complete multimode system in the class. Also covered is the use of equipment, hardware and procedures pertaining to building distribution and campus applications.

BICSI CEC:	28 hours RCDD and/or Installation
Class Size:	12 students (maximum)
Class Time:	8:30 a.m. – 5:00 p.m.

## class registration |

Classes are scheduled upon request for a minimum of six students. To register for a Corning Cable Systems class, call toll free 800-743-2671 and ask for one of our training coordinators or register online at [www.corning.com/cablesystems/training](http://www.corning.com/cablesystems/training). Audio or video recording of any Corning Cable Systems training course is strictly prohibited.

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## curriculum | (continued)

Installing wire mesh pulling and split grips

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Termination methods for field-installable connectors, pigtails and preconnectorized assemblies

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Cable preparation techniques for splicing and connectorization

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Installing the Corning Cable Systems' multimode Unicam® Pretium™-Performance LC, SC and ST® Compatible Connectors, in addition to anaerobic connectors

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Splicing: applications, fusion, mechanical, and termination methods

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Fusion splicing with the Corning Cable Systems OptiSplice® LID and M90i Splicers: features and troubleshooting tips

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Hardware types and applications

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Optical attenuation test set procedures: one, two and three jumper references (insertion loss testing)

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Troubleshooting equipment and procedures

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Emergency restoration and planning

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Use and operation of Corning Cable Systems Optical Time Domain Reflectometer (OTDR)

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Network testing and documentation: procedures and requirements

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