

Fiber Optics

Course Description:

An introduction to fiber optics including theory, history, safety, uses and comparisons in today's communication systems and the technical complexities of fiber optic cable through discussion and hands on training of opening and building various splices, panels and connectors by fusion splicing and mechanical connectors. After completion of the students' final splice and test, an introduction to Fiber Optic testing covering theory, safety and the different types of equipment including- OTDR, VFL, Power Meters- followed by hands on testing, cleaning and inspecting of fiber cables and connectors plus testing the last splice they completed and locating and fixing defective splices with a final test.