



**IBEW 213 – Training for the Future**

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## **BROADBAND NETWORK CONSTRUCTION LEVEL 1 (3 DAYS)**

### **COST OF COURSE:**

- 1. IBEW NETCOM Assessment Members \$0.00**
- 2. IBEW Members \$700.00 + GST**
- 3. Public \$900.00 + GST**

NETCOM offers the Broadband Network Construction Course (3 days). Course level is introductory to advanced. Technicians of all skill levels will benefit greatly by enrolling in this course.



In this two day course you will be introduced to the world of Broadband Hybrid-Fibre Coax (HFC) Network. This type of network is used all over the world by cable companies to provide service to customers. Students will learn the safety procedures, the structure of the CATV HFC network and how it works to bring signals into businesses and homes to provide services such as internet, television, phone and on demand streaming. Students will get hands on experience with components and cabling of the CATV Broadband HFC Network outside plant infrastructure. Upon successful completion of this course students can expect to be proficient with all mainline coax, distribution taps, passive line splitters and active amplifiers. Course will feature:



- HFC Construction installation safety
- HFC network theory and design
- Familiarize with mainline HFC tools as required
- Identify/core/connectorize mainline coax cable (412, 500, 540QR, 625, 715QR, 750, 860QR and 875)
- Construct plant components such as splitters and amplifiers
- Installation procedures for mainline cable (expansion & contraction)
- Power up a live plant and basic troubleshooting
- Identify components inside amplifiers and splitters
- Common installation mistakes and how to avoid them

This course is designed for individuals who wish to increase their knowledge and gain hands-on skills in Broadband Hybrid-Fibre Coax (HFC) Construction. A wall mount framed certificate from NETCOM will be awarded upon successful completion.

Course tuition covers the following:

- Textbook
- All handouts
- All lab supplies
- Wall mount certificate of completion from NETCOM
- All necessary hand tools and test equipment will be supplied by NETCOM