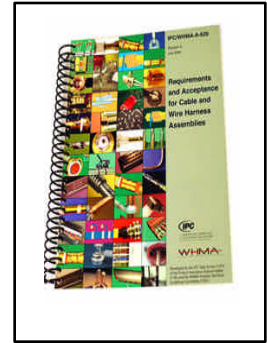




CABLE AND WIRE HARNESS IPC-A-620-C FOR SPECIALIST

This 3-day, lectured course is a comprehensive, operator-level certification that teaches inspection and assembly criteria for all three classes of cable and wire harness assembly. . This course is based on the IPC/WHMA-A-620, "Requirements and Acceptance for Cable and Wire Harness Assemblies", the most widely used inspection specification for the cable and wire harness assembly industry.

OPTIONAL HANDS-ON LABS This is an optional, 1-day, hands-on lab.



COURSE OUTLINE

Day 1

Module 1:

Introduction/Policy and Procedures
Requirements and Acceptance for Cable and Wire
Harness Assemblies and Applicable Documents
Cable/Wire Preparation
Measuring Cable Assemblies
Testing Cable Assemblies
Review and testing

Module 2:

Crimp Terminations
Insulation Displacement Connections
Review and testing

Module 3:

Soldered Terminations
Review and testing

Day 2

Module 4:

Connectorization
Molding/Potting
Review and testing

Module 5:

Splices
Review and testing

Module 6:

Marking and Labeling
Wire Bundle Securing
Shielding
Cable/Wire Harness Protective Coverings
Review and testing

Day 3

Module 7:

Coaxial and Twin axial Assemblies
Review and testing

Module 8:

Solderless Wire Wraps
Review and testing

Day 4 - Optional Hands-On Labs

Module 1: Lab Overview

Review harness assembly print, materials and tooling

Module 2: Wire Prep and Solder Termination – no soldering

Cut and semi-stripping five wires
Install wires onto the harness board

Module 3: Lug Crimp Terminations

Cut, strip and crimp two styles of lug-type terminals
Install wires onto the harness board

Module 4: Pin Crimp Terminations

Cut, strip and crimp two styles of pin terminals
Install wires onto the harness board

Module 5: Coaxial Terminations

Cut, strip RG59 wire; assemble two coaxial connections
Install wires onto the harness board

Module 6: IDC Terminations

Cut, strip CAT5 wire; crimp two IDC connectors
Install wires onto the harness board

Module 7: Mass Terminations

Cut, ribbon cable; crimp two mass termination connectors

Module 8: Harness Securing

Secure the cable using tie-wraps and lacing cord

An IPC WHMA-A-620 Certificate will be given to the Student at the end of Training if he or she succeeds.

The IPC Certificate is valid for 2 Years and during that time you can add any modules.

TEKTRO Certificate of Training (Lab only)

TEKTRO Centre Accrédité IPC

www.soldering-course.com

502 Rue Valois, Unité 102
Vaudreuil-Dorion, Québec
J7V-1T4, Canada
Tél.; (514) 445-2910
donald@tektro.ca

Donald Héту (MIT)

André Baune (MIT)

NEQ : 2264218357

Certificat d'agrément : 0054146



IPC A-610,
IPC HWMA 620
ANSI-J-STD 001
IPC 7711/7721