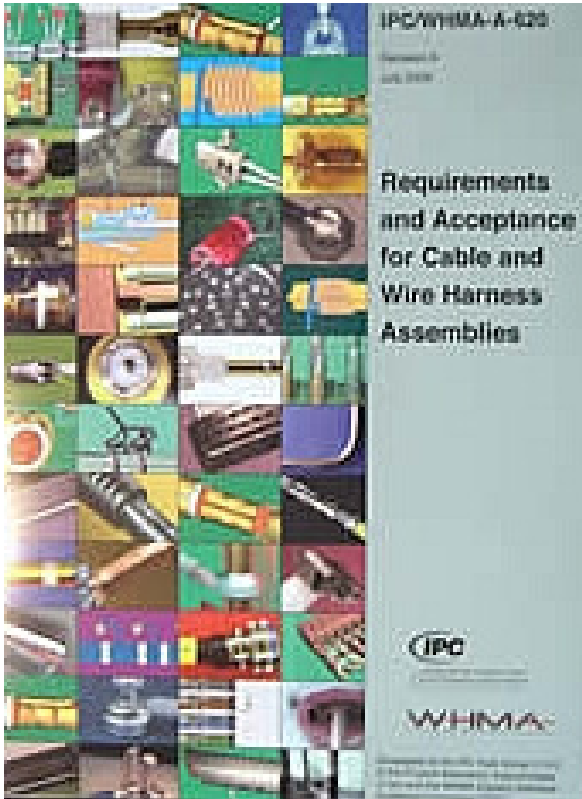


IPC/WHMA-A-620 Training and Certification Program Certified IPC Specialist (CIS) Course Syllabus

IPC –WHMA-A-620 is the only industry-consensus standard for Requirements and Acceptance of Cable and Wire Harness Assemblies. IPC and the Wire Harness Manufacturers Association (WHMA) teamed to develop this significant update, adding lead free acceptance criteria, and new material devoted to electrical and mechanical testing, and enhanced criteria for molding and splicing.



- **MODULE 1:** IPC Professional Policies and Procedures Forward (Section 1)
Cable/Wire Preparation (Section 3)
Measuring Cable Assemblies and Wires (Section 11)
Testing Cable Assemblies (Section 19)
- **MODULE 2:** Crimp Terminations (Section 5)
Insulation Displacement Connections (IDC) (Section 6)
- **MODULE 3:** Soldered Terminations (Section 4)
- **MODULE 4:** Connectorization (Section 9)
Molding/Potting (Section 10)
- **MODULE 5:** Splices (Section 8)
- **MODULE 6:** Marking and Labeling (Section 12)
Wire Bundle Securing (Section 14)
Shielding (Section 15)
Cable/Wire Harness Protective Coverings (Section 16)
- **MODULE 7:** Coaxial and Twinaxial Cable Assemblies (Section 13)
- **MODULE 8:** Solderless Wire Wrap (Section 18)

Course Objective and Benefits: By completing this program, the successful graduate will improve his or her individual discrimination skills, offering a higher level of understanding of accept/reject criteria for cables and wire harnesses critical to the quality objectives of your organization.

The successful graduate will have passed a rigorous open and closed book course assessment exam, pertinent to sections of the IPC/WHMA-A-620 relevant to their course of study. Whether completing the entire course, or individual modules, the graduate will receive a comprehensive education in the required course material.

Who should take this course?

Cable and wire technicians, inspectors, rework operators, engineers and managers who wish to extend their knowledge, comprehension and require a proper interpretation of the IPC/WHMA-A-620.