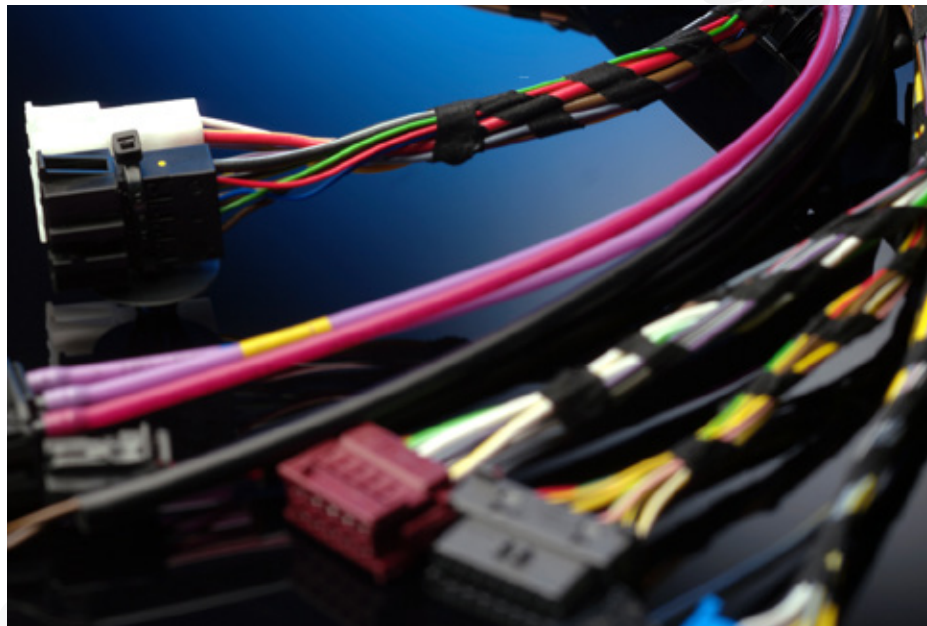


Understanding Wiring Harness Quality Guidelines (CQI-35)



Course Duration: 1 Day

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Seminar Content

This one-day seminar is intended to provide participants with an overview of CQI-35 Wiring Harness Quality Guidelines, which, along with internationally recognized quality management system standards and customer-specific requirements, are key to reducing and eliminating the impact of escapes to the organization and customer.

The Wiring Harness Quality Guidelines focuses on automotive wiring to ensure safety, reliability and performance by reducing risks, enhancing efficiency and optimizing wiring for power and data transmission. Implementing these guidelines will help boost vehicle safety and performance while lowering costs by minimizing non-conforming parts, cutting rework expenses, and driving innovation in wiring design and manufacturing.

Learning Objectives

- ✦ Identify the scope and requirements of the Wiring Harness Quality Guidelines
- ✦ Be able to prepare and conduct a Wiring Harness Quality assessment
- ✦ Understand the use of CQI-35 as a management tool to ensure and verify that processes and procedures are being followed as intended

Course Outline

- ✦ Wiring Harness Requirements Assessment Goals
- ✦ Wiring Harness Requirements Assessment Process
- ✦ Wiring Harness Manufacturing Requirements
- ✦ Section 1: General Manufacturing Requirements
- ✦ Section 2: Material Handling Requirements

- ✦ Section 3: Terminal and Connector Manufacturer Requirements
- ✦ Section 4: Crimping/Cutting Requirements
- ✦ Section 5: Twisting Requirements
- ✦ Section 6: Ultrasonic Welding Requirements
- ✦ Section 7: Terminal Soldering Requirements
- ✦ Section 8: Heat-Shrink Tube Application Requirements
- ✦ Section 9: Fastener Requirements
- ✦ Section 10: Assembly Requirements
- ✦ Section 11: Inspection Requirements
- ✦ Section 12: Rework and Replace Requirements
- ✦ Section 13: High Voltage Requirements
- ✦ Section 14: Coaxial Cable Requirements
- ✦ Section 15: Barcode/Label and Traceability Requirements
- ✦ Section 16: Wiring Harness Safe Launch Plan
- ✦ Section 17: Hanking Requirements
- ✦ Section 18: Product Support Requirements

Who Should Attend

All team members involved in the manufacturing or assembly of automotive wiring harnesses, as well as those that assess the processes to ensure compliance with the Wiring Harness Quality Guidelines (CQI-35).

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Seminar Materials

Each participant will receive a training manual. A copy of CQI-35 may be provided upon request, with additional cost billed to the participant.

Note: Omnex does not provide copies of standard(s) during training courses, but clients are encouraged to have their own copy.

Pre-Requisite

Experience in the manufacturing or assembly of automotive wiring harnesses or experience in similar special process assessments.

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