

Technical Education Services

Autodesk Inventor Cable and Harness Design



Course Length: 2 days

The Autodesk® Inventor® Cable and Harness Design training guide instructs students in the use of the Autodesk Inventor Cable and Harness environment. Through a hands-on, practice-intensive curriculum, students acquire the knowledge needed to design physical cables and harnesses for electrical systems in almost any kind of product or machine. With specific tools to incorporate cable and harness into digital prototypes, the Autodesk Inventor Cable and Harness Design software enables you to calculate accurate path lengths, avoid small-radius bends, and help ensure that electrical components fit into the mechanical assembly before manufacturing.

After completing this training guide, you will be able to:

- Describe the functionality of Cable and Harness and the basic workflow to add and document cable and harness designs.
- Wire a harness assembly by adding or importing wires and cables, adding ribbon cables, adding route segments, and routing wires and cables through the segments.
- Refine a cable and harness design by editing the wires, cables, routes, or cable ribbons; by adding and editing splices; or by adding and editing virtual parts.
- Communicate your cable and harness to others by creating and annotating 2D drawings and exporting the design data.
- Create and manage the library file and configuration files.
- Create, author, and publish electrical parts and connectors to a custom Content Center library.

For the current course
schedule and to register
for this course:

Web: redstack.com.au

Phone: 1300 667 263

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Prerequisites:

This training guide is designed for experienced Autodesk Inventor users. It is recommended that you have a working knowledge of:

- Students should have completed the Autodesk Inventor 2013 Introduction course or have an equivalent understanding of the Autodesk Inventor 2013 user interface and working environments.
- Autodesk Inventor Part and Assembly Modeling and Drawing View Creation and Annotating, is recommended.
- Microsoft® Windows® XP, or Microsoft® Windows® Vista, or Microsoft® Windows® 7

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- Lesson: Importing Wire and Cable Data
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Chapter 3: Refine a Cable and Harness Design

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- Lesson: Working with Splices
- Lesson: Working with Virtual Parts

Chapter 4: Communicate the Design

- Lesson: Creating Drawing Views of Cable and Harness Designs
- Lesson: Annotating Nailboards
- Lesson: Exporting and Reporting Design Data

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Chapter 5: Configure Library and Report Configuration Files

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Chapter 6: Create, Author, and Publish Electrical Content

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- Lesson: Managing Library Content

Appendix A: Additional Resources

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