

Bespoke 'Manual Wire Crimping Skills'

Bespoke Training Overview

Our bespoke 'on site' training programs, can be arranged to suit your customer, business & operator requirements. We usually start the process by discussing your products, processes, customer & business expectations, & then draft a suitable training program. Courses are delivered 'on site' by a certified IPC Trainer (CIT). All candidates will be awarded a STEM Training certificate, upon successful completion.

Training Objective:

To provide each candidate with the theoretical knowledge & practical skills in line with;
IPC/WHMA-620 (Requirements & Acceptance for cable & wire harness assemblies)

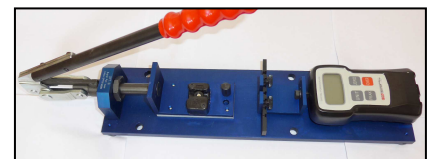
Program pre-requisites:

These can be explained & discussed, when tailoring a course to suit your needs..

Program Content:

Optional Modules (you can choose some or all of the following)

- **Wire Preparation**
Wire snipping & stripping (mechanical & thermal methods)
Strand forming
Inspection of prepared wire
- **Tool, Terminal & Wire Selection**
Selecting the correct tool & wire for the contact
Understanding open/closed barrel, machine & ferrule Contacts
Setting up of the crimp tool
- **Crimping Procedure**
Loading the terminal
Retaining the terminal
Placement of the wire
Operation of the tool
Understanding defect risks
Documenting the process
- **Inspection**
Inspection of the crimped wire, in line with IPC/WHMA-620
- **Find the defect**
Inspection of defective crimps
Describing the defect
Finding the correct fail mode, within the IPC/WHMA-620
- **Tensile Pull Testing**
Preparing a test wire/crimp
Insertion of the wire into the test jig
Pull test procedure
Pass/Fail, making the call
Failure modes



Crimp Pull Testing

The following will be included in each training program;

- Objective of crimping
- Quality requirements
- Essential tools & equipment
- Equipment care
- Final wire & crimp inspection

Program Duration

This will depend on the training program content, & can span 1 day or more.

What do you need to provide?

All 'manual wire crimping skills' programs, predominantly comprise of practical sessions, requiring bench space for each trainee, & a meeting room (or quiet area) for presenting some theory to the group.

What do STEM Training provide?

We supply all training tools & materials, including; wire, crimps, hand tools, protective mats, microscopes/eyeglasses etc. However, you are welcome to include your own products & equipment.

Please contact us to discuss your requirements, & we can then quote you for course content & candidate numbers.



Certificate Example