



# CABLING

## CABLE ASSEMBLY FOR EVERY APPLICATION

### WHAT IS CABLING?

“Cabling” encompasses everything about cable assembly; wire harnesses, adapters, point-to-point extension cables, and much more. We can attach any plug or connector to wire to move electricity and signals where they need to go.

At **SIGMADESIGN**, our IPC Certified soldering and cable technicians have an arsenal of tools at their disposal to build whatever custom cables you need. Our typical volumes range from one to several thousand, depending on the needs and application.

### CAPABILITIES

We can customize any cable:

- IPC certified technicians
- Typical volumes from 1 to 1000
- Point-to-point and multi-connector harnesses
- Integration of harnesses into products and automation equipment
- Capable of building to standards such as:
  - IPC-A-620C
  - NASA-STD-8739.4
  - Customer Specific Standards
- Electrical, environmental, vibration and flex testing of crimps and harnesses
- Large library of crimp tooling for a wide variety of pins, including but not limited to Molex, Anderson Power, Coax, Amphenol and Glenair
- Experience with non-standard cabling, including Cicoil flat cables, high temperature conductors, thermocouple leads and high flex cables

### SPECIALTY EQUIPMENT

- Specialty assembly tools to efficiently produce high quality cables:
  - Schleuniger automatic cut and strip machine
  - RoHS and leaded soldering stations
  - Coax Tooling
  - Brady wire label marking system
- Mechanical and electrical tools for testing the quality, continuity, and functionality of cables:
  - Multimeters
  - Cirris high voltage cable tester
  - Insulation resistance and dielectric withstand testing
  - Crimp pull-strength
  - S parameter testing

### ABOUT SIGMADESIGN

We're experts in product design, engineering and manufacturing. In-house services include Industrial Design, Systems, Mechanical, Electrical, Firmware, and Software Engineering, Prototyping, Machining, Testing, and Manufacturing.

### LET'S TALK CABLING!

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