

QUALITY

COMMITMENT: TOTAL QUALITY

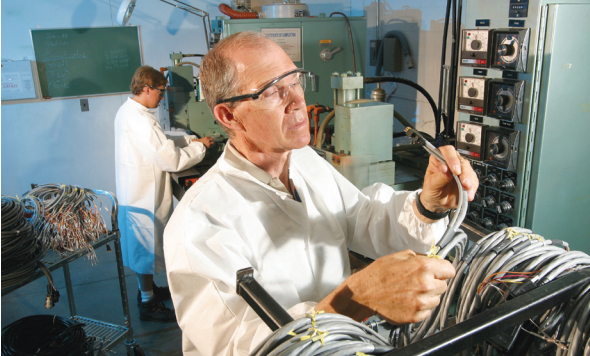
The principles of Total Quality and ISO standards result in continually updated manufacturing practices and efficiencies. Our manufacturing team is generally divided into cells, organized by product type to provide flexibility and specialized attention in production. Every assembly is quality checked. These principles assure our customers that a quality product is delivered every time.

Total Quality Activities

- Meet customer requirements
- Reduce development cycle times
- Timely demand flow manufacturing
- Improvement Teams
- Reduce product and service cost
- Continual training systems

CERTIFICATIONS

- Veteran Owned
- ITAR Registered
- Certified Military Contractor D2345
- ISO 9001:2008 Certified
- IPC/WHMA-A-620 Certified
- UL/CUL Approved Manufacturer



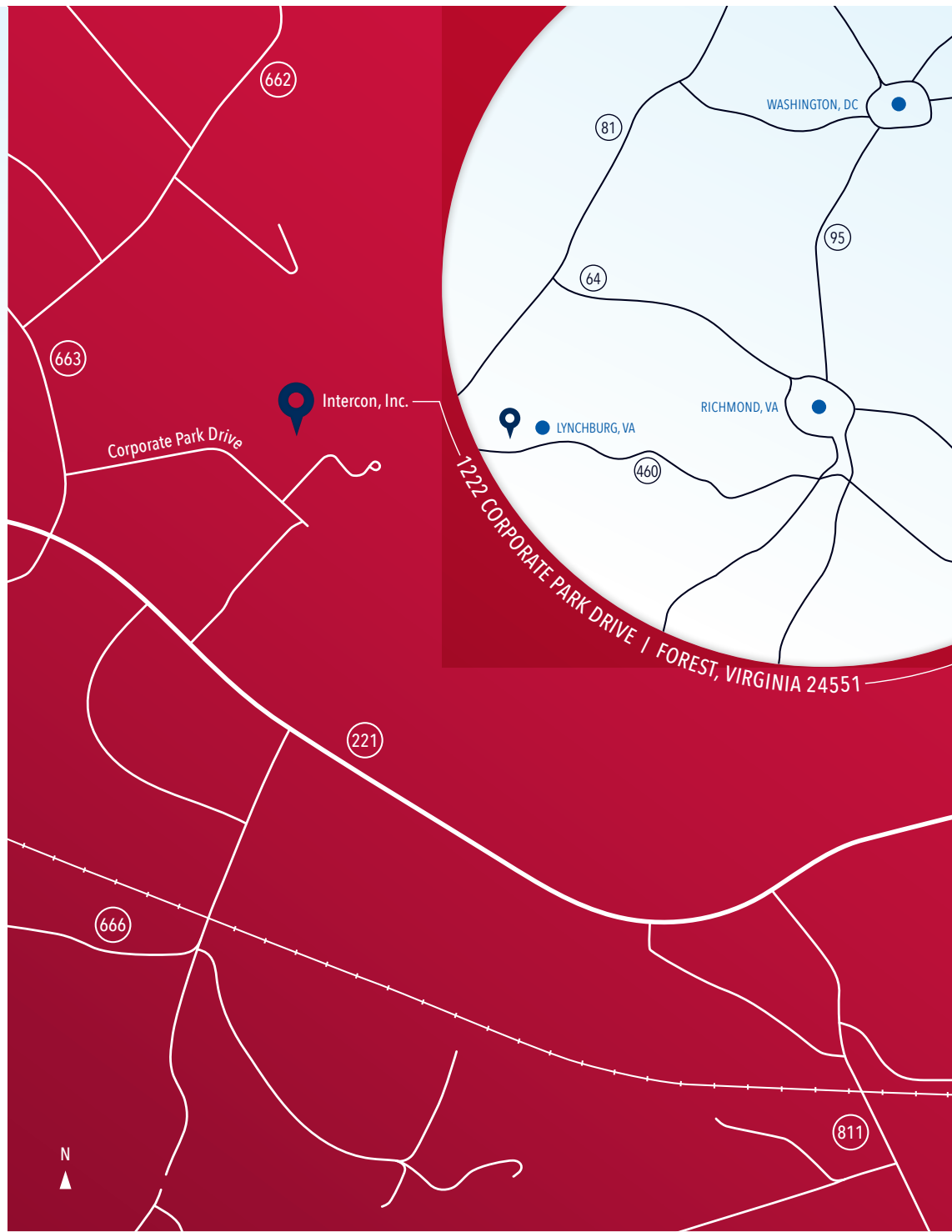
IPC/WHMA-A-620 CERTIFICATION

- The Wire Harness Manufacturers Association and IPC teamed to develop the first industry consensus standard for Requirements and Acceptance of Cable and Wire Harness Assemblies to provide long needed industry requirements. Also see Cabability Series Article 4 for more information.
- Intercon provides continual employee education assured by one, on-staff Certified IPC Trainer.
- Modules include criteria for wire prep, soldering to terminals, crimping of stamped and formed contacts and machined contacts, insulation displacement connectors, ultrasonic welding, splicing, connectors, molding, marking, coax/twinax cables, wrapping/lacing, shielding, assembly and wire-wrap terminations and testing.
- Technicians are certified to up to 8 modules dependent upon job requirements.
- Classroom education ranges from 4 to 32 hours.



INTERCON'S QUALITY POLICY

Connecting you to Quality through a commitment to Continual Improvement, Ongoing Education, Teamwork, and Outstanding Service



TESTING CAPABILITIES

Intercon possesses a wide range of test equipment. Our experienced Quality Assurance technicians perform testing to your drawing requirements using calibrated equipment traceable to N.I.S.T. Assemblies are tested for continuity, opens, shorts, connection resistance, and insulation resistance. We also perform Hi-pot, continuity of protective bonding circuit tests, and component testing such as resistors, diodes, and capacitors. Our Cable Analyzer tests twisted pair cabling for NEXT and Return Loss and our Network Analyzer allows RF testing such as VSWR and Insertion Loss. Fiber optic cable assemblies are tested for attenuation to your specification. Most testing is performed using programmable test equipment with memory to assure consistency and accuracy. Intercon's manufacturing tooling undergoes scheduled inspections that insure terminations meet or exceed the manufacturer's specifications.

INTERCON INC.

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Manufacturer of Custom Cable
Assemblies and Wire Harnesses

C A P A B I L I T I E S

A Veteran-owned Business

We're proud to have served the Nation in wartime, and proud that we can continue to serve our country through being the domestic leader in quality custom cables for more than 20 years.

Our clients say it's our quality, service and positive attitude that keeps them coming back.



Intercon Manufacturing floor



ENGINEERING SERVICES

IN-HOUSE ENGINEERING TEAM

Our engineering team's expertise provides customers with dependable economic solutions from very basic to complex challenges. If you have a sampling of different assemblies you require, send us the documentation and we'll prepare a quote. Or, if you have a particular project we could service, we'd be excited to review the specifications.

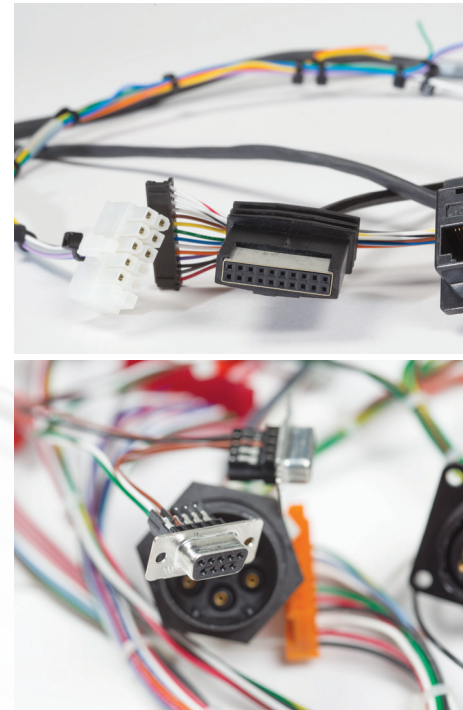
- Design assistance
- Prototype development
- Solutions to reduce cost and improve delivery
- Assembly, quality and service life improvement
- Consult on materials selection, operations
- Partnership – we extend your expertise with ours to get the job done right
- Insight into unusual environments/applications
- Generate preliminary drawings/documents



PRODUCT MARKET APPLICATIONS

Custom build capabilities allow us to meet the requirements of any industry application:

- Automation
- Aerospace
- Agriculture
- Automotive
- Avionics
- CNCs/Machine Tools
- Communications
- Computer
- Conveyor
- Defense/Military
- Electronics
- Energy
- Fiber Optic
- Infrastructure/Utilities
- Instrumentation
- Marine
- Medical
- Mining
- Packaging
- Transportation/Public Transit
- Vending



DISCRETE WIRE HARNESSING

- Any off-the-shelf connectors, wide range of manual and automatic tooling in-house
- Large inventory of wire and cable 30 – 4/0 gauge
- Soldering, Crimp and Poke, IDC, Flat Cable Assembly, Shrink Tubing, Shield Termination, various Labeling options, Wire Ties, RTV Potting, Sleeve options, Control Panel Assembly
- Harness layout service/fixtures available
- 100% Continuity test standard, manual or Cirrus automated test method



RF CABLE ASSEMBLY

A Coaxial RF connector is an electrical connector designed to work at radio frequencies in the multi-megahertz range. RF connectors are typically used with coaxial cables and are designed to maintain the shielding that the coaxial design offers. Better models also minimize the change in transmission line impedance at the connection.



JACKETED CABLE ASSEMBLY

- All discrete wire operations
- High voltage options
- Custom cable supply
- Shield Termination
- Over-molded ends
- Hi-pot testing with Hubbell HD 100 series
- Cirrus model 1100R Plus
- Cirrus 1100H Plus



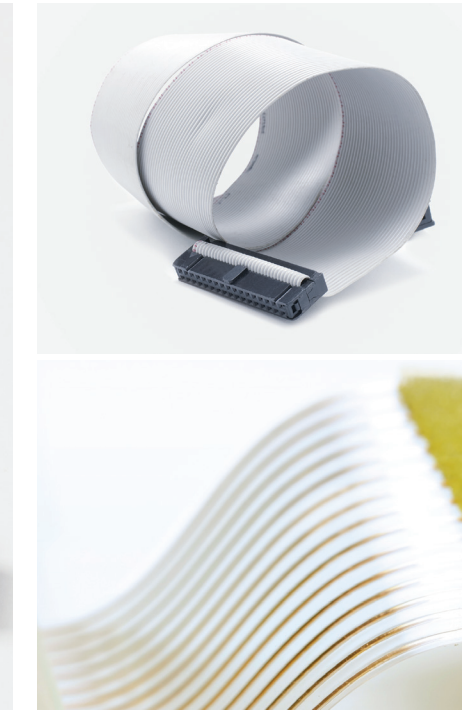
FIBER OPTIC CABLE ASSEMBLY

An optical fiber cable is a cable containing one or more optical fibers used to carry light. The optical fiber elements are typically individually coated with plastic layers and contained in a protective tube suitable for the environment where the cable will be deployed. This type of cable is generally used for long distance telecommunication and high speed data transfer.



CONNECTOR OVER-MOLDING

- MS circular, 9, 15, 25, pin DSub (optional jackscrews), MIL-C-28748
- Custom over-molds can be quoted
- PVC, PUR, Santoprene in stock, others available
- 30 Ton, 6.75 oz Shot capacity
- Name inserts available



FLAT CABLE ASSEMBLY

Flexible flat cable, or FFC, refers to any variety of electrical cable that is both flat and flexible. A flexible flat cable is a type of flexible electronics. However, the term FFC usually refers to the extremely thin flat cable often found in high density electronic applications like laptops and cell phones. Where used to connect to flat panel displays, FFCs may also be referred to as flat panel cables (FPC). Sometimes the term FPC (flexible printed circuit) is even – somewhat inaccurately – used for any type of FFC. FFC is a miniaturized form of ribbon cable, which is also flat and flexible. The cable usually consists of a flat and flexible plastic firm base, with multiple metallic conductors bonded to one surface. Often, each end the cable is reinforced with a stiffener to make insertion easier or to provide strain relief. The stiffener makes the cable slightly thicker.