

Best Quality
and Service
Mean
Best Value
For You

Your "Best In Class" Cable Assembly Source

In today's market, partnering with dependable and knowledgeable suppliers can mean the difference between success and failure. And RF and microwave cable assemblies have become a critical item in high tech products, such as benchtop and automatic test equipment, wired and wireless voice and data communications, broadcasting, and specialized instrumentation for space and aircraft. That's what makes Trompeter a supplier of choice among customers who strive for excellence in competitive markets. More than 30 years of dedication to engineering and manufacturing high quality cable assemblies has resulted in a depth of experience and solid manufacturing base that allow us to deliver a highly dependable product, with an outstanding level of service, for a competitive price. Which in turn enables your company to stay focussed on what you do best.

The Trompeter Cable Assembly Operation is more than an assembly house, we are a vertically integrated manufacturer. Because we are involved in the design and manufacture of coax cable and connectors, we bring a higher degree of expertise to the task of manufacturing cable assemblies.

What You Need, When You Need It

We understand that you've got a business to run, so we provide you with the fastest delivery in the industry: "Ship Same Day" service is available on 150+ standard in stock products, and 48 hours or less shipment is available on custom assemblies. Custom assemblies with COTS components often Ship Same Day when ordered before noon.

Trompeter is uniquely equipped to support both small and high volume orders:

- Factory operates 7 days/week, facilitating quick turn on end of week orders.
- Cable Assembly facility has more than 40,000 sq. ft. of capacity on 7.5 acres.
- Off site capabilities provide additional high volume/cost effective options.

A Factory Certified For Quality

Since 1994 our World Class Quality Management System (QMS) has been certified to ISO9001, and we are on target to be 9001:2000 certified at our next Certificate Extension Audit. Trompeter is highly process driven throughout the organization and utilizes SPC to monitor, control and continuously improve each of our processes. Closed loop process improvement practices similar to Six Sigma, Kaizen and Lean Enterprise allow us to reduce variation and minimize costs. As a consequence, our products, processes and QMS are site qualified by many major well-respected companies.

The processes and equipment that Trompeter utilize are the finest available. This snapshot tour of our facility highlights the depth of capability that we offer, and illustrates how we can offer the highest quality and performance, at a reduced cost and cycle time. Which adds up to cost effect responsiveness you can count on.

Customer Service

Quality products and short lead time start with Customer Service professionals. Whether you require a standard product or a custom design, representatives are trained to ask the right questions so you get the right product for your needs.

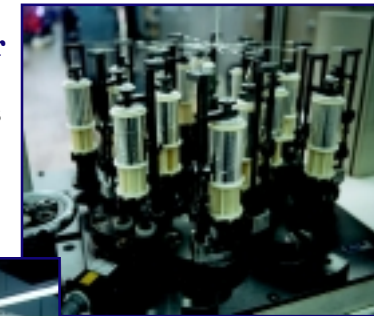


CAD Design

An extensive product information database, e-sourcing and detailed documentation allow quick response on quotes, short lead times and assure accurate initial production runs. We offer the service and flexibility of a staff of engineers and CAD designers to document custom cable assembly configurations.

Cable Braider

The expertise the company has developed as a designer and manufacturer of cable is highly valuable in the practice of terminating cable assemblies and harnesses.



Plating Lab

In-house gold, nickel, silver, and TechnaPlate™ (copper, tin, zinc alloy) capability facilitate short lead times and rapid product development.



High Speed CNC Equipment

Product and fixturing lead times have been effectively reduced through the application of design techniques, manufacturing skills and equipment from the connector side of our business.



Precision Automated Cable Cutting and Stripping

Termination quality begins with precision stripping. The result is higher quality, lower cost terminations and reduced cycle time.



CNC Automated Semi-Rigid Cable Bending

Programmable for reduced set-up time, and automated for reduced variation and increased cycling.

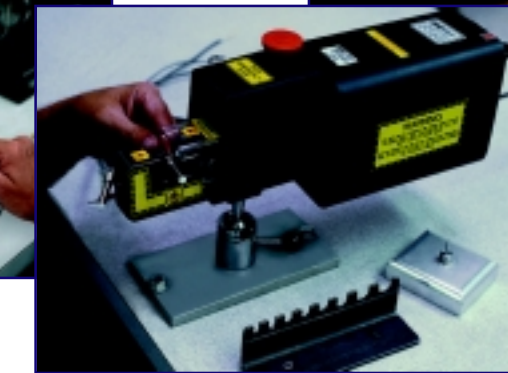
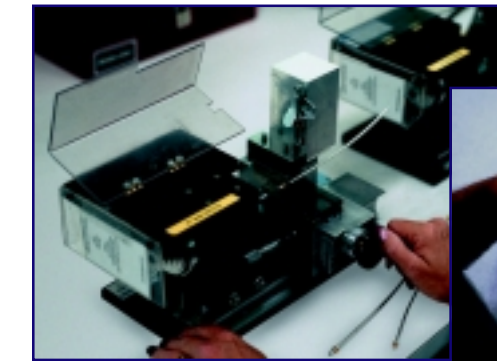
Permanent Marking

Low cost, high legibility, permanent shrink markers, available in a selection of colors with bar code and logo capability. ASCII or COMMS files can be imported in txt format.



High Speed Facing Lathe

Precision face and point capability for semi-rigid and conformable cables.



Pneumatic Crimping

Reduced variation eliminates the human element in hand crimping. Destructive and non-destructive testing, along with SPC assures the highest possible cable retention.



Network Analyzer

100% VSWR and insertion loss testing on all high frequency assemblies. Additional testing is available for phase matching, delay, velocity of propagation and impedance matching.



High Resistance Soldering

For challenging soldering assignments, this unique process allows precise control of temperature, eliminating damage to insulators and cable jackets.

Trompeter cable assemblies are fabricated in the company's Mesa, Arizona facility.



High Quality Assembly Solutions



DS3 Patch Cords
Cable Options: 734 and 735 cable. Single and Dual, with or without tracer, 3, 6, 9, and 12 pack.
Connector Options: WECO, Mini-WECO, 45°, 90° and 180° BNC, SMZ and more.

*DS1 Bantam assemblies available as well.



Twinax/Triax Assemblies
Twinax and triax patching and cable assemblies featuring M49142, M39029 and a wide variety of commercial connectors. Pin/socket insert assemblies from combo D-Sub and DIN to size 8 circular.



1553 Data Bus Harness
Multi-pin options include: D38999, MS27467, D-Sub, SCSI and many more. Custom circuitry, grounding, shielding, overbraiding and marking available.



Semi-Rigid Cable Assemblies
.086 and .141 cables with many connector options. Manual and automated bending of even the most complex 3D configurations.



Ultra-Low Loss Triax
High precision termination processes yield losses as low as 2 FemptoAmps. (2x10⁻¹⁵).



Micro Miniature Coax
Full range of coax connectors from MMCX to N In Stock for quick turn custom assemblies.



Custom Splitters and Power Dividers
3 and 4-way splitting on most coax, twinax and triax cables. Complete selection of connectors available.



Coax Harness
Shielded/coaxial cables for D-Sub or almost any multi-contact connect style, with standard or combination-coax arrangements.

RF and High Performance Copper Cable Assembly

Product Request Form

We look forward to the opportunity to discuss your special cable assembly requirement. In order to most efficiently provide you with accurate product solutions and pricing, we suggest that you:

- (1) photocopy this page,
- (2) answer each of the following questions, and
- (3) fax this form to our Sales Department.

Contact numbers are provided on the bottom of this page.

Company: _____ Contact: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Email: _____

Configuration Single Cable (patch cord) Multi-cable Harness Splitter "Y" Cable

Mechanical
Length in Inches (inside of connector to inside of connector or centerline of right angle): _____

Connector 1 (part # and manufacturer): _____ If unknown;
Type (SMA, BNC, etc.): _____ Gender: _____ Configuration (straight, right angle, etc.): _____

Connector 2 (part # and manufacturer): _____ If unknown;
Type (SMA, BNC, etc.): _____ Gender: _____ Configuration (straight, right angle, etc.): _____

Cable (part # and manufacturer): _____ If unknown;
Cable Type: Coax _____ Twin-ax _____ Triax _____ Other _____ Impedance: _____
Approximate Cable Outside Diameter: _____ Inches

Electrical Special Requirements _____
Marking: _____ **Strain Relief** (one end, both ends): _____

Special Testing (100% Continuity and Hi Pot included): _____

Standard Circuitry is pin to pin, if other please choose the following or provide sketch:

Other Qty _____ Required Delivery _____ Target Price _____

Custom RF Cable Assemblies

capabilities brochure



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