



# ***CABLE ASSOCIATES***

**INCORPORATED**

**We welcome the opportunity to  
be your trusted supplier.**



## **INDUSTRIES SERVED**

Military/Aerospace • Communications • Telecom  
Industrial • Utilities • Energy • Medical  
Automotive • Agriculture

Toll Free [1.888.816.6841](tel:18888166841)  
[sales@cableassociates.com](mailto:sales@cableassociates.com)  
1 Export Lane, Archbald, PA 18403

**[cableassociates.com](http://cableassociates.com)**

MORE THAN  
**30**  
**YEARS**  
OF EXCELLENCE



## QUALITY

Commitment to quality is at the forefront of the processes, products & services that meet or exceed all customer requirements.



**CABLE ASSOCIATES IS A PROUD  
USA CABLE ASSEMBLY  
MANUFACTURER SINCE 1989**



Our quality engineering team's primary focus is continued quality improvement:



**DETAILED QUALITY**  
control procedure  
handbook revised annually



**HIGHLY TRAINED**  
engineers & technicians



**STATE OF THE ART**  
equipment sourcing & regular  
maintenance & calibration



**FIRST ARTICLE**  
verification both standard  
and AS9102B forms



**VERIFICATIONS:**  
BOM, RoHS compliance,  
cut sheet, drawing rev level,  
test setup & previous build notes



**INTERNAL DOCUMENTATION**  
including drawings,  
procedures, travellers,  
test sheets, schematics



**ALL ELECTRICAL CABLE ASSEMBLIES** are tested 100% for continuity and signal integrity. Fiber optic, Copper and RF cable assemblies are tested following customer specific requirements.



# WHY CABLE ASSOCIATES?

## OUR STORY

In 1989, current partners Jim Rogan and Brian Pember found a niche in the cable assembly space, specifically copper, that provided customers with high-quality USA manufactured assemblies at a **quicker turnaround** than the competition.

Operating out of a 5,000 sq ft. leased manufacturing area, Jim and Brian took a leap of faith and Cable Associates began operations with a team of 5.

Over 30 years later, Cable Associates has organically evolved from a team of 5 to over 150, specializing in fiber optic, copper, custom harness, RF, contract manufacturing and shipping orders around the world.

Jim and Brian attribute the current success to the same core competencies of the company back in 1989. The relentless pursuit of providing the **highest quality** assemblies and a customer-centric business model resonates today just as it did back then.



MADE IN  
USA

Our **loyal customer retention** over the last 30+ years is our benchmark of success. Each phone call, meeting, RFQ and working order receives the same level of unwavering customer service and quality every time.

Most importantly, the employees of Cable Associates, both former and current, who have given everything to a cause greater than themselves, are the foundation of Cable Associates' past and future success.



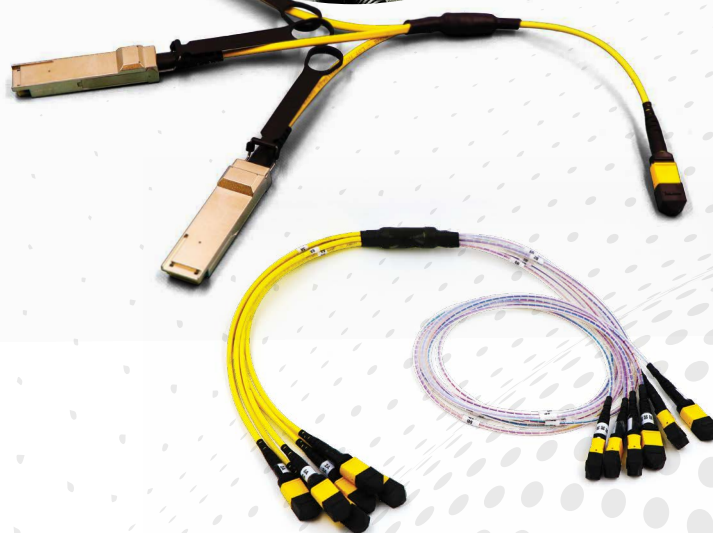


# CUSTOM HARNESSES

Cable Associates specializes in build-to-print fiber optic, copper, RF and composite custom harnesses. CAI engineering works closely with our customers in the design, prototyping and manufacturing of every harness ranging from standard to extremely complex.

Our USA manufactured, UL-certified custom harnesses are often used in complex military applications, broadband/FTTX expansion, medical devices, cars, tractors and drones.

Cable Associates is honored to be a trusted supplier for some of the leading national defense contractors supporting military operations across the world because of our sustained quality and excellent supplier ratings.







CAI has increased capacity & expanded production/ test equipment to meet the increased demand for our high-quality custom MTP/MPO multi-fiber assemblies.



# FIBER OPTIC ASSEMBLIES

Custom length fiber optic jumpers and patch cords of the highest quality conforming to Telcordia GR 326. CA jumper and patch cord product line includes:

## FIBER COUNT

- Simplex or Duplex
- 1-144 Fiber Indoor Distribution style cable (900um)
- 1-48 Fiber Fan-out style cable (2mm)
- 1-192 Fiber Micro Distribution

## FIBER TYPES\*

- Single Mode
- Multi Mode (OM1, OM2, OM3, OM4, OM4+)
- \*Available in bend insensitive

## FIBER DIAMETERS

- 900um
- 1.2mm
- 1.6mm
- 2.0mm
- 3.0mm

## JACKET TYPES

- OFNR (Riser)
- OFNP (Plenum)
- Armored
- Indoor / Outdoor
- Outdoor (Direct Burial)
- LSZH

## CONNECTOR TYPES

- LC, LC-APC
- SC, SC-APC
- ST
- FC, FC-APC
- D4
- MTRJ
- Biconic
- MU
- MTP/MPO (Available in 12, 16, 24, 32 & 48 Fiber)
- CS
- MDC

# COPPER ASSEMBLIES

Custom copper assemblies in support of the Telecommunications, Military and Industrial sectors.

## PRODUCT TYPES INCLUDE:

- VDSL in 64 and 50 position Cat5e
- Telco DS1
- DS3 Coax
- RF
- Cat5e
- Cat6
- Cat6a
- POTS
- Custom harnesses
- Panels
- Enclosures
- Cabinets





# RF ASSEMBLIES

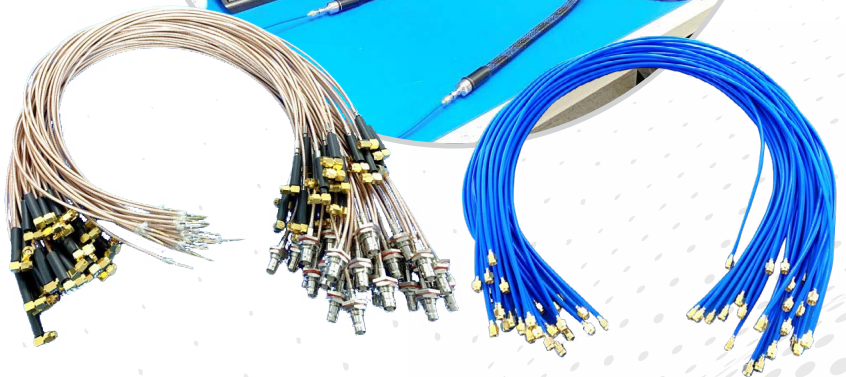
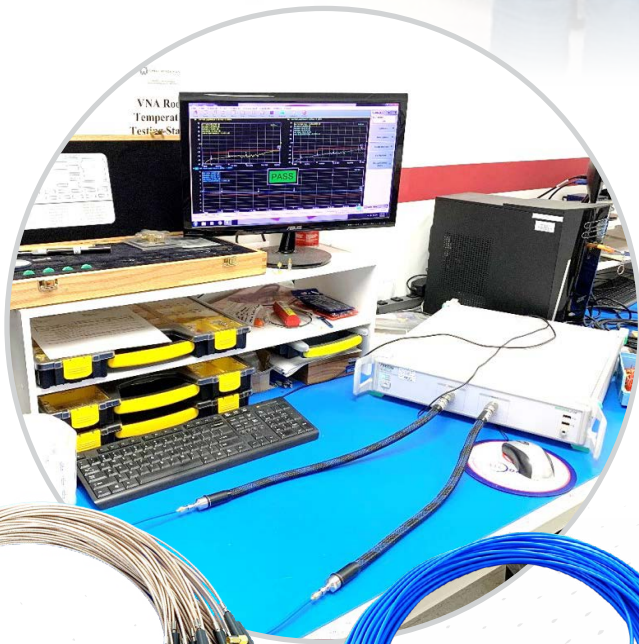
- RF cable testing up to 40GHz, higher BW upon request
- Phased matched cable sets data center
- Hand formable assemblies
- Test lab cables
- RF attenuators & adapter kits
- Coax bending machine onsite
- RF Cable Assembly oven temperature cycle testing available with RF Switching

## CABLE TYPES:

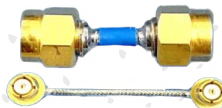
0.047, 0.086, 0.141, LMR 100, 195, 200, 240, 400, RG 6, 58, 223, 316, 316DS, 402, T-Flex 402, 405

## CONNECTOR TYPES:

SMA, Type N, MMCX, GPO, GPPO, 2.92mm, MCX, SSMC, SSMA, SMP, mini SMP, 4.1/9.5, 4.3/10, Type F, TNC, BNC & 3.5mm



ACTUAL  
SIZE





# MILITARY & AEROSPACE ASSEMBLIES

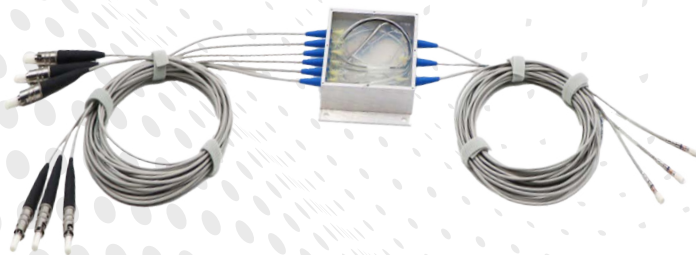
We manufacture custom ruggedized copper wire harnesses, fiber & RF assemblies for military & aerospace applications including but not limited to the following:

- **ELECTRICAL HARNESSES FOR LASER GUIDED MISSILE SYSTEMS**
- **MUOS FIBER/ELECTRICAL SYSTEMS**
- **FIBER/SPLITTER ASSEMBLIES FOR NAVAL SUBMARINES**
- **RF AND RADAR DITMCO RF/ELECTRICAL HARNESSES FOR COMMUNICATION SHELTERS**
- **VARIOUS VOICE/DATA HARNESSES FOR THE ARMY DEPOTS**
- **FIBER TOWED DECOYS**

Cable Associates has years of experience terminating electrical, RF & optical military contacts that include:

**38999 • TFOCA • M28876**

All of our electrical cable assemblies are tested 100% for continuity and signal integrity while our fiber optic cable assemblies are tested for insertion loss, interferometry and back reflection. Every military product has been manufactured with great pride at our Northeastern Pennsylvania facility for over 30 years.



# CONTRACT MANUFACTURING



## RACK AND STACK SYSTEM PREFABRICATION:

19" / 23" EIA Rack

## NEMA WEATHERPROOF CHASSIS INTEGRATION / ASSEMBLY

- Component soldering
- Through hole PCBA soldering
- Module installations
- RF and optical testing
- Fiber optic splicing, routing and cabling
- RF routing and cabling
- Rack and chassis testing

## OPTICAL BREAKOUT MODULES

- MTP/MPO to LC/SC breakout modules
- 19" & 23" Rackmount MTP/MPO breakout and shuffle chassis

## ELECTRO STATIC DISCHARGE (ESD) PRODUCTION AREAS

- Two ESD labs with humidity control and ESD tile flooring
- ESD benchtops and ionizers

## OPTICAL COMPONENT TERMINATION

- Laser termination
- Photodiode termination
- Custom MTP/MPO mapping and design
- Laser and photodiode testing available

## TRANSCIVER MODULE TERMINATION

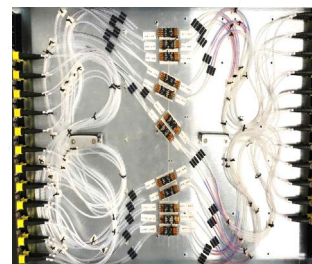
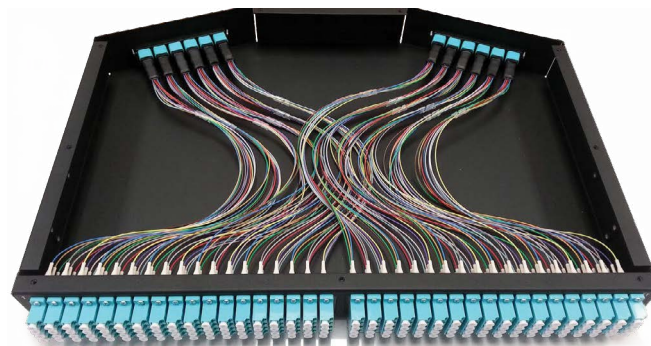
- Transceiver termination
- Transceiver testing

## OPTICAL FUSION SPLICING

- 12 fiber ribbon and single fiber fusion splicing
- Optical splitter chassis modules with internal fusion splicing
- Potting available on request

## RF TESTING

- Up to 40GHz, full s-parameters testing
- Four vector network analyzers
- RF coax bending machine for forming semi-rigid cables







# ***CABLE ASSOCIATES***

***INCORPORATED***

We are proudly AS9003 certified,  
ITAR Compliant, UL Approved,  
RoHS / Reach Compliant, J-STD-001  
& IPC/WHMA-A-620 certified.



Toll Free [1.888.816.6841](tel:18888166841)  
[sales@cableassociates.com](mailto:sales@cableassociates.com)  
1 Export Lane, Archbald, PA 18403  
**[cableassociates.com](http://cableassociates.com)**