PRODUCTS & SERVICES
OFFERINGS

A Complete Listing of:

Assemblies

Connectors

Contacts

Sensors

Structures

Systems

Wire & Cable

Services & Capabilities

Amphenol CIT
Cable & Interconnect Technologies

ASSEMBLIES

Data Bus, Power, & Video Assemblies
Coax Digital Video
Display Port
DVI
Ethernet
- » CAT6A
- » CAT7

HDMI
High-Speed Data
- » Octax® (10 GB)

USB

Fiber Optic Assemblies
Multi-Mode
Single-Mode
Multi-Fiber Assemblies & Breakouts

Harness Assemblies
Straightforward Configurations
Highly Complex Multi-Branch Configurations

Power Feeder Assemblies
12 AWG to 4/0

RF/Microwave Assemblies
Avionics RF Coaxial
- » Customized Sets
- » Low PIM
- » TCAS Cable Sets

Harness Products

CONNECTORS

Backshells
Compact D-Sub
Composite
EN4165/BACC65
Exit Angles:
- » 45°
- » 90°
- » Straight

Universal Spring Latches

Data Bus Connectors
Octax®
- » 38999 (Sizes 11, 19, 25)
- » ARINC 600
- » EN4165
- » Flange-Mount Receptacle
- » Hybrid
- » LT
- » Plug
- » Single Contact
- » Socket (With & Without Latch)
- » Solo
- » Straight PCB (Flange Mount)

Octax-to-Quadrax Adapter

RF/Microwave Connectors
Avionics RF
- » ARINC
- » BNC
- » HN
- » SMA
- » Specialty
- » TNC
- » Type C
- » Type N

Specialty Connectors
Terminal Lugs

Avionics RF Adapters

CONTACTS

Coaxial
Custom Designed
Signal & Power
- » Crimp
- » PC Tail
- » Solder Cup
- » Wire Wrap

Thermocouple

Approvals for AS39029, EN3155, & BACC47

SENSORS

Capacitive
Eddy Current
Fast Steering Mirror
Label
Machine Tool

STRUCTURES

Antenna Mounts & Accessories
Antenna Doubler & Adapter Plates
Cable Feed Thru Assemblies

Avionics Enclosures
ARINC
- » 404A
- » 600
- » 628
- » 836A

Custom Engineered Enclosures

Racks & Shelves
19" Racks
- » Customizable for Special Mission Needs

Equipment Racks & Shelves
- » Aluminum
- » Composite

Overhead Stowage Bin Racks & Structures

Switch Panels

Trays
Airbus Standard
- » ABS1699
- » ABS1876

ARINC
- » 404A
- » 600
- » 836A
- » Lightweight

Custom Trays & Mounts
- » Cockpit Display
- » Upgrade Adapters

Tray Accessories
Adjustable Keeper with Mounting Block
Air Filtration Systems
- » Negative Pressure
- » Positive Pressure

Hold-Downs
- » Advanced Thumbscrew
- » Insertion-Extraction
- » Military-Style

Stand-Offs
Temperature & Cooling Flow Sensors

SYSTEMS

Automatic Dependent Surveillance Broadcast (ADSB)

EFB Systems
eZMount® Tablet Cradle (for iPad®)
eZMount® EFB Mounting Solutions
- » 3" Arm
- » 5" Arm
- » Pivot
- » Slider
- » Tilt

Global Positioning System/Multi-Mode Receiver (GPS/MMR)

In-Flight Entertainment & Connectivity
Kits:
- » Cobham AVIATOR
  - • 200
  - • 300
  - • 350
  - • 700
  - • SP
- » FlightGear™ ARINC 791, & 792 Ka, Ku, Ka/Ku
- » Gogo AVANCE™
- » Gogo Galileo FDXr
- » HD-710/HP-720 Hardware (Unpressurized Application)
- » HD-720 Hardware
- » Honeywell ASPIRE
  - • 200
  - • 350
  - • 400

- » HS-720 Hardware
- » HSD-440 Hardware
- » HSD-X Hardware
- » SD-720 Hardware
- » SENTRY™ Flight Data Recorder Retrofit
- » Simphone
- » SmartSky 4G LTE ATG

SATCOM
ARINC 791 Installations
ESA SATCOM Installations

WIRE & CABLE

Avionics RF Cables
ECS Avionics
- » 50 Ω Coaxial
- » 50 Ω Coaxial Lightning Series
- » 50 Ω Triaxial
- » 75 Ω Triaxial

BMS 13-65

Commercial UL/CSA/BS Cable & Hookup Wire

Composite Aerospace Wire
Seamless & Seamless-T™
- » AS22759/80–/92
- » AS22759/180–/192
- » NEMA WC 27500

Tufflite®
- » SLT (Thin Wall, Light Weight)
- » ST (Enhanced Med. Wall, Normal Weight)
- » TL (Med. Wall, Normal Weight)
- » TLA (Thick Wall, Aluminum Conductor)
- » TLR (Metric Med. Wall, Normal Weight)
  - • EN 2267-010 (DR)
  - • EN 2714-013 (ML)
- » TLS (Thick Wall, Abrasion-Resistant)

Fiber Optic Cables
LITEflight®
- » EP
- » HD
- » HP
- » POF
- » TS

Harsh Environment, Engine, & SWAMP Cables
EFGLAS Equipment Wire & Cable
ESW Firezone Cables
Thermazone™ Fire-Resistant Cables
- » MIL-DTL-25038/1 (Thermazone I)
- » MIL-DTL-25038/3 (Thermazone IIIK, IIIG)
- » BMS 13-55 (Boeing Material Spec)

High-Speed Digital & Data Cables
Gigabit Series Ethernet Cables
- » Gigabit-10HP™
- » Gigabit-Flexx™

- » Gigabit-Plus™
- » Gigabit-STP

Maxflite™ Series Cables
- » CANbus
- » DVI
- » Fiber Channel
- » Firewire
- » HDMI
- » USB

NETflight® Series Ethernet Cables
- » 100 Base-T
  - • Shielded Twisted Pair
  - • Shielded Quad
    - - High-Performance Quad
    - - Lightweight Quad
  - • Single Twisted Pair

High-Voltage Wire & Cable
Composite
Extruded
Ultra-Flexible Shielded Composite

Industrial Wire & Cable
Polyimide Equipment Wire & Cable
Thermocouple Cables

MIL-SPEC Wire
AS22759 Wire (Fluoropolymer Insulated)
MIL-C-17 (High-Performance Coaxial Cable)
MIL-DTL-16878 Wire (NEMA HP3, HP4)
MIL-DTL-25038 Wire (Fire-Resistant)
MIL-DTL-81381 (Polyimide Insulated)
NEMA WC 27500 Cable

Shielding & Overbraiding Products
Metallic Braids
Non-Metallic Braids
- » Ceramic
- » Cloth
- » "E" Fiberglass
- » ECTFE (Halar®)
- » Graphite
- » Kevlar
- » MIL-C-572
- » Nomex
- » Nylon
- » PEEK
- » PETE
- » PTFE
- » "S" Fiberglass

Specialty Cables
Coil Cords
Low-Noise Cables

Cable Assembly & Repair Products
Portable Coaxial Cable Stripper Kit

SERVICES & CAPABILITIES

5-Axis Machining

Airworthiness Certification Services
OEM Aircraft Parts & Assemblies
PMA Manufacturing
- » FAA PMA/EASA Part 21 POA

STC Certification
- » FAA/EASA/Part 21 DOA

IAMA Member

Bobbin Winding

Contract Manufacturing
Key Manufacturing Advantages
- » 5-Axis Machining
- » Contact Machining & Cold Heading
- » Molding & Potting
- » Selective Plating
- » Quality Systems
  - • AS9100
  - • ISO 9001
  - • ISO 13485
  - • ISO 14001
  - • ISO 50001
  - • ITAR
  - • MIL Spec/SAE
  - • Nadcap
  - • RoHS
  - • UL

Key Manufacturing Capabilities
- » Aircraft Modification Kits
- » Electromechanical Structures
- » Equipment Racks
- » Fiber Optics
- » Custom Composite Cables
- » Custom Overbraiding
- » Cutting & Marked Wire Kits
- » Machining & Additive Manufacturing
- » Micro-machining & CNC Milling
- » PMA/EPA Production
- » RF Assembly & Test
- » Wire Harnesses & Cable Bundles

Electro-Mechanical Integration of Modules

Engineering & Design
Airflow Cooling & Analysis
Custom Component Design
Electrical & Structural Design
Fire Detection & Containment
Stress Analysis
Qualification Testing
Regulatory Compliance
- » SFAR 88
- » DO-160
- » FAR

FAA STC Design Approval Holder
FAA PMA Approved
On-Site FAA DERs, DARs, & DMIRs

Large 5-Axis Horizontal Machining

Laser Marking & Engraving

Mechanical Assembly
Adhesive Bonding
Hi-Lok
Packaging for Next-Level Integration
Press Fit & Crimping
Rivets
Screws
Welding

Metal Finishing & Paint
Automated Chemical Finishing
» Chemical Conversion Coating
  • MIL-DTL-5541, Type II, RoHS Compliant
    Clear Anodize
  • MIL-A-8625, ClassIC, Type I
Fully Automated Process Chemistry Monitoring
& Time in Tank Controls
Max Part Handling:
» 8 ft x 5 ft x 1.5 ft (Thickness)
» 250 lb (Weight)
Qualified on Aluminum Alloys Series
» 2000
» 5000
» 6000
» 7000
Nadcap Accredited

Sheet Punching & Forming
Typical Materials:
» Acrylics
» Aluminum (Max Thickness 1/4 in.)
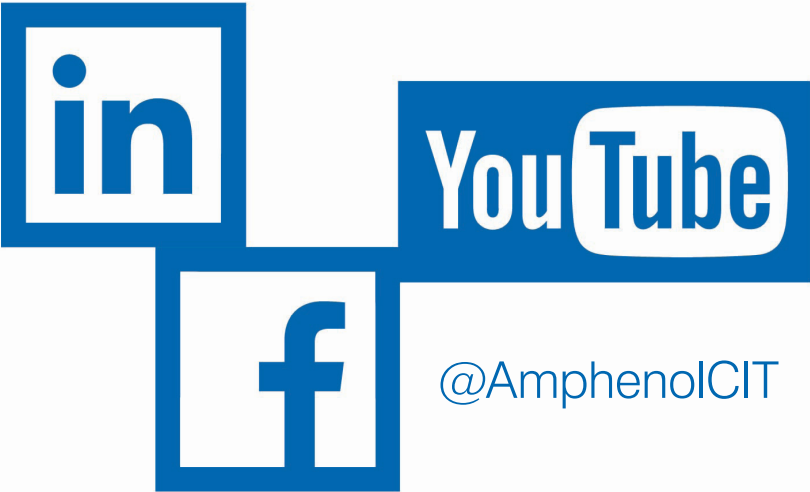» Stainless Steels (Max Thickness 3/16 in)
» Teflon™
Stamping Sheet Size:
» 4 ft x 6 ft 8 in
Tolerance:
» +/- 0.002 in (0.05 mm)

Testing & Field Services
Customer Product Training
Fiber Optic Test & Inspection Kits
On-Site Technical Support
Product Qualification & Testing
Vibration & Shock Testing

Let's
Connect!

@AmphenolICIT

We Are **Interconnect.**

At Amphenol CIT, we do more than make interconnect technologies for a spectrum of industries. We deliver the critical connections and products that make amazing performances possible.

Global Manufacturing. **Local Support.**

Wherever you are, so are we. With manufacturing centers around the globe, our highly qualified team is up to any challenge. Our extensive worldwide manufacturing capabilities, coupled with end-to-end local project management and engineering support, allow us to design, build, test, and certify your product in-house, saving you the time and hassle of managing multiple vendors.

CIS
Continuous Improvement & Sustainability

The Continuous Improvement System (CIS) serves as the driving force behind our sustained growth, excellence, and longevity. It forms the foundation of our commitment to continual enhancement and sustainability. Through CIS, we steer our strategic evolution, achieve annual cost efficiencies, and ensure alignment between business objectives and operational excellence.

At its core, CIS functions as our universal compass, fostering a shared language and transparent methodologies. It provides the framework to set the course for progress and equips us with actionable metrics to measure our journey. With CIS, we manage improvement systematically, ensuring timely resolution of challenges and nurturing a culture of stewardship and sustainability.

In essence, CIS embodies our ethos of relentless improvement, offering the structure and tools necessary to navigate the complexities of our evolving landscape while remaining true to our core values.

Key Continuous Improvement Efforts

» Employee Engagement

» Policy Deployment

» Value Transition Planning

» Managing for Daily Improvement

» Enterprise-wide Lean Sigma

» Variation Reduction

» Supply Chain Excellence

» Engineering Excellence

Key Sustainability Efforts

» **Sustainability Initiatives:** Targeting waste and emission reductions for Amphenol CIT, customers, and the environment.

» **ISO 14001 Compliance:** Adhering to environmental standards, identifying and reducing waste and emissions.

» **ISO 50001 Energy Management:** Optimizing energy usage, transitioning to greener energy sources, and identifying energy conservation measures.

» **Reduce, Recycle, Reuse:** Implementing strategies to minimize waste and promote resource conservation.

FACILITIES CERTIFICATIONS

Visit our website to view certifications listed by site.

PRODUCT CERTIFICATIONS

Contact us directly for products engineered to your specific compliance needs.

ACIT LOCATIONS

St. Augustine, FL (ACIT HQ)
100 Tensolite Dr.
St. Augustine, FL 32092

Franklin, WI
5300 W. Franklin Dr.
Franklin, WI 53132

Kent, WA
22412 66th Ave. South
Bldg. B, Ste. C
Kent, WA 98032

Nogales, MX
Blvd. Luis Donaldo Colosio M. 1195
Colonia Obrera 84048
Nogales, Sonora, MX

Dongguan, Guangdong, CN
No. 7 Qiaolong Rd.
Xinhu Industrial Park
Dengwu, Qiaotou Town 523533
Dongguan, Guangdong, China

Our Family of Brands

Amphenol CIT
Cable & Interconnect Technologies

🌐 www.Amphenol-CIT.com

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