



CABLE ASSEMBLY & HARNESS SOLUTIONS

DESIGN | ENGINEERING | MANUFACTURE



DESIGN, ENGINEERING & MANUFACTURE

TT Electronics Fairford specialises in providing top-tier interconnection solutions designed to excel in the most demanding environments. Our cable designs, backed by comprehensive through-life engineering support, uphold the utmost standards in cable harnessing. With certifications including ISO 9001, ISO 14001 and NADCAP compliance for cable assemblies, we guarantee that our products will exceed your specifications, delivering exceptional quality across the board.



ENGINEERING & MANUFACTURING

| Cable Design | Full EMC Screening | Backshells and Enclosures | Connectors | Wire & Cable
| Transitions | Terminations

NPI & ENGINEERING

- ✓ Specialist Design Engineers
- ✓ +45 Years of Experience
- ✓ Dedicated Prototype team/area
- ✓ On-application technical support
- ✓ On-site 'wet measurement'
- ✓ All major software file compatibility
- ✓ 3D printing (concept design)
- ✓ 8 step NPI process

IN-HOUSE CAPABILITIES

| Transitions | Design & Prototype | CNC Machining | Hand & Machine Lay Multi Core Cable
| Automated Cable Braiding | Harness Manufacture & Assembly | Panel Wiring and Assembly

MANUFACTURING EXPERTISE

- ✓ Cable lay and custom cable manufacture
- ✓ End-to-end, multi-ended, terminated/un-terminated harness assemblies
- ✓ Custom-built multicore cable design
- ✓ Machine/Sock over braid, branch braid & Nomex
- ✓ Composite cable protection system
- ✓ Electrical box build and panel wiring
- ✓ Cabinet and rack assembly
- ✓ Operators qualified to IPC 620
- ✓ IT trainers on site
- ✓ 100% End Of Line testing

CERTIFICATIONS

| AS9100 | NADCAP
| ITAR COMPLIANT | ISO 9001

RELIABILITY WHERE IT MATTERS MOST



DEFENCE PROGRAMME EXPERIENCE



AIR

F35, Typhoon, Hawk, Chinook, Hercules, Lynx, Crowsnest, Wild Cat, RJ146, Nimrod, Sea King, Merlin, Apache, C-17

MUNITIONS

NSM, Storm Shadow, ALARM, Rapier 2000, LML, AASRAM, Brimstone, StarStreak

LAND

Fox Hound, Mastiff, Ridgeback, Wolf Hound, Buffalo, Warthog, Titan, Stormer, Viking, CVRT, Trojan, Challenger I & II, ScimitarTank, Pegaso BMR600

APPLICATION EXPERIENCE



Military Fixed Wing Aircraft



Missile & Defensive Suits



Civil Aircraft



Naval Systems



Military Land Based Vehicles



Rotary Wing Aircraft

TT ELECTRONICS PLC

TT Electronics is a global provider of engineered technologies for performance critical applications. TT solves electronics challenges for a sustainable world providing solutions that are cleaner, healthier and smarter for global OEMs in healthcare, aerospace, defence, electrification, and automation. Products designed and manufactured include sensors, power management and connectivity, underpinned by global manufacturing and R&D facilities.

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