



Hunter Cable Assembly Ltd

a specialist manufacturer and distributor of
cable assemblies, wiring looms and harnesses, box builds and sub assemblies

Custom Cable Assemblies for Solar Aircraft

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A new connector has been designed to meet the custom cable assembly needs for the new Solar Impulse aircraft.

The connector solution has been designed by Souriau – an electronics components manufacturer. They designed the composite connectors for the Solar Impulse solar powered aircraft which is thought to be revolutionary by experts in that field.

The aircraft is said to be revolutionary after it completed a 26 hour non-stop flight in July 2010, and is now said to be working towards circling the earth completely without fuel and only propelled by solar energy.

Solar Impulse uses Souriau composite connectors to supply and monitor the four electrical motors powered with solar panel and high performance battery.

The connectors are made of composite material to ensure they are as light as they possibly can be while at the same time ensuring the EMI protection is at its highest performance – a special metallisation also aids this.

The Solar Impulse aircraft managed to use solar energy alone to fly through a whole night – without producing any environmentally harmful emissions.

Custom Cable Assemblies

Hunter Cable Assembly provides custom cable assemblies to clients in a variety of fields and uses many Souriau products.

They provide the following [custom cable assemblies](#):

- Point to Point Crimp
- Point to Point Solder
- Multicore Assembly
- IDC Flat Ribbon
- Discrete Wire Crimp
- Multicore Data Cables
- Pre-Insulated Crimps
- Network Patch Leads
- Audio Leads
- Coaxial Leads
- Moulded Leads

They also supply services in flat ribbon cable assemblies. These are cables which are harnessed next to each other in a flat plane to mirror a ribbon. They are flat and their uses are becoming less in demand, but for older devices, they may be a requirement.

Visit www.hcal.co.uk for more information and to discuss your requirements in more detail.