

SHERWOOD ELECTRONICS

**The UK's Leading Standard and Bespoke
Cable Assembly Manufacturer**



Company Profile

Sherwood Electronics Ltd

Sherwood Electronics Ltd is a leading supplier and manufacturer of Quality Bespoke cable assembly solutions for the Automotive, Military, Aerospace, Rail, Medical, Telecommunications, Industrial Control, Electronics and Networking industries.

The Sherwood Electronics Bespoke cable assembly service can produce a wide range of cable assembly solutions. From Standard Solder type and IDC cable assemblies, to ruggedised cables for harsh environments, to highly complex cable assemblies with ultra-flexibility, ultra durability, extreme temperature variation, extreme degrees of pressure, Waterproof, Submersible, cables that can withstand degradation caused by sea, air, or UV rays, cables that require Potting and Encapsulation, custom shielding or specific jacketing, moulding, company logos, enhanced moulded strain relief grommets and with specific colour requirements.



Incorporated in 1993 Sherwood Electronics has gained the skill and experience in designing and manufacturing bespoke cable assemblies that will stand up to the most rigorous electrical, mechanical and environmental applications.

We offer a specialist service by meeting specific customer requirements for both standard and non standard Cable Assemblies.

We pride ourselves on customer service and our ability to react quickly to customer needs with competitive pricing, fast turn around and high quality products.

Sherwood Electronics – UK Cable Assembly Facility Expansion

To meet the growing demand for Standard and Bespoke cable assemblies, Sherwood has implemented a significant expansion of its UK cable assembly facility.

As part of Sherwood Electronics planned program of investment to increase capacity and capability - Sherwood Electronics have installed on site a brand new Wirtec AM310 Quattro Cut, Strip, Tin and Terminate machine.



The AM310 Quattro Cut, Strip and Terminate Machine is capable of accurately processing very small single core wire cross section 11-26 AWG (4-0.13 mm²)

Its modular design can also be equipped with up to four processing stations allowing it to be optimised based upon customer specific requirements.

The Wirtec AM310 Quattro machine's features consist of:

Cutting		Crimp Seal	
Stripping		Twist and tinning	
Partial Strip		Close terminal	
Crimp to Crimp		Intermediate strip	

We continue to heavily invest in both the most up to date machinery and technology to continually improve our capabilities and efficiency.

Sherwood Electronics can produce small, medium and large production requirements whilst providing a high quality manufacturing service with excellent pricing and lead times. The addition of our new Wirtec AM310 Quattro Cut, Strip and Terminate Machine adds to our Bespoke manufacturing capability and offers a complete range of cable assembly options designed to add value and flexibility to our customers.

If you feel we could help you with your cable assembly project and utilise our expertise we would be pleased to hear from you.

Sherwood Quality

Sherwood Electronics are among a limited number of UK companies with the ability to manufacture Cable Assemblies in the UK to full UL release, UL File No: E474869. We are ISO 9001:2015, IPC-A- 610 and IPC-WHMA- A-620C certified.

Through our commitment to Quality Sherwood Electronics Ltd have achieved the following certifications:

- **ISO 9001:2015**
- **UL Approved and Listed (E474869) ZPFW2 and ZPFW8**
- **IPC-A-610**
- **IPC-WHMA-A-620C**
- **RoHS 3 (EU 2015/863) Compliant**
- **REACH (EC1907/2006) Compliant**

We pride ourselves on customer service and our ability to react quickly to customer needs with competitive pricing, fast turnaround and high quality products.

Should you require any information regarding our ISO 9001:2015, IPC-WHMA-A-620C, IPC-A-610 and UL certifications we would be pleased to hear from you.



Cable Assembly Test and Inspection

Quality Assurance is an Integral part of all the work Sherwood Electronics Undertake.

From 100% visual inspection to testing for continuity and short circuits at each connection, Dielectric withstand test / Hipot DC or AC insulation tested. Sherwood has the test and inspection procedures in place to produce a wide range of quality tested cable assembly solutions.

Critical aspects of every cable assembly are fully inspected to Sherwood set inspection procedures including, continuity testing, solder joints, crimp termination quality, crimp pull test, crimp housings, length +/- tolerance, sleeving and stripping, every critical aspect of each cable assembly set in the Sherwood inspection procedure is checked to ensure there are no failures when the customer installs the cable assembly into their finished product.

We maintain the highest standards, employing statistical process control, inspection, electrical tests, and quality controls at each stage of manufacture.

Sherwood Tooling

Sherwood Electronics has tooling for cable assembly solutions across multiple industries. The cable assembly machinery present at our UK Nottingham facility includes:

- | | |
|---|-------------------------------------|
| • Schleuniger PowerStrip 9500 | • JST PP3 Crimp Machine |
| • Schleuniger EcoStrip 9320 | • JST AP F6 Crimp Machine |
| • Schleuniger OmniStrip 9400 | • GLW EC65 Crimp Machines |
| • Schleuniger Unistrip 2015 | • Automatic Screwdrivers |
| • Schleuniger Unistrip 2500 | • Weller Solder Stations |
| • Schleuniger CCM 1200 | • Schmidt Press |
| • Schleuniger Unistrip 2100 | • Uniflex HM 160 Press |
| • Mecal Crimp Presses | • 2 x 2F1 AL01 Strip Box |
| • EC65 GLW Ferrule Machine | • 2 x Feintechnik A.M Strip Machine |
| • Wirmec AM310 Quattro, Cut Strip and Terminate Machine | • Cablespeed JQ-6100 |

Despatching your order

Our International Distribution centre is staffed by personnel who will pick, pack and despatch your order. We are able to meet any custom packaging requirements, ranging from custom labelling of individual parts to a full kitting service.

Our automated system ensures customers receive up-to date order despatch information via e-mail confirming the shipping date and tracking number of the customer purchase order.

All shipments are shipped overnight- Nationwide next day delivery.





Solder type Cable Assemblies

9-50 way Male and Female D-Subs, 15-78 way Male and Female High Density, Circular, Audio, Video, DIN and Mini DIN.



Bespoke Cable Assemblies

Cable assemblies that will stand up to the most rigorous electrical, mechanical and environmental applications for the Automotive, Military, Aerospace, Rail, Medical, Telecoms, Industrial Control, Electronics and Networking industries.



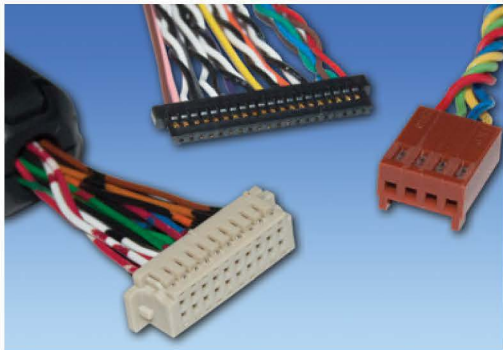
IDC Ribbon Cable Assemblies

Available in a wide range of IDC assemblies in 1.27mm, 2.0mm, and 2.54mm pitches. We offer a complete Ribbon Cable assembly service.



Moulded Cables Assemblies

A wide range of fully moulded cable assemblies including RS232, Parallel, USB 2 & 3, DVI, HDMI, SCSI, SATA, Mini Din, PS2 & KVM, and IP67 Water Proof Cables.



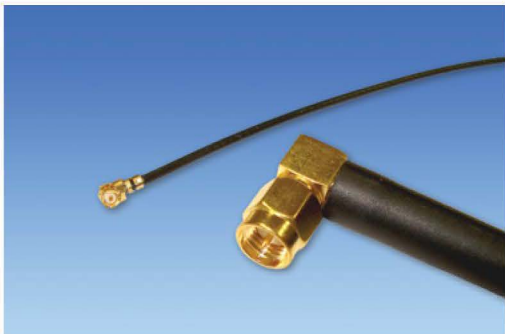
Discreet Wire Cable Assemblies

Competitively priced on short lead times, a wide range of simple to complex Discreet Wiring Looms. We can manufacture looms using AMP, Molex, JST, Berg, ITT, FCI, Hirose, JAE, Harwin, and many more



Moulded Power Cables

A wide range of Moulded Power Cables all designed for reliability and long life with a wide choice of power connectors. UK, US & Euro Plugs, IEC C13 & C14, C5, C7, C19, C20 and any custom configuration required.



RF Coax Cable Assemblies

A full range of custom made RF Coaxial Cable Assemblies. Cables are available with most commercially available RF connector series mounted to either flexible cable or semi-rigid conformable cable.



Military Spec Cable Assemblies

Custom security and military cable assemblies, wiring looms and custom wiring harness solutions for use in almost all environments and applications.



Locomotive Cable Assemblies

Train door wiring looms, railway track signalling cable assemblies, and rail signalling equipment cable assemblies. We can produce any wiring and control panel assembly for the rail industry.



LVDS Cables Assemblies

LVDS (Low-Voltage Differential Signalling) cables are custom made to interface between your LCD and Control PCB or Embedded Mother Board. Shielding options available. Fully customised to meet your specific requirements.



Automotive / OBD II

OBD-II Cable Assemblies compatible with many popular vehicle specifications. For more information please contact the sales office.



Cat5e / Cat6 UTP/FTP Patch Cables

A wide range of Cat5e and Cat6 Patch Cables with a wide choice of lengths and colours. Available booted and unbooted in both UTP and FTP.



Automotive

We have extensive knowledge in the manufacture and supply of wiring looms and connectors to the Automotive Industry. We can design and produce Bus and Coach Wiring Looms, Motorsport Wiring Looms, Trailer Wiring Looms, Vehicle Conversion Wiring Looms and OBD-II Diagnostic Interface assemblies.



Medical

Our cable assemblies have been designed and produced for Medical Analysers, Blood Pressure Testers, Blood Sugar Monitors, Heart Monitors, Biopotential Analysers, ECG Transmitter/Receiver Units, Gas Analysers, Blood Analysers, ENT Diagnostic Instruments and ECG Arrhythmia Interpretation Computers.



Oil & Gas Offshore Technology

We supply a multitude of cable assemblies directly into the Oil and Gas Offshore Technology sector. Our cable assemblies are of the highest quality, and able to withstand the harshest of environments. Our customers value our capabilities, which allow us to deliver fully sealed, bespoke cable assemblies fit for use above and below water.



Transportation

We have produced train door wiring looms, railway track signalling cable assemblies, rail signalling equipment cable assemblies, we can produce any wiring and control panel assembly for the rail industry. Our quality standards ensure that our cable assemblies will be able to perform in the extreme harsh environments often required of Transportation equipment, especially those conditions associated with extreme heat and the extreme cold.



Security and Defence

We are highly experienced in the manufacture of custom security and military cable assemblies, wiring looms and custom wiring harness solutions for use in almost all environments and applications. We have extensive knowledge of the components and materials regularly used in Mil-Spec Wiring Systems and Military Connector Systems.



Industrial Control

We can manufacture cable assemblies with varying sizes and applications for welding equipment, safety and security devices, portable printers, solar panels, power supplies, gas detection and process control equipment.



Electric Vehicle and Kerbside charging points

Electric Vehicles and Kerbside charging points are exposed to high levels of environmental forces, including vibration, dust, water, debris, and temperature. To protect the integrity of the electrical systems, high-quality cable assemblies are required. We provide Electric Vehicle cable assemblies, Hybrid Electric Vehicle cable assemblies, Electric Vehicle Charging Station cable assemblies.



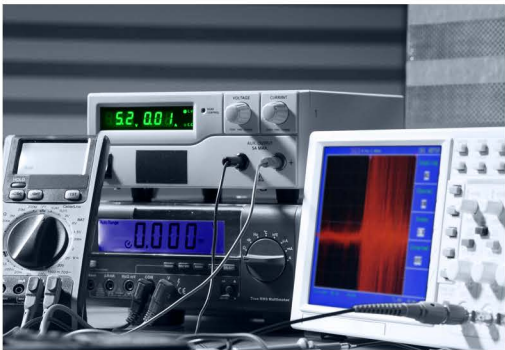
Waterproof and Submersible

Customised solutions for a wide variety of IP Rated cable assemblies, We can manufacture IP67 and IP68 cable assemblies suitable for continuous immersion in underwater conditions. We can provide cable assemblies with different levels of IP waterproofing up to IP69K



Audio and Visual

We manufacture high-conductivity microphone cables, analog/digital audio and video cables, speaker cable, RGB cables, S-video cables, multi-coax bundles and composite audio video cables for multimedia and video applications for the audio / visual industry.



Instrumentation

We design and produce cable assemblies for oscilloscopes, multimeters, calibration instruments, hardness testers or leak detectors, data acquisition, logic and waveform analysis, and signal measurement equipment.



Aerospace

Sherwood Electronics have extensive experience in designing and manufacturing cable assemblies that will stand up to the most rigorous electrical, mechanical and environmental demands of the worlds leading aerospace subcontractors. From ruggedised products for harsh environments, to highly complex miniature cables, we engineer cable assemblies requiring ultra-flexibility, extreme temperature tolerance, custom shielding and/or jacketing, light-weight, signal integrity or low-noise requirements.



Broadcast

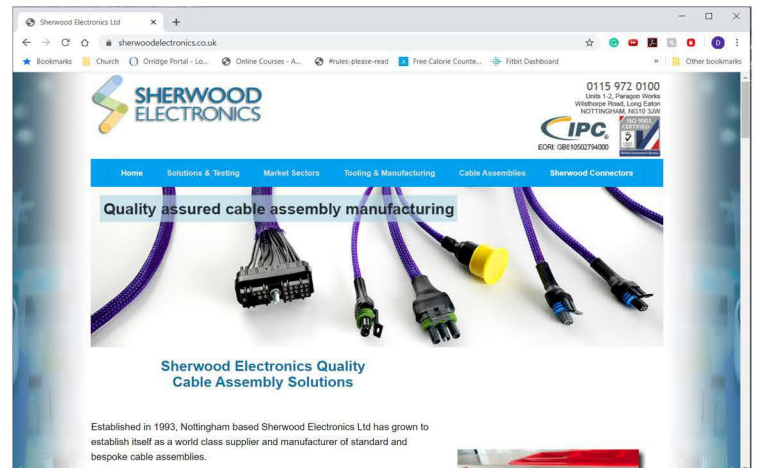
We manufacture Professional Broadcast cable assemblies for Radio and TV Stations, Outside Broadcast Vans, Theatre & Opera Houses, Production Companies, Recording Studios, and Post Production companies.

WWW.SHERWOODELECTRONICS.CO.UK

The Sherwood Electronics web site offers buyers and Engineers a comprehensive reference guide to all the cable assemblies manufactured by Sherwood Electronics, approvals, technical expertise, testing capabilities, tooling and market sectors provided.

Our Web site is continually up-dated with all the latest news and current updates to the Bespoke cable assembly service we provide to our customers.

Should you require pricing, lead times, technical support on any cable assembly project, please contact sales@sherwoodelectronics.co.uk and we will action your request and provide a quotation for your attention.



Sherwood Taiwan

Sherwood Electronics have access to our own dedicated Sherwood facility in Taiwan. Established in 1996 it has expanded year on year with Taiwan and China manufacturing.

This ensures we have the UK and Far East manufacturing expertise and engineering resources in place to design and supply a range of Bespoke cable assembly solutions that are manufactured to the highest standards.

Our ability and expertise to work closely with Sherwood Taiwan, means we can offer cost effective solutions or alternative options. We can analyse the customer application during the design phase of the project, from rapid prototyping of samples through to pre-production quantities, we can ensure the successful completion of customer projects.

For further information please visit our web site www.sherwoodelectronics.co.uk

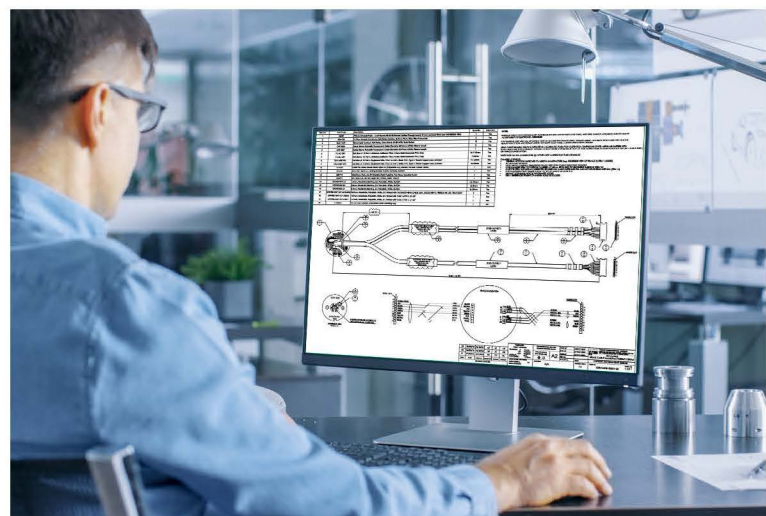
Sherwood Engineering Team

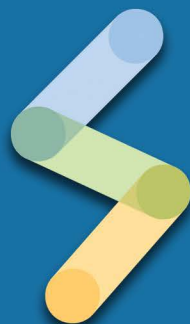
Sherwood Electronics engineers can help you seek the correct solution to your project.

We have a strong base of technical expertise here in the UK, we also have engineers located on-site at our factory in Taiwan to provide assistance with expert technical knowledge throughout the design and production process if required.

Our engineers work closely with customers to transform projects for standard or bespoke products into finished applications.

If you would like to learn more about our approvals and services or discuss your Cable Assembly requirements, we would be delighted to meet with you at our facility in Nottingham and take you on a tour of our manufacturing site. You can then meet our team and gain first hand knowledge of what lies behind Sherwood's success.





Sherwood Electronics Ltd
Units 1 & 2 Paragon Works, Wilsthorpe Road
Long Eaton, Nottingham
NG10 3JW

www.sherwoodelectronics.co.uk
E-Mail: sales@sherwoodelectronics.co.uk

Tel: +44 (0)115 9720100
Fax: +44 (0)115 9721900

