

BEST CONTACTS FOR YOUR SUCCESS



## Manufacturing Excellence



Telegärtner UK  
**Cable Assemblies  
Services & Capabilities**

# Telegärtner UK – Manufacturing Excellence

Telegärtner UK has an excellent reputation for providing high quality, competitively priced cable assemblies for a variety of market sectors, such as telecommunications, rail, industrial, medical, broadcast and marine. With almost 40 years of experience in a wide range of markets, our expertise can be utilised to offer custom-made assemblies according to individual customer requirements.

Telegärtner UK cable assembly manufacturing capabilities cover coax, multiwire, overmoulded and panel assemblies as well as wiring looms. With production sites in the UK and Slovakia, we can offer rapid prototype and pre-production service, highly skilled production staff following IPC620 workmanship standard combined with continuous improvement in production and test equipment.

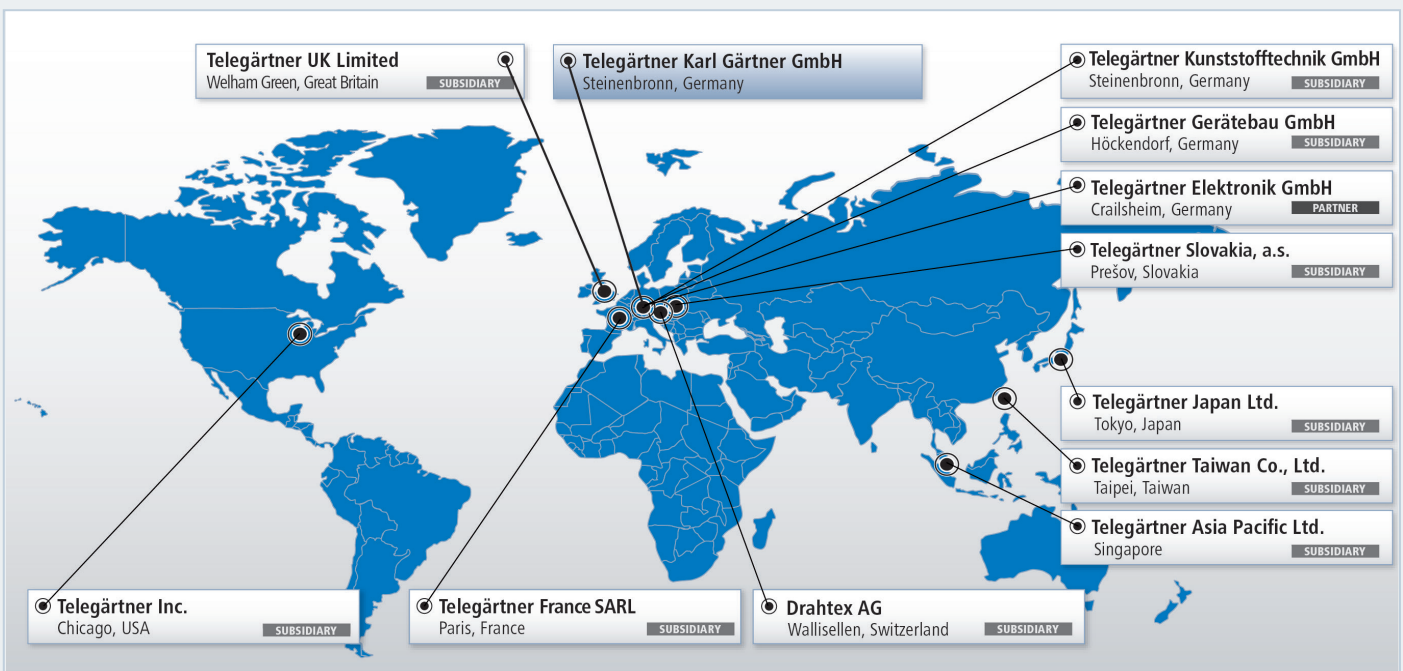
## Telegärtner can offer you:

- Rapid prototype and pre-production service
- IPC620 workmanship standard
- Manufacturing in the UK and Slovakia
- Overmoulding capabilities
- Design solutions using the latest AutoCAD software
- Continuous improvement in production and test equipment
- Highly skilled and motivated staff
- Extensive purchasing and supplier knowledge
- ISO 9001 & AS9120 certified (Telegärtner UK)
- AS9100 certified (Telegärtner Slovakia)



## Telegärtner Group

Telegärtner UK is part of the German Telegärtner Group, a manufacturer of coax and datavoice components. Being part of the Telegärtner Group, Telegärtner UK also has the access to use the Group worldwide network to facilitate global support of customers and the ability to use the other production facilities that cover turning of metal parts, plastic moulding and fibre cable assembly.



# Flexible Coaxial Cable Assemblies

Telegärtner UK has been making coaxial cable assemblies since 1986. With a wealth of knowledge and experience of using state of the art crimping and soldering techniques and first class quality suppliers, Telegärtner UK has become a renowned European coaxial cable assembly expert. With a range covering a wide selection of assemblies from flexible standard coaxial assemblies to copper

corrugated antenna cable assemblies. Telegärtner UK can develop any new cable assembly project by using dedicated design and production engineers to assist and enhance the customer's design and product realisation. As a part of the solution we offer rapid prototype and pre-production service to provide customers full support from the start of the project, all the way through to project conclusion.

## Telegärtner can offer you:

- Flexible standard and miniature cable assemblies
- Copper corrugated antenna cable assemblies
- Jumper cable assemblies
- Low loss RF cable assemblies
- All standard RG/U cable types
- High power corrugated
- Low smoke zero halogen
- Coaxial attenuators and feedthroughs
- Standard and bespoke designs



# Semi-Rigid Cable Assemblies

One of the key capabilities for Telegärtner UK is the production of semi-rigid cable assemblies, manufactured according to customer requirements. The developed length of the cable is accurately calculated using the latest AutoCAD 3D software to draw the cable design. Once drawn our experienced production engineers can utilise our automated semi-rigid

bending machine to bend your cable assembly to any required shape, perfect every time. Our investment towards a brand new bending machine with software controlled bend head ensures we can offer a high quality, accurate and competitively priced solution every time, offering our customers efficient support throughout the project.



## Telegärtner can offer you:

- Conformable and semi-rigid cable assemblies
- Delay lines and Phase matched sets
- Precision formed using automated bending machine with software controlled bend head
- Temperature cycling using environmental ovens

# Multicore and Data Cable Assemblies

Telegärtner UK offers a wide selection of multiwire and data cable assemblies and wiring looms. The broad selection ranges from simpler ribbon cable assemblies to more complex wiring harnesses and assembly kits. Telegärtner UK has

successfully produced complicated looms for a variety of customers in Broadcast and Industrial markets and many wiring harness cable assemblies for the Telecoms and Marine industry customers, each produced to the highest standard.

## Telegärtner can offer you:

- Screened and unshielded
- Twisted pair and multicore
- Mixed signal and power
- Power leads and coiled cords
- Industry standard cables (2MBIT / Alarm / PV / DMX / RET cable assemblies)
- Computer and data assemblies
- Ribbon cable assemblies
- Wiring harnesses and looms



# Overmoulded Assemblies

One of the key capabilities within Telegärtner UK is our overmoulded cable assembly manufacturing skills. Significant investments have been made to further enhance the moulding capabilities at our Slovakian facility. With the recent acquisition of new overmoulding machinery, our high pressure moulding capabilities have been considerably expanded. We have the

capacity to develop projects from beginning until the end and supply a wide and diverse range of customers throughout a number of industry sectors, such as Medical and Telecoms. In-house multi-purpose tooling design ensures that a full range of cables and connectors is covered and can be seamlessly changed to provide high volume quick turnaround capability.



## Telegärtner can offer you:

- High pressure thermoplastic elastomer
- Low pressure hot melt
- Small or medium sized designs
- Design and supply of multi-cavity tooling produced with AutoCAD Inventor
- Extensive experience



# Panel Assemblies

To complement our cable assembly capabilities, Telegärtner UK also offers panel assembly services. Our panel assemblies are accurately designed using AutoCAD software in order to optimise the space and cable routes to give the best solution.

We offer customised designs using screen printing and PCB design skills to solve your design problems, resulting in offering bespoke panel assemblies and supplying the whole solution, manufactured and printed to customer specifications.

## Telegärtner can offer you:

- Splice panels
- Interface and control panels
- 19" rack mounted panels
- Customised and printed panels to specification
- Complete solution, manufactured and printed to customer specifications



# Enclosure and Box Build

Telegärtner UK also offers enclosure and box build cable assembly solutions to ensure all product requirements can be fulfilled from one source. Telegärtner UK can provide turnkey solutions from R&D to procurement all the way to assembly. We can offer solutions made to customer specifications and supply finished metalwork painted and printed and

populated with connectors, cables, switches, wiring or PCBs to suit any application. Design efficiency is increased by integrating systems and re-engineering in order to supply the ideal solution to our customers. With extensive experience, Telegärtner UK is in a good position to supply to various market sectors, such as marine, automotive, defence and aerospace.



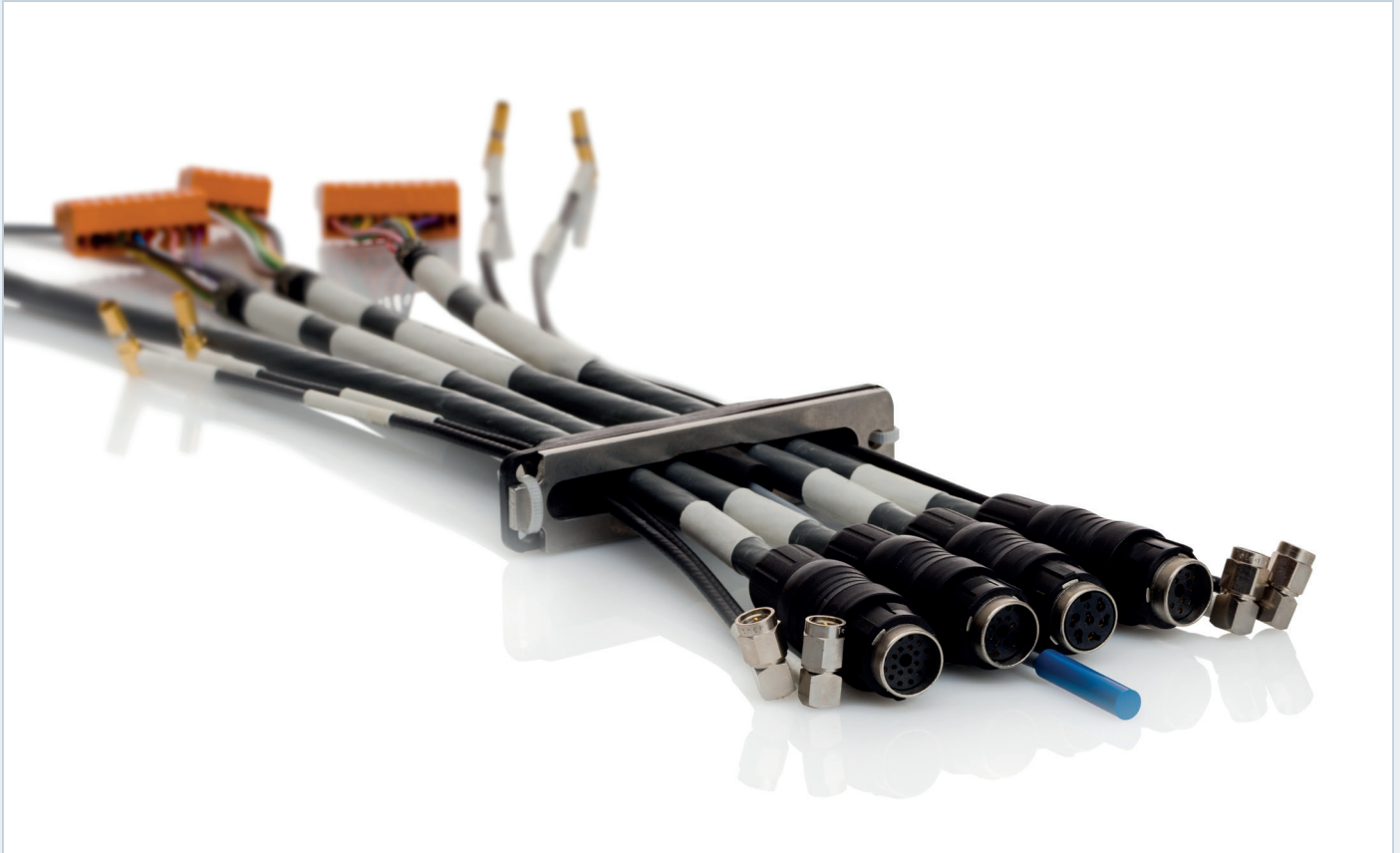
## Telegärtner can offer you:

- Turnkey solutions provided (R&D, procurement and assembly)
- Metalwork supplied and finished to customer requirements
- Populated with controls, switches, wiring harness and PCBs (as specified)
- Integrating systems and re-engineering to increase design efficiency
- Servicing marine, automotive, military and aerospace markets

# Subcontract Services - Specialist services

Telegärtner UK has successfully supplied other services to its customer base in a variety of markets; Telecoms, Defence, Industrial, Marine, Broadcast, Medical, Rail as well as Distribution. Seamless commercial and logistical support

and close attention to detail are some of our qualifications to meet the rigorous demands of the industries we supply. We can support our customers with kitting, testing and design services resulting in a full one-stop-shop partnership solution.



## Telegärtner can offer you:

### Design

- Latest AutoCAD software
- STP/.IGS/.DWG conversion
- 2D & 3D design

### Testing

- Network analysis – from 300KHz- 40GHz
- VSWR / return loss / attenuation / delay
- Multiband passive intermodulation - 800 MHz to LTE 2600 MHz
- ATE Testing 100% of cable assemblies for continuity and high voltage breakdown (CIRRIS & ADAPTRONIC)
- BERT testing and data analysis (FLUKE)

### Kitting

- Personalised kitting service
- Vendor reduction
- Purchasing partnerships
- Unit packing machines
- European hub

### Telegärtner Slovakia

- Low cost production rates
- Lean production values
- European logistics
- Multilingual professional staff
- ISO9001 & AS9100 certified
- IPC620 workmanship standards

# Supplier Representation

Alongside supporting customers with cable assembly requirements, Telegärtner UK also offers a wide range of connectors, cables, speech communication products and connecting systems from selected high quality manufacturers.

We provide a comprehensive service and vital interface between the customers and the manufacturers we represent, resulting in a true one-stop-shop approach offering all required products, solutions and full service from one source.

## Coaxial Connectors



Comprehensive range of high quality coaxial connectors and associated parts to interconnect markets such as Telecoms, Industrial and Marine.

## Datavoice Components



DataVoice solutions for modern gigabit-speed networks from copper and fibre optic patch cords, panels and data outlets to connectors for industrial Ethernet applications.

## Cable Glands and Connectors



Comprehensive range of cable glands for industry and explosion protection areas. Signal, power and data connectors for automation and drive technology.

## D-Sub & M12 Connectors



Wide range of D-sub connectors, hoods and accessories for Industrial applications. Extensive selection of M12 connectors for rail applications.

## Speech and Communication



High quality communication solutions and radio accessories including microphones, handsets, speaker microphones and loudspeakers for public safety, industrial and automotive applications.

## Coaxial Cables



High performance 50Ohm, 75Ohm and 95Ohm coaxial cables for Broadcast and Telecoms markets. Coaxial cables for VSAT, WLAN, RFID and other radio services.

## Connecting Systems



Wide range of high quality 12-24 Volt range connecting systems for on-board electrical systems in cars, trucks, mobile homes, motorbikes and boats.

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