



Company Presentation

Specialists in interconnecting solutions

KEY FACTS



- Established in 1991
- Originally named Select Enterprises before rebranding as Select Cables and then more recently Scott Cables in 2012.
- Privately owned & independent
- Financially secure
- 15,000sqft (1,400m²) facility
- UK Manufacturing
- Experienced Team
- Respected within the industry

SCOTT CABLES LTD APPROVALS

2025

- ISO9001/AS9100 REV D
- ISO14001
- IPC/WHMA-A-620 APPROVED
- IPC/WHMA-A-620 CERTIFIED TRAINERS
- IPC/WHMA-A-620 TRAINED PRODUCTION STAFF
- CYBER ESSENTIALS PLUS

-
- JOSCAR ACCREDITED
 - RISQS ACCREDITED
 - APPROVED UK MOD SUPPLIER
 - SHIP-TO-STOCK STATUS AT MAJOR OEMs

CAPABILITIES

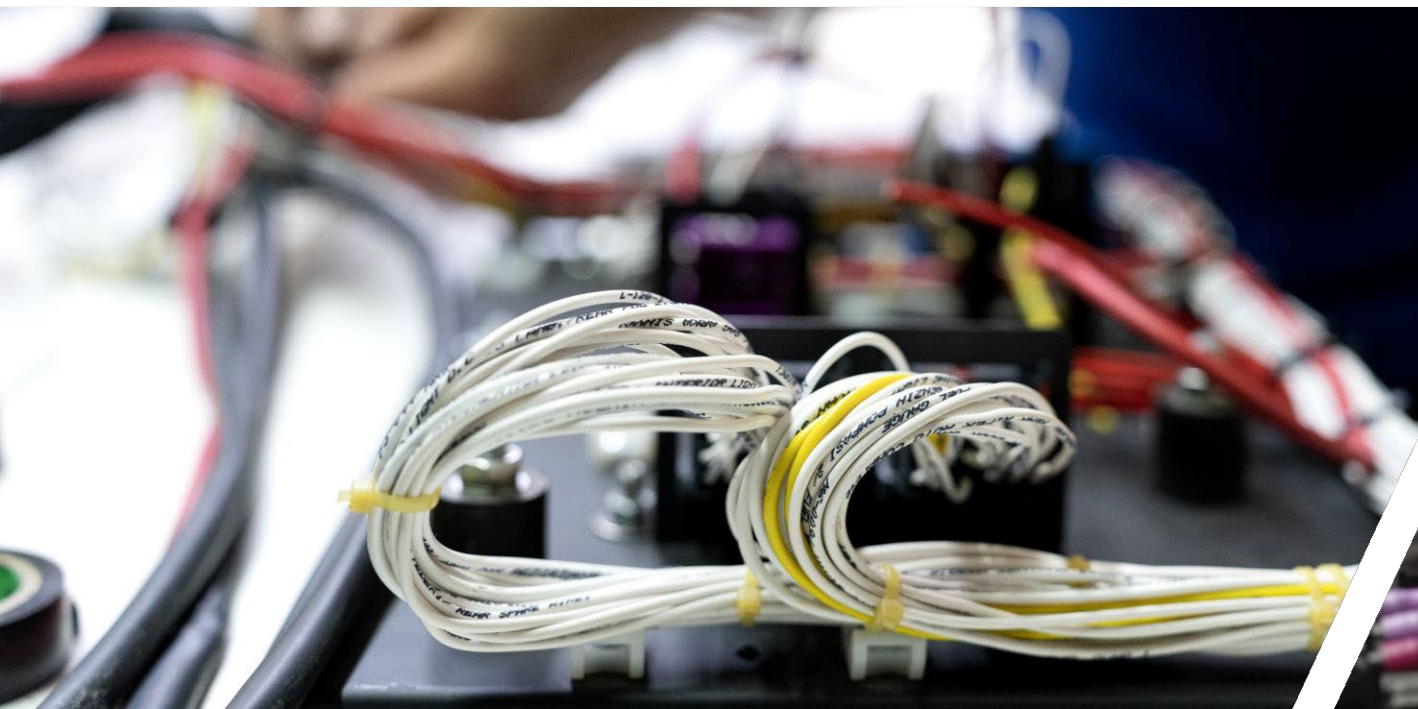
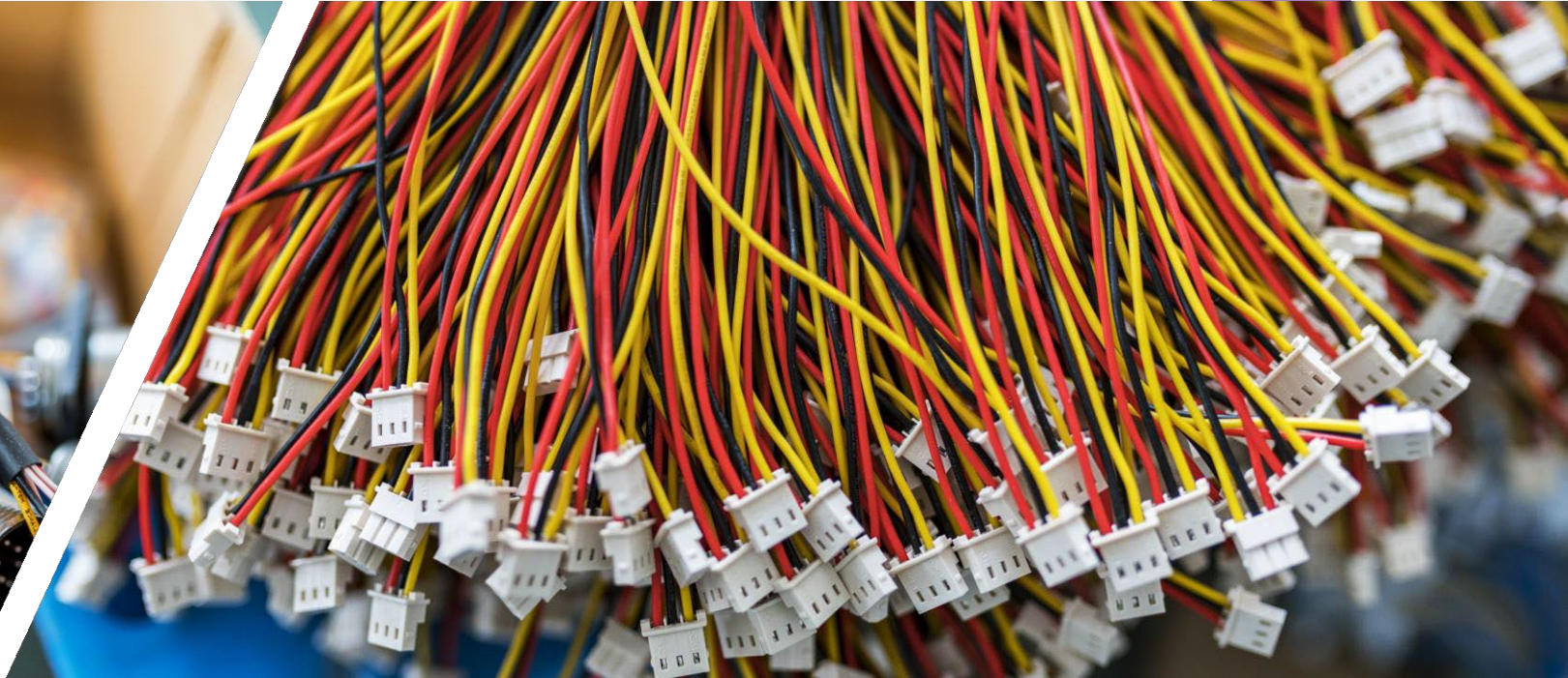
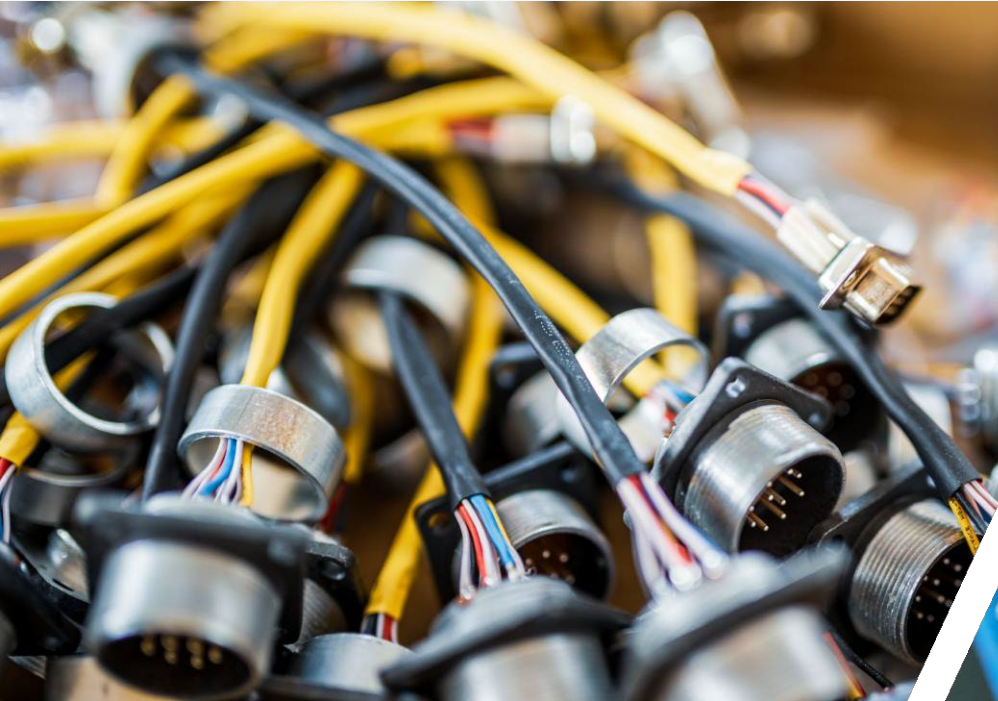
-
- Electrical Cable Assemblies
 - RF/Microwave Cable Assemblies
 - Semi-Rigid Assemblies
 - Electro-Mechanical Assemblies
 - Test Cables
 - Supply of Wide Range of RF Connectors
 - Clean Room Capability
 - Supply of EMI & RFI Cable Shielding
 - Supply of Mil-Std Circular & Rectangular Connectors
-

-
- Supply of Optical Cable Assemblies for High Integrity and Harsh Environment applications
 - Design Support
 - Stock & Distribution
 - Onsite Support
 - Toolroom for creation of bespoke fixtures and jigs

DESIGN CAPABILITIES

-
- **HarnWare™ Drawings**
 - **Clear and reliable drawings play a crucial role with any design project. Working from basic data, our team will produce accurate drawings using HarnWare™ and Visio.**
 - **A drawing package is carefully identified and fully specified by working with our customers throughout the process. This approach provides flexibility allowing any design modifications to be made. Drawings can be tailored to comply with company standards if required. Covering all market sectors including Aerospace, Defence, Rail and Automotive.**
-

-
- **A typical design package we can provide will include:**
 - **Interconnection requirements**
 - **Customer proposal drawings**
 - **2D Harness assembly drawings**
 - **Wiring Schematics**
 - **Part Lists**



STOCK AND DISTRIBUTION

- **European Master Distributor for Times Microwave Systems and EZ Form**
- **Strategic relationship with Rosenberger**
- **Vast range of RF Cable and Connectors**
- **Industry standard product ranges – LMR, FBT and TCOM**
- **Preferential Pricing**
- **Quick Quotation Turnaround**
- **Reduced Lead-times**

ELECTRICAL CABLE ASSEMBLIES

-
- **Wiring Harnesses/Looms**
 - **Power & Data Applications**
 - **Heatshrink, Conduit, Ty-wrap, Laced, Taped bundling methods**
 - **Ribbon Cables**
 - **Earth Braids**
-

-
- **EMI/RFI Shielding**
 - **Connector Systems - Circular, Rectangular, D-Type, IDC**
 - **Deployable Cable Reels**
 - **Bespoke Multicores**
-

CABLE TYPES AND CONNECTORS OFFERED

- RF CABLES Assemblies – to 70Ghz
- Flexible alternatives to Semi-Rigid (0.047", 0.085", 0.141" & .250" sizes)
- Low & Ultra Low loss Cables with diameters from .5" to .480"
- Phase Stable over Temperature Non-Teflon based Dielectric
- Available both in Flexible and Semi-Rigid Formats
- Armoured cable options available
- Extensive range of products utilising LMR cables
- Full range of both Hand Formable and full Semi-Rigid cable types from .034" to 0.250"
- Cables utilising Low Loss dielectric materials available
- Special Waterproof options available

Typical Connector Types

- Comprehensive range of connectors available for all cable types
- Work with wide range of RF Connector manufactures
- Can offer Brass or Stainless Steel variants of connectors
- Straight, Right Angle, Bulkhead and Flanged types available
- Connector types including BNC, N, TNC, SSMA, SMA, SMC, SSMC, SMP, SSMP, BMA, 7/16, 4.3-10, NEX-10, 3.5mm, 2.92mm & 2.4mm
- Waterproof options available

ARACON® Braided EMI Shielding

- ▶ Available from Scott Cables is ARACON® a braided EMI Shield product which is constructed from ultra-fine, highly flexible ARACON® fibers designed to optimise shielding coverage and performance.
- ▶ ARACON® fibers combine the electrical performance of a metal outer layer with the lightweight strength and flexibility of DuPont™ Kevlar®. This powerful combination creates a textile-like material ideal for EMI shielding in cables and harnesses—especially in weight-sensitive environments like aerospace, defence, commercial space and advanced electronics.
- ▶ Features and Benefits include
 - ▶ Reduce weight by up to 80% compared to traditional copper braid
 - ▶ Built for flexibility and longevity - tested to withstand 50,000 + tic-toc flex cycles over 180C°
 - ▶ ARACON® fibre is a low-outgassing material with a broad operating temperature range and resistance to fluid immersion,
 - ▶ Engineered for performance—combines Kevlar® strength with silver and nickel coating for conductivity, corrosion resistance, and solderability
 - ▶ Ideal for aerospace, commercial space and defence systems where weight, durability, and EMI control are mission critical
 - ▶ Blended ARACON® EMI shields have been qualified for lightning strike protection



MARKET SECTORS

-
- **MILITARY & DEFENCE**
 - **Unmanned Vehicles**
 - **AEROSPACE**
 - **SPACE**
 - **RAIL (TRANSPORT & INFRASTRUCTURE)**
 - **INDUSTRIAL**
-

-
- **TELECOMMUNICATIONS & BROADCAST**
 - **SPECIALIST AUTOMOTIVE**
 - **ENERGY**
 - **MEDICAL**
 - **QUANTUM & CRYOGENICS**
-





MARKET SECTOR MILITARY & DEFENCE

- ▶ Military Vehicles
- ▶ C4i Systems
- ▶ Soldier Technology
- ▶ Weapon Systems
- ▶ Military Aerospace
- ▶ Naval Applications



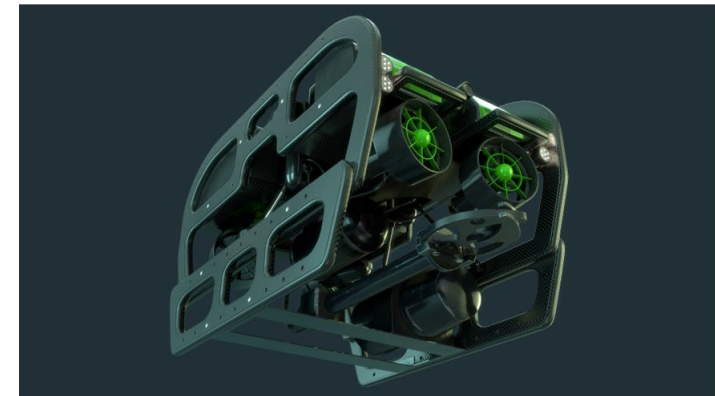
MARKET SECTOR UNMANNED VEHICLES

- ▶ Cable Assemblies connecting various subsystems of drones and UAV's. These include batteries, sensors, autopilots, flight control, ensuring efficient power delivery, data transmission, RF and Navigation systems
- ▶ Cables need to be lightweight, durable, high density and capable of withstanding extreme environmental conditions, including temperature and vibration
- ▶ Common types of cables include copper wiring harness, RF Cables and Fibre Optic. These are designed to support high-performance unmanned vehicle requirements
- ▶ Applications can be used in varying market sectors, including Military, Aerospace and commercial drone and unmanned systems



MARKET SECTOR UNDERWATER UNMANNED VEHICLES (UUV)

- ▶ We design and manufacture high-performance cable assemblies engineered specifically for underwater unmanned vehicles. Built to withstand extreme subsea environments, our solutions deliver reliable power, signal integrity, and data transmission under high pressure, saltwater exposure, and dynamic operating conditions.
- ▶ Our assemblies support a wide range of UUV applications, including remotely operated vehicles (ROVs), autonomous underwater vehicles (AUVs), and subsea inspection systems. With robust sealing, corrosion-resistant materials, and precision engineering, we ensure long-term performance in mission-critical environments.
- ▶ Designed for mechanical robustness and electrical reliability, they offer:
 - ▶ High-pressure tolerance for deepwater deployment
 - ▶ Low signal loss for critical data transmission
 - ▶ Advanced sealing technologies for water ingress protection
 - ▶ Materials selected for long-term resistance to corrosion and biofouling
 - ▶ Suitable for integration into ROVs, AUVs, and hybrid subsea platforms.



MARKET SECTOR ROBOTICS

- ▶ Our cable assemblies for robotics are designed to meet the challenges of continuous motion, tight routing spaces, and harsh operating conditions.
- ▶ Using high-quality materials and precision manufacturing processes, we produce assemblies that deliver consistent electrical performance and long service life.
- ▶ We support a wide range of applications, including industrial automation, autonomous systems, and advanced robotics platforms.
- ▶ From prototype to full-scale production, we deliver reliable connectivity built for flexibility, durability, and performance in motion-critical environments.
- ▶ Built for Continuous Motion our cable assemblies are designed for high-flex and torsion applications, ensuring long service life in robotic arms, gantries, and automated systems.
- ▶ Engineered for Reliability we use high-quality materials and rigorous testing to ensure consistent performance in mission-critical environments.
- ▶ Custom-Designed Solutions from prototype to production, we provide fully tailored cable assemblies to meet your exact specifications.
- ▶ Fast Turnaround with agile manufacturing processes allow us to support rapid development cycles and scalable production.
- ▶ Our cable assemblies support a wide range of robotic systems, including:
 - Industrial automation & robotic arms
 - Collaborative robots (cobots)
 - Autonomous mobile robots (AMRs)
 - Medical & surgical robotics
 - Inspection and service robots



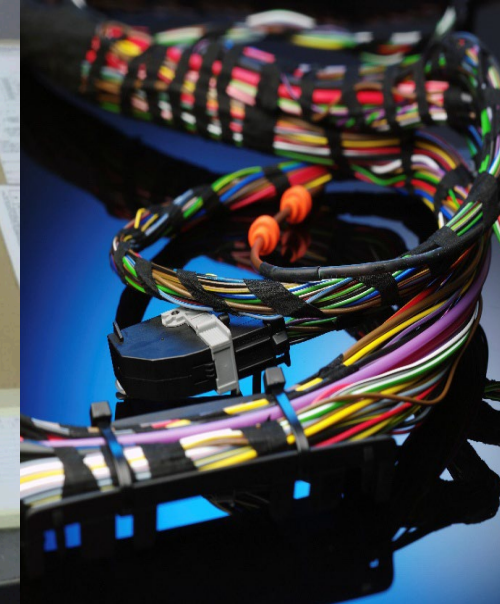
ELECTRICAL CABLE ASSEMBLIES

► Capability

- Custom-configured harness assembly
- Multi-branch high-complexity wiring harness
- Signal-integrity-driven cable assembly
- High-density interconnect solution
- Integrated cable management solution

► Military & Industrial-grade cable harness

- Durability – shock and vibration
- Environmental Resistance – temperature, moisture, salt spray, fuels, and chemicals.
- Shielding - against EMI and RF signals.
- Compliance Standards - AS9100 & IPC/WHMA-A-620
- Safety and Reliability - Multi-stage testing, including 100% electrical testing



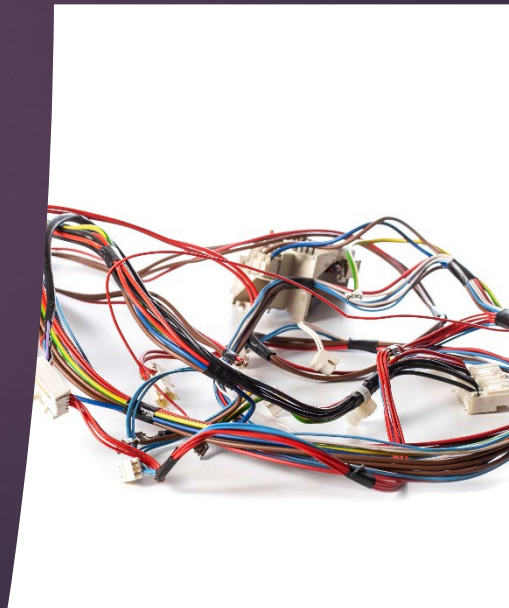
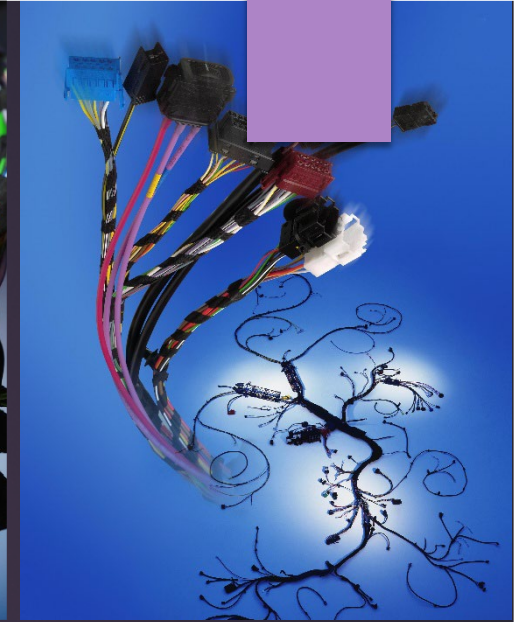
ELECTRICAL COMPLEX HARNESSES

Efficiency & Value

- Streamlined electrical integration
- Reduced installation complexity
- Plug-and-play harness solution
- Optimized for fast deployment
- Space-saving cable architecture
- Cost-efficient interconnect design

Industries / Applications

- Aerospace-grade cable assembly
- Automotive wiring harness
- Medical-device interconnect solution
- Industrial automation harness
- Robotics and motion-control cabling
- Defense-ready cable system



ELECTRICAL CABLE ASSEMBLIES

- ▶ Sealed Wiring Harnesses
- ▶ Typical construction for harsh environment military and aerospace applications
- ▶ Sealed using heat-shrink tubes and moulded parts
- ▶ Connector systems are usually circular military specification e.g. D38999
- ▶ Internal wires are usually electrically screened using braid or foil wrap



ELECTRICAL CABLE ASSEMBLIES

► Bespoke Multicore Cables

- Cable assemblies can be provided to give the customer the precise number, size, colour and specification of internal wires.
- Bespoke cable constructions can be hand-built using individual wires, braided screens and heat-shrink outer jacket.
- For higher volume requirements, bespoke multicore cables can be machine built with extruded outer jackets.



ELECTRICAL CABLE ASSEMBLIES

- ▶ Open Wiring Harnesses
- ▶ Typical construction for internal applications
- ▶ Wires bundles together using cable ties, lacing cord or tape
- ▶ Connector systems can be circular, rectangular or
- ▶ Electrical screening still possible on signal
- ▶ wires/twisted pairs



ELECTRICAL CABLE ASSEMBLIES

- ▶ Deployable Cable Reels
- ▶ Long length cable assemblies supplied on a reel or a drum.
- ▶ Bespoke cable constructions can be provided giving the customer the precise number and size of inner wires they require.
- ▶ Outer cable insulation selected to suit the environment.



ELECTRO-MECHANICAL ASSEMBLIES

- ▶ Box Builds
- ▶ Control Panels
- ▶ Sub-Assemblies
- ▶ Distribution units
- ▶ PCB Enclosures
- ▶ Metal and Plastic Housings



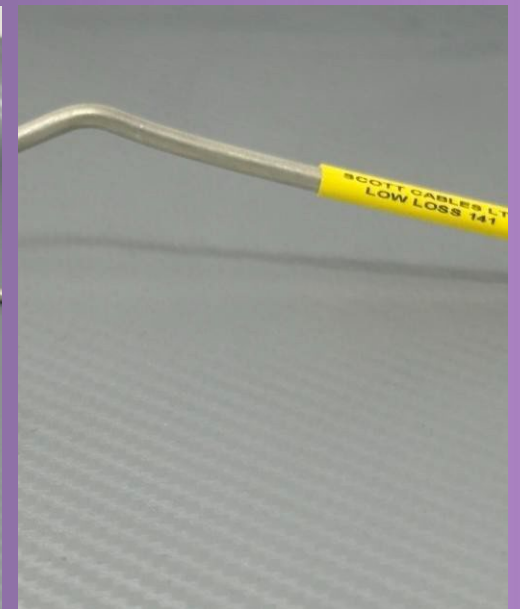
RF TEST CABLES

- ▶ Microwave Test Cables for RF applications
- ▶ Up to 110GHz
- ▶ Long Flex Life
- ▶ Phase and Loss Stable
- ▶ Times Microwave Series:- Silverline, Silverline SF, Silverline XF, Silverline VNA, Clarity



RF/MICROWAVE CABLE ASSEMBLIES

- ▶ Flexible RF Cable Assemblies – wide performance range of cables utilizing cable types such as LMR, FBT and Low and Ultra-Low Loss cables types up to 70GHz
- ▶ Semi-Rigid Microwave Cable Assemblies. Manual and auto-bend form capabilities
- ▶ Phase Matched (or delayed if required)
- ▶ 100% tested with plots submitted upon request
- ▶ High Performance up to 70 GHz
- ▶ Industry standard cable and connectors held in stock
- ▶ Automated Cable Preparation



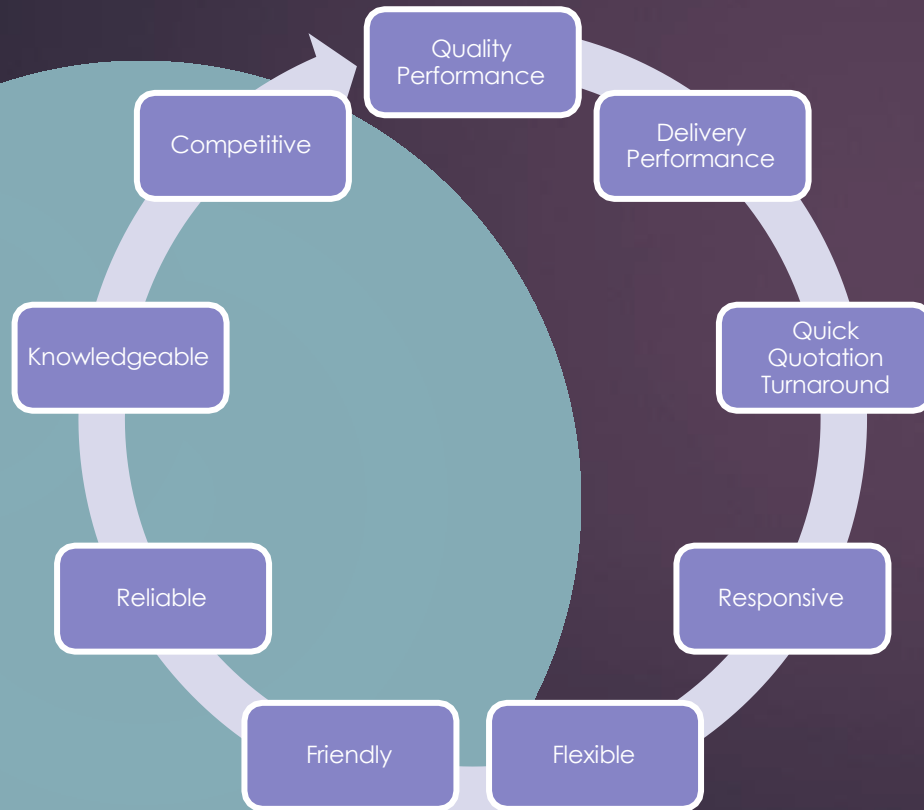
Quantum RF Coax

A division of Scott Cables Ltd

- ▶ Cable Assemblies for Quantum and Cryogenic Applications
- ▶ Flexible Cable Assemblies for Quantum and Cryogenic Applications
- ▶ Quantum/Cryogenic RF Connectors
- ▶ Box Build/Sub-Assembly Manufacture
- ▶ Custom Designs
- ▶ Testing Facilities up to 70GHz
- ▶ Forming available by both manual and CNC forming machine
- ▶ Thermo-cycling Chamber



Why Scott Cables?





THANK YOU!

Specialists in interconnecting solutions

www.scottcables.com