



# Clarke Cable

Your concept, our creativity.

## SPECIALISTS IN POWER & CONNECTIVITY



### CELEBRATING 50 YEARS OF BRITISH DESIGN & MANUFACTURING



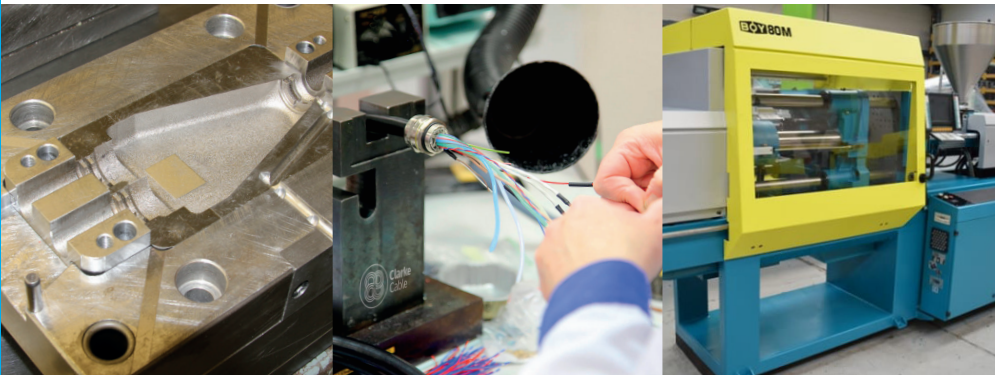
Specialist Cable Assemblies

2022/23

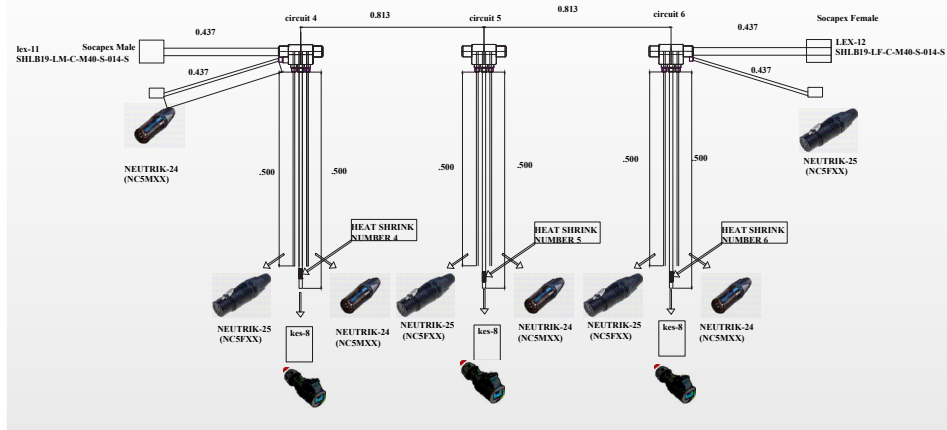
ANNIVERSARY EDITION



Years  
1972 - 2022  
Celebrating British Manufacturing



FROM DESIGN



TO MANUFACTURE



YOUR CONCEPT, OUR CREATIVITY

We have been manufacturing cable solutions for 50 years having been the UK's largest supplier of kettle cable assemblies for a large proportion of that time. Manufacturing has developed considerably over the years and we have evolved to become a **bespoke cable solution provider** as well as a single source manufacturer of cables, connectors and electrical harnesses.

We've found a huge demand for our wealth of experience in not just manufacturing but in design and **prototyping one-off cable assemblies**.

We excel at offering cables to customers which previously **didn't exist**. Customers were increasingly less impressed with other suppliers' cobbled together solutions made from off-the-shelf cabling and

instead came to Clarke Cable to help them develop something bespoke and better suited to the job.

Our motto "your concept, our creativity" really does sum up what we do. **We take your ideas and needs then develop them into a tangible solution** fit for the purpose in hand.



## A MESSAGE FROM OUR CHAIRMAN

"As Clarke Cable enters its 50th year, I'd like to take the opportunity to thank our customers for helping us to reach this milestone. Your support and trust in us are what drives our continued success, and what has made this fantastic achievement possible.

We are extremely proud to be celebrating 50 years of British design and manufacturing, all from our Congleton base in the heart of Cheshire. It has been a hugely rewarding journey, one which has given us the opportunity to work on a diverse range of unforgettable projects, from world famous live events and stadium tours, to vital national infrastructure systems.

We are now a key supplier to a number of different industries and have the ability to design and manufacture cable assemblies for almost any application worldwide.

As a member of Made in Britain, we are committed to supporting British manufacturing. I am delighted that recent investment has allowed us to expand on this commitment, with the addition of a wire loom and harness division to the production team. This has vastly increased our product offering over the last 12 months.

Clarke Cable has a great history of innovation, both in it's product

design and its manufacturing processes, that is important to preserve as we look forward to the next 50 years. As one of the first companies of our kind to introduce plastic recycling into our manufacturing processes, we take sustainability seriously, and we make many products as direct and practical solutions to problems of inefficiencies - saving customers time, energy and costs.

With recent events, including the Covid-19 pandemic and COP26, highlighting the challenges facing businesses and society, we will continue to invest in innovative and sustainable solutions to power and connect the technology of the future.

I am very proud of the company's work during the coronavirus pandemic especially, continuing to supply critical connections to the NHS and hospitals across Europe, as well as to the MOD, thanks to our resilient supply chain and our dedicated workforce.

Our principles of providing high quality and innovative products, excellent customer care, and a sustainable service have stood firm since 1972, and are what will guide us going into our next 50 years."

*Julian Baseley*  
Julian Baseley, Chairman

# 50 YEARS

Our story as we prepare to mark 50 years of high quality British manufacturing in 2022

1972

Clarke Cable is established on 15th March 1972 by Eric Clarke. Seeing an opportunity to improve the quality and service of cable manufacturing in the UK, Eric left his job as a salesman and decided to go it alone, setting up shop above a mill on the river Dane in Congleton.



1976

The company first moves into the building that will go on to become our current 25,000 sq. ft. headquarters and production site, just a stone's throw from the old mill of our formative years.



1980s

Clarke Cable is now the UK's largest supplier of electric kettle leads, manufacturing over 4 million units per year. If you had a cup of tea in the 80's then the chances are that the power to boil your water was delivered by a Clarke Cable!



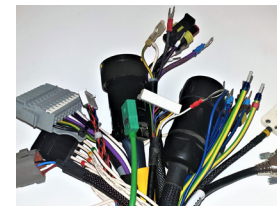
2022

Clarke Cable continues to invest in innovative and sustainable solutions to power and connect the technology of the future. We look forward to our 50th year with great excitement, continuing to build on our success, with a range of new product designs in the pipeline.



2000s

The acquisition of Stacey (Europe) Ltd adds a wiring loom and harness division to the company, with over 30 years of experience in the field. Our product offering is expanded to include wiring looms, control panels, distribution boxes, battery cable solutions, and other specialist cable assemblies. The company now supplies a wide range of industries with thousands of different cable solutions.



1990s

Major investment in our production facility gears Clarke Cable up for the 21st Century. Our factory now boasts over 50 injection moulding and crimping machines, as well as a tool room & over 300 different tool heads for moulding and crimping. We also have cable cutting machines, stripping machines, air press machines, ultrasonic welders, tape winders, soldering & electric screwdriver stations, plus a Quality Control & Testing room.



## WE WORK IN THE FOLLOWING SECTORS

### LIVE EVENTS AND THEATRE

We understand the modern demands of stage and performance producers and have been involved in producing some very special solutions for this sector. We work closely with many leading companies producing some of the biggest shows in the world.

### PROFESSIONAL AUDIO

Professional audio is a very significant sector for us, we have worked closely with some of the most respected audio manufacturers and service providers to produce cable solutions for the very best in audio quality and reliable use. We understand the demands of professional engineers who use this equipment.

### WATER TREATMENT

We work very closely with clients to produce custom cable installations for water treatment chambers. With uptime being a critical component to these pieces of machinery we have a solution which cuts the man hours from one day to just one hour.

### MILITARY

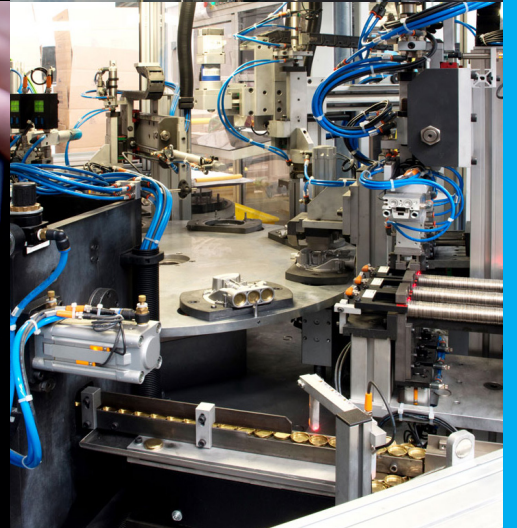
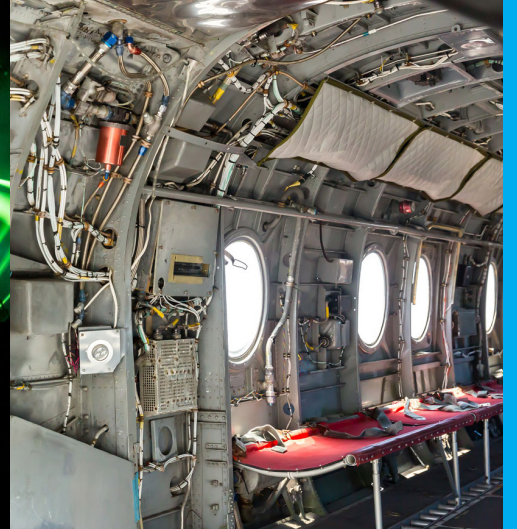
We're no strangers to hostile conditions, and pride ourselves in our ability to build solutions for the most demanding conditions in the world. There are few applications where durability and reliability are in higher demand than in military uses.

### MANUFACTURING

For manufacturers we offer highly efficient, reliable and durable solutions. We can produce cables for many different manufacturing facilities alongside our product cabling solutions. We work closely with this sector and have been at the forefront of British cable manufacturing for 50 years.

### MEDICAL

Our medical cable solutions are robust and reliable to ensure that a critical connection never fails. As an approved supplier to the NHS, we provide vital connectivity to hospitals and other sterile medical environments, with our innovative and fully antimicrobial cable assemblies.



## INDUSTRY SECTORS

### INDUSTRIAL CLEANING

We have worked with clients for many years in this sector including commercial and industrial cleaning applications, also producing unique connectors to help protect ongoing spares replacement sales. Additionally, in-house designs to enable one cable assembly to fit to various models with different connector interfaces.

### REFRIGERATION

We have worked with companies supplying chiller and freezer cabinets into major retail outlets across Europe and additionally to general refrigeration manufacturers. Our experience enables us to offer the correct answer for these demanding industries. This includes our highly durable TQ cable which is highly resistant to oil and grease.

### INDUSTRIAL CATERING

We have worked across a range of products for many years which are supplied into the hotel and catering industries for continual use. Clients include internationally renowned food chains. Industrial microwaves, ovens, water heating equipment and similar items are staple products we provide cabling for.

### CONSTRUCTION

Construction requires rugged, strong assemblies and the way we construct our assemblies makes them unbeatable for performance; tested on site to ensure durability and safety. We have supplied products for major construction projects from Crossrail to nuclear power plants. We also specialise in cable assemblies for tunnelling.

### ENVIRONMENTAL CONTROL

With all the focus on the environment this is an area that has expanded over the last few years and is set to grow. We are now working on more projects as diverse as wind turbines and electric cars. Our ability to supply across the spectrum of different types of cable means we can accommodate most requests for this type of activity.

### DOMESTIC AND INDUSTRIAL HEATING

This is an area which once again we have been serving for many years from large scale domestic fire manufacturers to smaller specialist manufacturers of heating and ventilation equipment being used for large scale buildings or factories.



# SPLITTERS

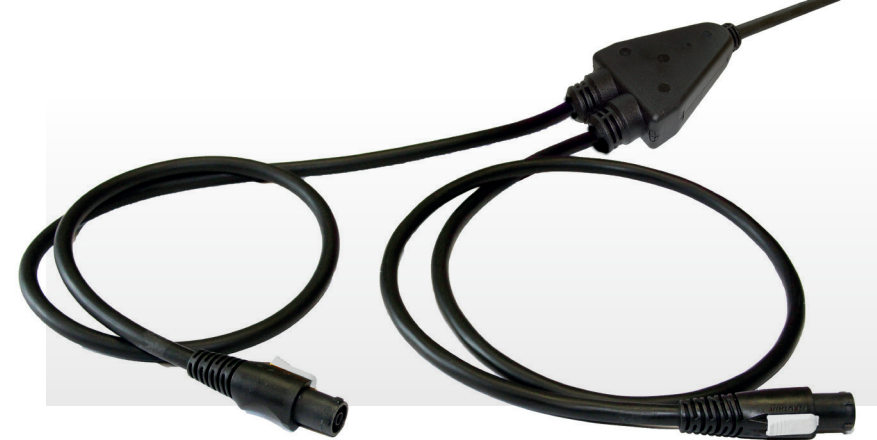
All Triple Insulated Internal Nylon Safety Cage. Fully over moulded IP44 or IP67 protection. Made in the UK and available 10V to 450V. Supplied Free ended or terminated with appropriate: **Ceeform, Neutrik, Scolmore IEC Lok, Volex VLock** or supplier brand of your choice.

Neutrik Powercon TRUE1 connectors are rated for "Make or Break" under load.

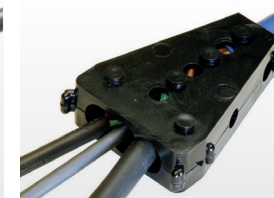
They provide a locking mechanism to prevent accidental disconnect, and are IP65 Rated for dust and water protection. Custom labelling and colour coding available.

Titanex 11 HO7 RNF 3 CORE 1.50mm<sup>2</sup>/2.50mm<sup>2</sup> Connectors Powercon TRUE1 Rating 20A, 250V AC UV resistant connectors.

INPUT	Y SPLITTER	TRI SPLITTER
H07RNF 3x 1.5mm	H07RNF 2x 1.5mm	H07RNF 3x 1.5mm
H07RNF 3x 2.5mm	H07RNF 2x 2.5mm	H07RNF 3x 2.5mm
H07RNF 3x 4.0mm	H07RNF 2x 4.0mm	H07RNF 3x 4.0mm
H07RNF 5x 4.0mm	H07RNF 2x 4.0mm	H07RNF 3x 4.0mm
H07RNF 5x 2.5mm	H07RNF 2x 2.5mm	H07RNF 3x 2.5mm
H05VVF 3x 1.5mm Arctic	H05VVF 2x 1.5mm Arctic	H05VVF 3x 1.5mm Arctic
H05VVF 3x 2.5mm Arctic	H05VVF 2x 2.5mm Arctic	H05VVF 3x 2.5mm Arctic
H05VVF 3x 4.0mm Arctic	H05VVF 2x 4.0mm Arctic	H05VVF 3x 4.0mm Arctic
Audio 8 Core 2.5mm	2x Audio 4x 2.5mm	
2x Power/Fibre composite		2x Power & 1x Fibre



Our Y-splitter ends have the cables secured with cable ties.

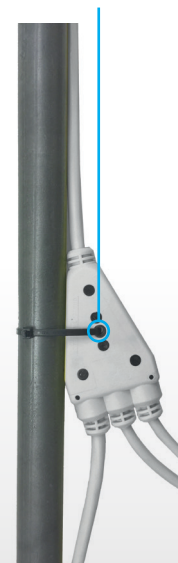


A strong nylon cage is secured over the wiring.



The whole splitter is then encapsulated into a sealed over-mould which is forklift-proof - IP65 rated.

Our splitters also feature a fixing hole option (for cable ties) that is secured with a nylon tube - there is no chance of exposed wires



## DESIGNED TO WITHSTAND THE TOUGHEST ENVIRONMENTS

Our Y Splitters and Tri Splitters have been designed to withstand even the toughest of environments.

We have tested our splitters to ensure they can remain in full working order even with a 3 Tonne manlift running over the units in use.

The full weight of the manlift (up to a tonne) has no effect

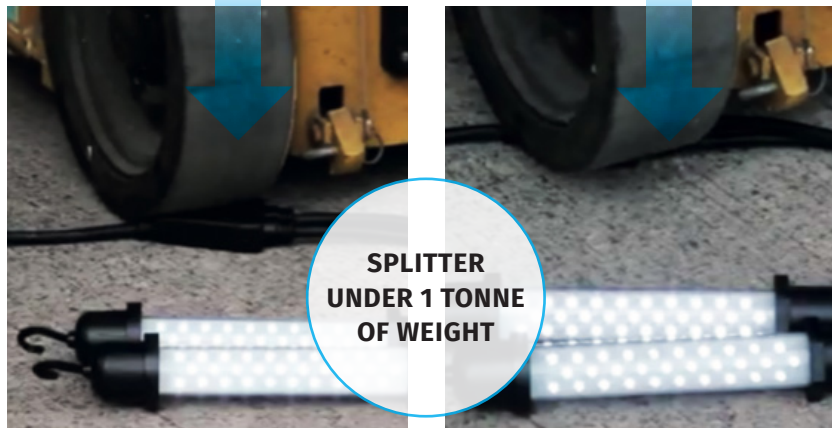
### SUPERIOR CONSTRUCTION AND OVER-MOULDING

Tested with 1 tonne of weight.



due to the separate internal heavy duty plastic cage of Clarke Cables product – see the video for yourself at [www.youtube.com/watch?v=EleWHvZL6vc](https://www.youtube.com/watch?v=EleWHvZL6vc).

Fully insulated securing apertures. A multiplicity of assemblies and connectors can be supplied – to meet your requirements.



## 3 PHASE AND SINGLE PHASE ASSEMBLIES

3 Phase cable assemblies available in a variety of amps and up to 5 core for use in splitters, PCE industrial plugs and sockets.

Ideal for use for mains supply, stage use, utilities, power generators, switchgear and electrical control systems.

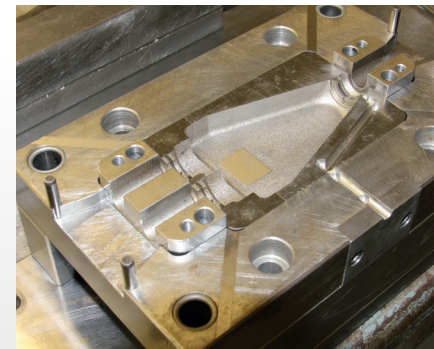


4mm 5 core Splitter rubber H07 cable with IP rated joint



3 Phase stage lighting power strings with cold-shrink rubber and custom desinged grommets for extreme durability, flexibility and waterproofing

Y Splitter mould tool from our in-house tool room



We manufacture infinitely variable power distribution systems using our best-in-class cable splitting technology

## POWER DISTRIBUTION SYSTEMS

Clarke Cable offer an almost infinite combined power and light festoon style power distribution systems.

Unlike distro style boxes with compression glands these are fully moulded to ensure the prevention of sand and water ingress. 16A 3 core flexible yellow Arctic grade cable available in 110V or 230V provide linear power system suitable for all types of site work.



Heavy duty moulded connections ensure these are suitable for the heaviest industrial use. Strong internal case encapsulates cables before over-moulding provides double strength connections. Power T drop type for power distribution.

Variable lengths 2.5mm<sup>2</sup> up to 100m with drops available to your requirements.

Any spacings can be provided with mix of lighting and power available. For use with lighting and small power tools. Also available in 4mm<sup>2</sup>.

## 32 AMP AND 16 AMP HEAVY DUTY “Y” AND TRI SPLITTERS

- Triple Insulated for maximum safety
- Inner nylon safety cage for strength and resilience
- IP67 or IP44 protection
- Variety of Ceeform plugs and connectors can be fitted with appropriate torque settings

### QUALITY AND STRENGTH

Built to the highest standard of resilience and product durability to cope with arduous touring environments.

### MAXIMUM FLEXIBILITY

Low minimum order quantity and fast turn around times.

### BRAND IDENTITY

Colour co-ordination and branding options available for circuit identification on site.

### ADDITIONAL OPTIONS

- Can be terminated with IP67 plugs and couplers or Neutrik Powercon
- Plugs or connectors
- All are fitted to appropriate torque setting
- Can be used to power Video Walls along with Clarke Cable Waterproofed Socapex Spider





# COUPLERS & CONNECTORS

PCE



MENNEKES



A CURRENT	V VOLTAGE	Hz FREQUENCY
<b>16</b> IP67	110	50 - 60
	240	50 - 60
	415	50 - 60
<b>32</b> IP67	110	50 - 60
	240	50 - 60
	415	50 - 60
<b>125</b> IP67	110	50 - 60
	240	50 - 60
	415	50 - 60

### MIDNIGHT BLACK MENNEKES

Also available in Midnight black purpose built for the events industry.



## POWER & DATA DISTRIBUTION

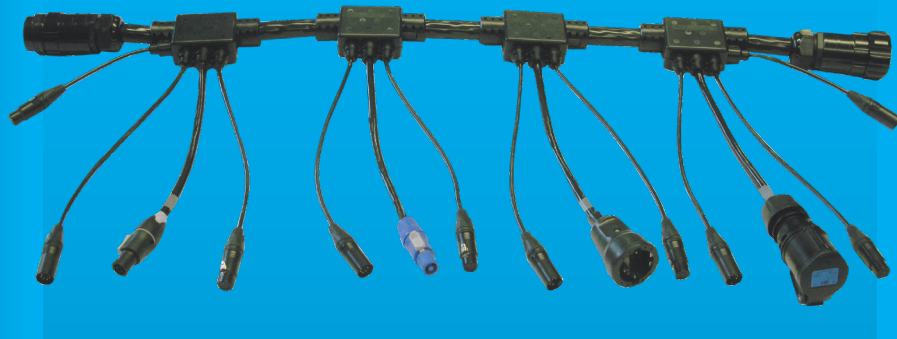
Clarke Cable excels and specialises in power and signal distribution, having developed clever and unique systems to deliver both power and data through a single cable.

This can be 2 circuits or as many as required. Including fibre optics or data cable with multiple breakouts at any variable positions along the length.

Specify any combination or mix of cabling to be contained within a central sheath being extremely robust and easy to keep in good condition. A versatile product for many areas including touring, concerts and exhibitions.

All products can be branded with your name and part number to help with identification and prevent loss of equipment on site.

Originally designed for Neg Earth Lighting.



## SOCAPEX AND DATA DISTRIBUTION STRINGS

- Triple Insulated for maximum safety
- Inner nylon cage for strength and resilience
- Indoor IP44 or Outdoor IP67 protection
- 18 cores of 2.5mm<sup>2</sup> (14AWG) power
- 1 pair DMX512 cable, extra-rugged, double-shielded, low capacitance Proplex brand

### ADDITIONAL OPTIONS

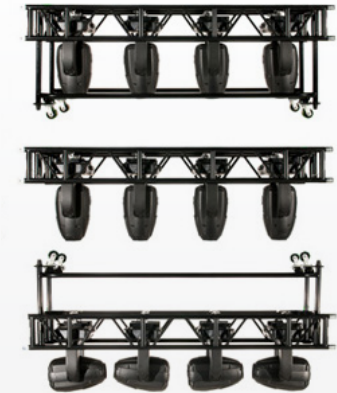
- 3 or 5 Pin Neutrik XLR
- Choice of connectors
- IP44 or IP67 protection
- 8' or 10' standard lengths
- Custom lengths available

### TIME SAVING

66% saving in pre-rigging time.

### MAXIMUM FLEXIBILITY

Lightweight and flexible construction triple insulated power breakouts. Sits permanently in your truss in 8' or 10' standard lengths.



## MAINS VOLTAGE SPIRAL CORDS

At Clarke Cable we understand how vital it is that a critical connection never fails, especially for medical applications.

The medical industry is increasingly dependent on connectivity to power the diagnosis and treatment of disease and injury.

We design and manufacture a wide range of reliable, durable and high quality assemblies for healthcare settings and other sterile environments.

Our curly cable is just one example of our designs currently used within palliative and intensive care wards. Built for the NHS, they have been tested to endure rigorous use on Emergency Room crash carts.



### FULLY ANTIMICROBIAL ASSEMBLIES

Antimicrobial cables reduce the risk of infection spread in healthcare settings, by killing microorganisms that come into contact with the cable, including bacteria (such as MRSA, VRE, ESBL and Staphylococcus aureus), viruses and mould.

Our fully antimicrobial cable assemblies provide built-in infection control, with no need for additional antimicrobial trunking.

The antimicrobial formula is integral to the plastic used in our products. So unlike other cable assemblies where antimicrobial agents are applied as surface coating, the active agents in our assemblies are still effective even if the cable is scratched or slightly damaged.

- Durable, high quality moulding to protect connectors and plugs
- Hard-wearing, high visibility and highly extendable & elastic cables built to withstand heavy usage on portable devices, and to avoid trailing cables and causing trip hazards



#### H05BQ-F 300/500V

- 3 x 0.75mm sq
- Orange, black
- 3 x 1.00mm sq
- Orange, black, grey

#### H07BQ-F 450/750V

- 3 x 1.5mm sq
- 3 x 2.5mm<sup>2</sup>
- Orange, black, blue, yellow



### FEATURES

- **Insulation:**  
Rubber 3GI3 according to VDE 0207 part 20
- **Sheath:**  
Polyurethane 11YM1 according to VDE 0250 part 818
- Harmonised, hydrophobic resistant against oils and acids
- UV resistant, abrasion-proof, high radiation resistance
- Halogen free, antimicrobial

Approved supplier to the



## PLUGS

Clarke Cable have been moulding electrical plugs for 50 years and are fully approved to meet the highest specifications. We offer a range of moulded and loose fit plugs and connectors to a large number of cables such as PVC, rubber, artic, LSOH and polyurethane.

Our range of plugs and connectors means that you can single source for a large number of countries. These can be fitted with a multiplicity of tags. We hold over 200 different tag applicators to ensure the widest possible number of options available.





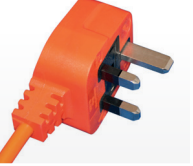



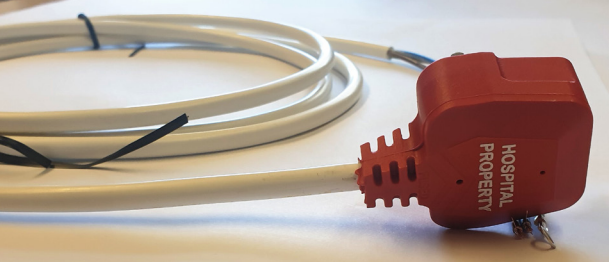
### WORLDWIDE 'PLUGS':

South Africa	Italy
Australia	Israel
Denmark	Europe
New Zealand	Switzerland
UK	North America

### REWIREABLE

			
<b>IMQ CEI 23-5 3 Pole 10A</b> Italian Plug Clarke Code: C36	<b>SI32 3 Pole 10A</b> Israel Plug Clarke Code: C20	<b>SEV-1011/IEC 60884 3 Pole 10A</b> Swiss Plug Clarke Code: C27	<b>Euro/Schuko</b> Quality German manufactured

### NON-REWIREABLE

			
<b>IEC 60884-1 3 Pole 15A</b> Moulded Plug South African Clarke Code: C10	<b>CEE-7XV1 2 Pole 2.5A</b> Moulded Euro Plug Clarke Code: C12	<b>IEC 60884-1 3 Pole 10A</b> Moulded Danish Plug Clarke Code: C13	<b>CEE-7XV11 2 Pole 16A</b> Moulded Euro Plug Clarke Code: C9
			
<b>CEE-7V11 Schuko German Waterproof 3 Pole 10/16A</b> Moulded Euro Plug IP44 Clarke Code: C15	<b>BS 1363/A Pt 1 1995 3 Pole UK Plug</b> Clarke Code: C18M	<b>BS 1363/A Pt 1 1995 3 Pole UK Plug (Orange)</b> Clarke Code: C18M	<b>AS/NZ53112 3 Pole 10A 250V</b> Australian & New Zealand Plug Clarke Code: C3
			
<b>NEMA 1-15P 2 Pole 15A</b> North American Plug Clarke Code: C6	<b>AS/NZ5 3112 2 Pole 10A 250V</b> Australian & New Zealand Plug Clarke Code: C4	<b>5-15 3 Pole 15A</b> North American Plug Clarke Code: C5	<b>Schuko CEE-7V11 3 Pole 16A 250V</b> Moulded Euro Plug Clarke Code: C7
			
<b>Schuko CEE-7V11 3 Pole 16A 250V</b> Moulded EuroPlug Clarke Code: C8	Printing facilities available, for company logos, "hospital property" markings, or any customised markings on most assemblies.		

# CONNECTORS

We also have 50 years of experience in moulding electrical connectors. They are fully approved by various bodies to meet the highest specifications. Our range of moulded and loose fit plugs have approvals to fit to a large number of cables such as PVC, rubber, artic, LSOH and polyurethane.

Cold and hot condition 10A, 2 pole and 3 pole, straight and angled up to 16A to suit a wide variety of applications.

## NON-REWIREABLE



**3 Pole 10A**  
Hot Condition Connector  
**Clarke Code: C1**  
Int'l Code: C15



**3 Pole 10A**  
Non Rewireable Cold Condition Connector  
**Clarke Code: C11**  
Int'l Code: C13



**3 Pole 10A**  
Non Rewireable Straight Connector  
**Clarke Code: C16**  
Int'l Code: C13



**2 Pole 10A**  
Non Rewireable Straight Connector  
**Clarke Code: C17**  
Int'l Code: C17



**3 Pole 16A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C19**  
Int'l Code: C19



**3 Pole 10A**  
Cold Condition Connector  
**Clarke Code: C2**  
Int'l Code: C13



**3 Pole 10A**  
Cold Condition Connector (Orange)  
**Clarke Code: C2**



**3 Pole 10A**  
Non Rewireable Straight Male Connector  
**Clarke Code: C21**  
Int'l Code: C14



**3 Pole 10A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C22**  
Int'l Code: C15



**3 Pole 10A**  
Non Rewireable Angled Male Connector  
**Clarke Code: C23**  
Int'l Code: C14



**3 Pole 16A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C24**  
Int'l Code: C19



**2 Pole 10A**  
Non Rewireable Angled Female Connector  
**Clarke Code: C25**  
Int'l Code: C17



**3 Pole 10A**  
Non Rewireable Straight Connector  
**Clarke Code: C26**  
Int'l Code: C13



**3 Pole 16A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C28**  
Int'l Code: C19



**3 Pole 16A**  
Non Rewireable Angled Female Connector  
**Clarke Code: C29**  
Int'l Code: C19



**2 Pole 2.5A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C30**  
Int'l Code: C7



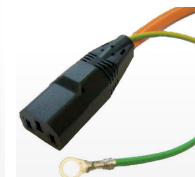
**3 Pole 2.5A**  
Non Rewireable Straight Female Connector  
**Clarke Code: C31**  
Int'l Code: C5



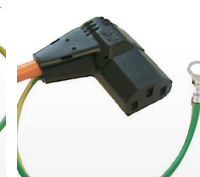
**2 Pole 16A**  
Right Angled  
**Clarke Code: C32**  
Int'l Code: C19



**3 Pole 110V**  
American Non Rewireable Connector  
**Clarke Code: C33**  
UL817 & 498



**3 Pole 10A**  
Straight Cold Condition Connector with attached earth wire  
**Clarke Code: C34**  
Int'l Code: C13



**3 Pole 10A**  
Angled Cold Condition Connector with attached earth wire  
**Clarke Code: C35**  
Int'l Code: C13



**2 Pole 10A**  
Non Rewireable Angled Male Connector  
**Clarke Code: C37**  
Int'l Code: C18



**Clarke Code: C39**  
Y Connector



**3 Pole 16A**  
Non Rewireable Straight Male Connector  
**Clarke Code: C40**  
Int'l Code: C20



**2 Pole 10A**  
Non Rewireable Straight Male Connector  
**Clarke Code: C41**  
Int'l Code: C18

## EVENT INDUSTRY LEADS

Clarke Cable can provide a wide range of specialist cables specifically for the AV and Event industry.

Break Out's, Break In's, Fan Out's, Fan In's, Motor Fan Out's, Motor Fan In's, Splitters, Spiders and even Rubber Chickens - we can supply them all!

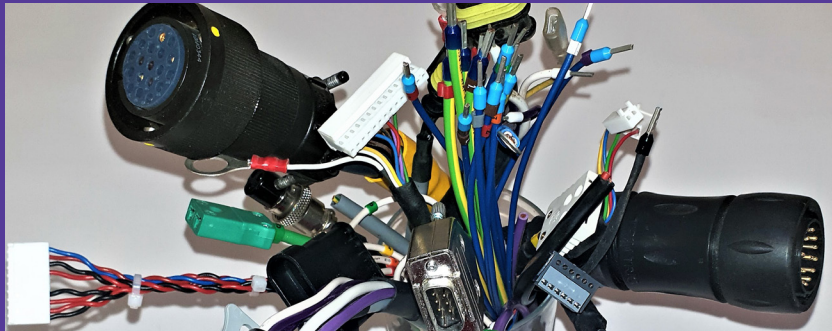
			
<b>125A 3P Plug to Powerlock Adaptor</b>	<b>15A Cable Splitter Moulded Plug / C60 Y Splitter / Permaplug Sockets P/N EC0006</b>	<b>16A Tri Splitter</b>	<b>16A 1PH Extension Cable with Midnight Black Plug and Couplers</b>
			
<b>16A Multi Splitter to Splitter - design your own configuration</b>	<b>16A Extension Leads with Clarkes Grommet (Grommet optional)</b>	<b>16A Two Way Splitter with Midnight Black Plug and Couplers</b>	<b>20A PowerCON True1 Splitter P/N EC0005</b>
			
<b>5pin DMX Lighting Control Cable Lead</b>	<b>63A 3 Phase Plug to 125A 3 Phase Socket</b>	<b>American Extension Splitter Cords Twist Locking</b>	<b>Female Socapex Spider 1mt Leads with 15A Plugs (Fan-In) P/N EC 0002</b>

			
<b>Female Socapex Spider 1mt Leads with 16A Plugs (Fan-In) P/N 0001</b>	<b>Male Socapex Spider 1mt Leads with 15A Sockets (Fan-Out) P/N EC 0003</b>	<b>Male Socapex Spider 1mt Leads with 16A Black Sockets (Fan-Out) P/N EC 0004</b>	<b>PowerCON True1 Tri Splitter</b>
			
<b>Socapex to True 1 Spider Fan Out</b>	<b>Socapex Extension's</b>	<b>Tri Splitter Free End P/N C61</b>	<b>Y Splitter Free End P/N C60 (16A splitter)</b>
			
<b>Miscellaneous Floorcare products available in variable lengths</b>	<b>Miscellaneous Floorcare products available in variable lengths</b>	<b>Miscellaneous Floorcare products available in variable lengths</b>	<b>Miscellaneous Floorcare products available in variable lengths</b>
			
<b>Miscellaneous Floorcare products available in variable lengths</b>	<b>Miscellaneous Grommets</b>		

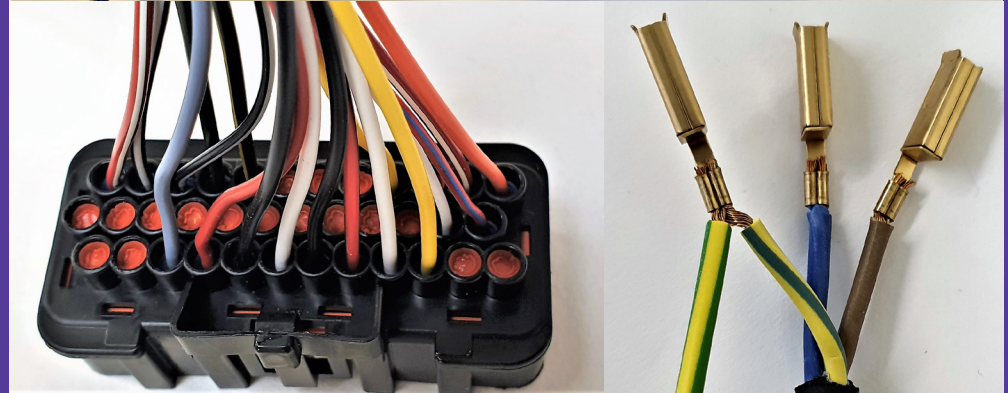
## WIRING LOOMS AND HARNESSES

Clarke Cable has over 30 years of experience in this very specialist field and a fantastic reputation for producing high quality wiring looms and harnesses for a wide range of applications and industries, including:

- Electric and Hybrid Vehicles
- Professional Audio
- Public Service Vehicles
- Medical and Healthcare
- Commercial Vehicles
- Water Treatment
- Military
- Live events and Theatre
- Heating, Ventilation and Air Conditioning
- Manufacturing



- Wiring looms
- Flat ribbon cable
- Cable harnesses
- Splicing, soldering and tinning
- Control panels
- Sleeving and shielding
- Distribution boxes
- Bundling and securing
- Power and battery cable solutions
- Automatic and manual crimps
- Molex, JST, and bespoke custom tooled components
- Specialist cable assembly
- Diagnostics



## WIRING LOOMS AND HARNESSES

Clarke Cable manufactures custom wire harness assemblies with limitless different configurations and requirements. We have some of the most advanced manufacturing facilities and extensive experience at delivering high tolerance and consistent quality every time.

### OVER MOULDING

Through utilising our in-house injection moulding machines, we're able to produce moulded cable assemblies that are waterproof, making them suitable for harsh environments. Our mouldings have the ability to withstand shock, continual flexing and vibration without damage at any point to the assembly itself.

### AUTOMATIC CUT, STRIP & CRIMP

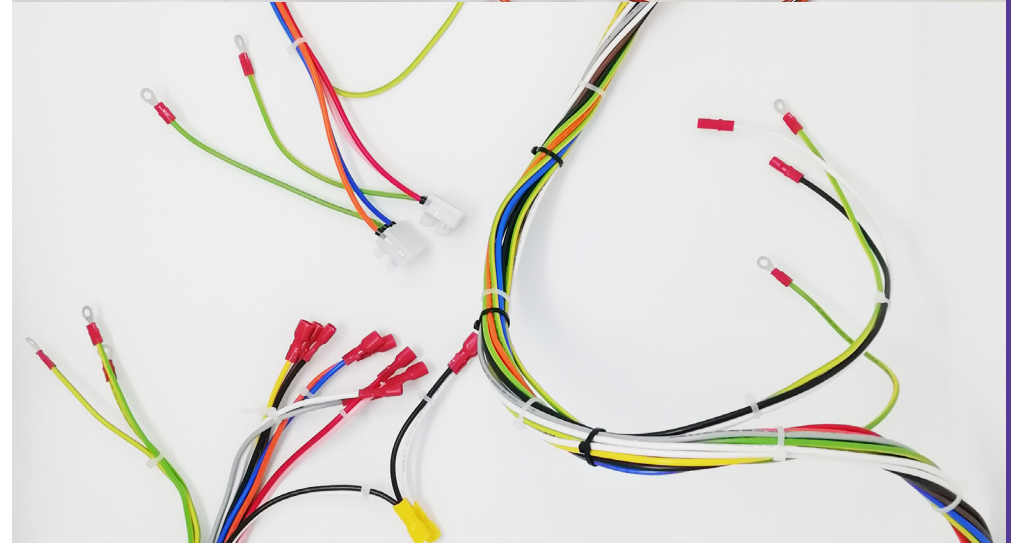
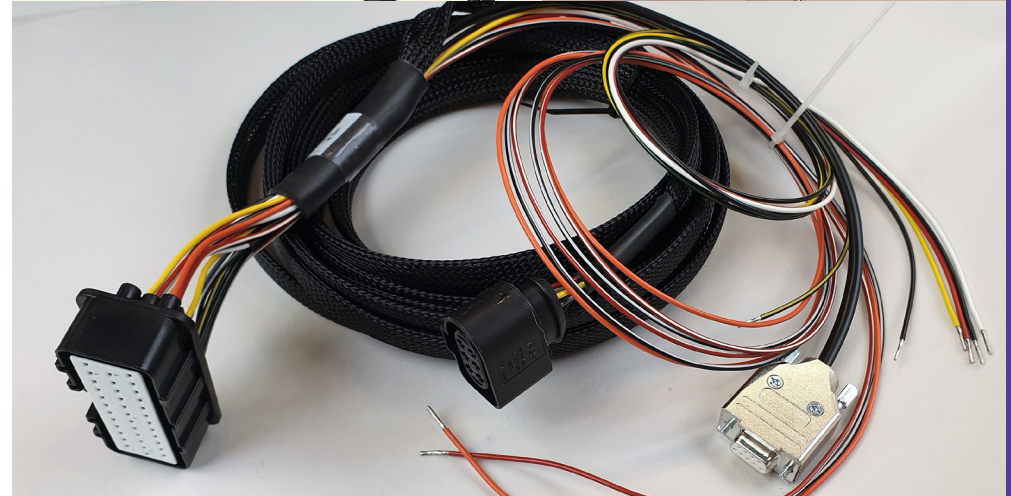
By using our extensive range of fully calibrated, Cutting, Stripping & Crimping machines, cable assemblies can be supplied with terminations and to any length, colour and pin configurations – we can supply both shielded and unshielded versions.

### ISO9001 AND BSI ACCREDITED

We produce all our cables and assemblies in the UK, to a very high standard using high quality components assembled via our specialist teams. Our agility and adaptability as a business means we can often accommodate shorter production runs and even shorter lead times.

### QUALITY/TESTING

Our in-house quality and testing department ensures only the highest quality products leave our facility. All assemblies are tested and checked, both visually and electronically for continuity and compliance.





## LIGHT

We cut set up time by over 66% utilising our lighting looms on pre-loaded trusses enabling fast plug and play set up, with part number tagging available including logo branding.

Used at many festivals and concert tours, they have a proven track record of reliability and efficiency during installation and break-down. Events include fast set-up lighting cabling for the world-famous Glastonbury Pyramid stage.

### QUALITY AND STRENGTH

Built to the highest standard of resilience and product durability to cope with arduous touring environments.

### MAXIMUM FLEXIBILITY

Low minimum order quantity (please enquire) and fast turnaround times with quality assured.



We have developed our own design of waterproof Socapex and supply all types of Neutrik and other connectors to offer the full array of cable for lighting systems.

## WATERPROOFED SOCAPEX SPIDER

- Eradicates water ingress at rear of connector
- Eliminates the “water well” associated with traditional Socapex
- Individual water seal on each leg of the Spider
- Cable has its own strain relief for maximum support
- Increases the IP rating of complete assembly
- Can be “Fan In” or “Fan Out” orientated
- Initially designed for XL Video

### ADDITIONAL OPTIONS

- Can be terminated with IP67 plugs and couplers or Neutrik Powercon
- Plugs or connectors
- All are fitted to appropriate torque setting
- Can be used to power Video Walls along with Clarke Cable Power Y Splitter



Clarke Cable were also chosen to supply cable strings to power 840 LED strobe fixtures for use on the Beyoncé Formation World Tour during 49 performances.

## SYNTAX FOR QUALITY COLOURED LOCKING RINGS

### RUBBER COATED

The rubber coated version of the locking ring is now available also on the SSX 19 pin and 16 pin connectors series. For quick identification of your cables through colour coding, four different colours are available: black (standard), red, blue, yellow. For other colour options, feel free to contact our sales department.

Below the rubber coat, we maintained the characteristics of our proprietary heavy-duty metal ring, that has been universally appreciated and has set a new standard in the industry as for strength and durability. The thoughtful design of the locking-ring ensures optimal grip on the

whole circumference and easy coupling. The thick wall inner metal ring, in fact, provides unparalleled resistance to all possible forms of abuse.

It represents an evolution of the rubber-coated rings commonly found on the market and solves the problem of their being mechanically weaker compared to all-metal construction rings.

### COLOURED ANODIZED LOCKING RINGS

Available colours on request:  
Blue - Red - Gold - Green -  
Purple - Silver



## PANEL AND INLINE VERSIONS

The SYNTAX SSX series, designed for professional lighting applications and totally compatible with standard Socapex 419 series, is extremely robust being made of thick wall construction machined aluminium alloy, with hard wearing black painted or anodized finish.

The thermoplastic insulating insert enables the use of removable contacts, either crimp or solder.

The unit is completely IP67 watertight when mated.

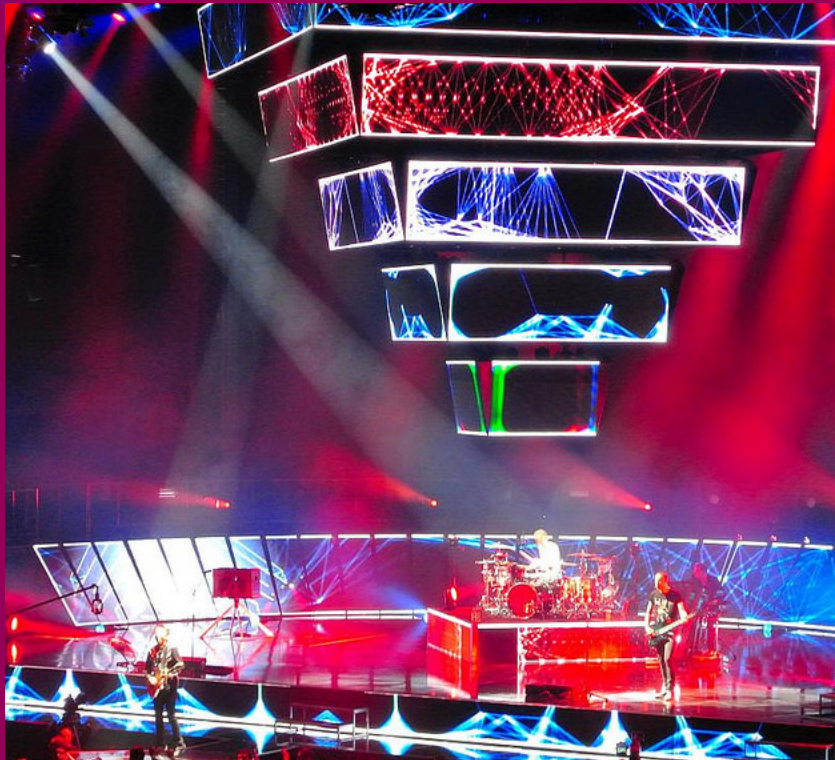
Electrical safety and compliance are guaranteed by internal insulation of the shells, obtained through a safety insulating sleeve preventing electric shock, as well as “first make last break” ground contacts. Grounding rings allow bussing of the ground contacts. Locking rings and back shells are designed for easy handling.



## VIDEO VISUAL

Clarke Cable work with some of the biggest names in the Events and Media Industries to deliver the highest quality visual productions. Our innovative designs are used for concerts, music tours and festivals, corporate events and conferences, as well as theatre, film and TV productions worldwide.

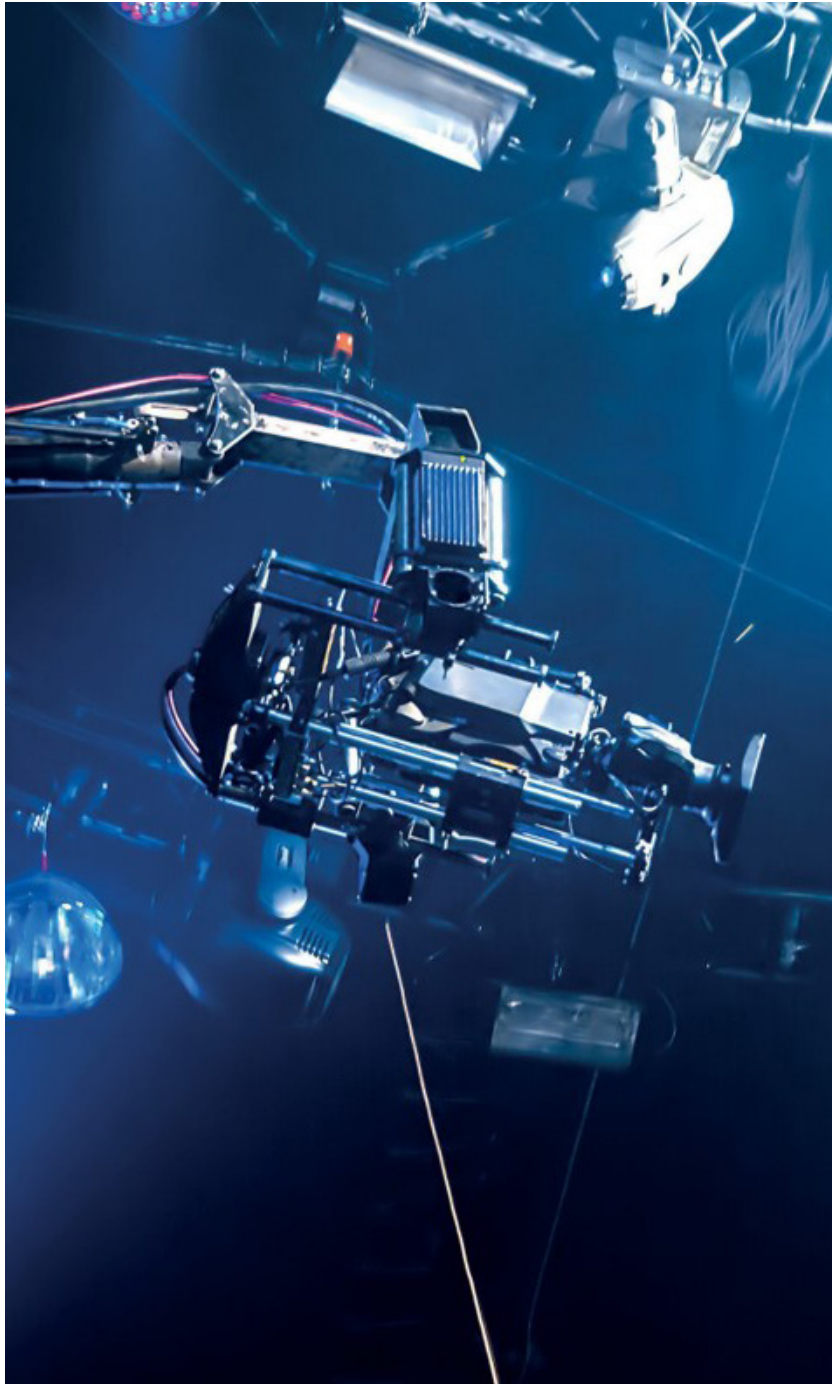
Our video solutions allow playback content or live footage to be displayed with no loss of signal quality, while our elegant and efficient designs reduce setup and breakdown times. Our expertise in cable-splitting technology and our philosophy of continuous development and improvement make Clarke Cable the ideal partner in this highly specialized field.



We supplied the complex video cabling for the **Muse tour** which featured the **flying video pyramid wall for 124 shows**. Although highly complex cabling, this was supplied in a simple plug and play format to make set-up and break-down a very simple process. The cabling easily withstood the rigours of

the tour with excellent feedback. A similar requirement was supplied for the BMW stand at the Frankfurt Motor show where BMW were launching their new i3 and i5 electric cars. The extremely dynamic presentation required the very best video supply cabling.





## MULTIPLE POWER/MULTI-MODE 4 CORE FIBRE

- 2 mains power circuits terminated with choice of IEC /Ceeform /Neutrik power connectors
- Multi-mode rugged fibre cores
- Fibre terminated with Neutrik or Lemo connectors

### MULTIPLE POWER/CAT 5/6/7 FOR LED WALLS

- 2.5mm<sup>2</sup> for full 16-amp load power circuits
- Rugged Cat 5/6/7 for data management
- PUR over sheath for durability

### POWER/CO-AXIAL/CAT 5 FOR PROJECTION SYSTEMS

- Power/Signal/Control in 1 cable with chosen terminations
- Up to 32-amp power with choice of power connector
- Rugged outer sheath for maximum protection

### TIME SAVING

Our single cable solutions decrease set up/tear down times.

### BRANDING

Branded with your name/part number to aid identification.

### ADDITIONAL OPTIONS

- Made & terminated as coiled drums or flight cased
- Full repair and back up service available

Originally designed for AtoV.



*“Genius solution”*

## AUDIO

We have been supplying to the audio industry for decades and have worked with extremely valuable silver-plated cable for the finest hi-fidelity sounds.

Approved suppliers of **Pinewood Studios and PRG**, who are powering fixed theatre systems and hard-working touring systems for concerts and festivals.

We are proud to have worked with Martin Audio developing **highly specialised cabling** to power their satellite speakers which needed **8 channels of audio – requiring 16 cores**.

They are recognised in the industry for providing superb professional sound systems.

Years of experience with multi-cable requirements and multi-break out points means we are an ideal partner for this type of manufacturing. Clarke Cable is a one stop cabling solution provider globally.

All products can be branded with your name and part number to help with identification and prevent loss of equipment on site.



## IP67 SPEAKER CABLE BREAKOUT

- Splits 8 core into two 4 cores
- PUR jacketed cables for maximum UV and water protection
- Can be terminated with a variety of speaker connectors with strain relief
- Each cable has its own strain relief for maximum support
- Colour circuit identification
- Velcro strap for ease of securing during transit
- Initially designed for Martin Audio



### UNBEATABLE DURABILITY

Rugged tough construction of cables means that they can cope with the most frequent of use for your 'on the road' environment.

### SAVES MONEY

Branded with your name and part number to help with identification and help prevent loss of equipment on site.

### ADDITIONAL OPTIONS

- Power/Cat 6/Audio composites for powered arrays
- Power/Fibre composites for front of house applications
- Speaker cable multiples available in 2 or 3-way splits



### TIME SAVING

Our single cable solutions dramatically simplify, and decrease set up and tear down times.



## THE ARCADIA SPECTACULAR

### 10KM CUSTOM CABLE - 800 POWER /DATA CONNECTORS

#### THE PROJECT

To facilitate speedy on-site deployment, Clarke Cable was selected to design and manufacture a suite of power and control cable systems. The entire system was manufactured using Polyurethane as the main insulator over the traditional rubber.

At the heart of the solution a modified form of Clarke's ground-breaking combined Socapex Power and DMX solution was employed. This single cable system combining 6 circuits of power and continuous DMX control was installed into the 8m legs of the structure and a second derivative was

also created to fit around the underbelly pod. These single cable runs replaced the conventional Socapex spiders and single DMX jumper cables.

In addition, a raft of assorted Clarke Cable power splitters, DMX extensions, power extensions, Socapex extensions, Cat5e Ethercon, and Powerlock cables. Every DMX and Ethernet connector, Socapex connector and Neutrik true-1 connector were fitted with drip boots.

"Wipe clean" polyurethane insulation was chosen as it offers the best protection from the risk of hydraulic oil leakage from the 3 cranes that tower

above the structure. As a result of these potential hazards, as well as the structure being open to the elements from the biofuel ignited as part of the sensory sparking spectacular that is Arcadia. Our design withstands power cleaning to remove airborne spores as the structure travels the globe.

Launched at Glastonbury 2016. The whole process from initial meeting to full deployment was 5 weeks, an unbelievable accomplishment.

Following the success of the initial cable deployment Arcadia again chose Clarke Cable to supply an additional suite of communication cables. This solution included composite cables consisting of 4 off analogue star quad, 2 off

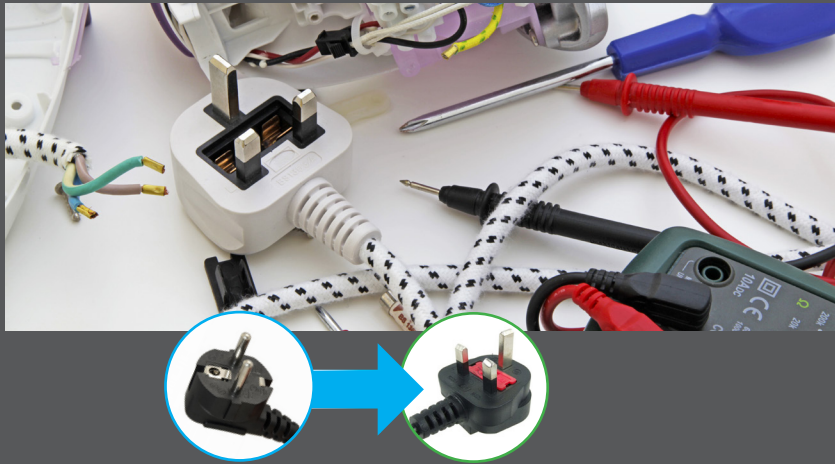
ruggedised screened ethernet and a single run of 16 amp of power. Additionally, a range of Clarke's moulded audio Splitters, XLR extensions and power cables were supplied. For this particular upgrade the lead-time from quotation to delivery was 3 weeks.

A staggering total of 10km of custom cable solutions, utilizing over 800 power and data connectors, have been created and delivered on time.

*"It's the most durable cable solution I have ever used which saves up to 200-man hours per install. That also extends to lower stress levels and less contingencies and allows us to deliver a better show"*

Dorian Cameron-Marlow  
the Deputy Tech Manager

## REWORKING AND RECONFIGURATION



Plug reworks and replacement is one of the most common operations on electrical appliances, whether it is UK three pin to European Schuko or vice versa. Clarke Cable offers options for Plug top replacement which can be fully moulded or rewirable, including all the required relevant tests.

If electrical appliances need testing or reworking prior to them entering the retail environment then as a company you need the peace of mind that the tests are undertaken professionally, correctly and have complete traceability. The Clarke Cable electrical safety testing service provides the entire supply chain of

manufacturers, distributors, importers and retailers of electrical appliances a wide range of high-quality electrical rework and testing options.

Faulty product can arrive in many guises; electrical wiring, mechanical assembly, faulty components, design faults, inaccurate torque settings, incorrect or no critical sundry components packed with the appliance, or simply incorrect labelling and packaging.

The Clarke Cable electrical rework department offers a cost-effective professional service, which is able handle any recall issues your company may be faced with.

Our expertise is so highly valued by our customers that many of them come to us to investigate issues with other products, through our diagnostic and reworking services.

We offer a comprehensive service for products which need to be improved or adapted for any reason, including adaptations for regional compatibility, to improve the quality of plugs and mouldings, and to fix manufacturing defects (to avoid costs and delays from returning stock to origins like China).

All reworked products can be repackaged and resealed as new, and all reworked products are fully tested prior to being returned to you.

Our Quality Control and Reworking department has vast experience, technical knowledge, and is dedicated to maintaining the highest standards that set us apart from other manufacturers.

We can reconfigure your products to meet any global plug specification, undertake a full diagnostic service for faulty products, or even carry out a complete internal rewiring to repair any electrical appliance that is not operating as it should, from SDA's to large white goods.



## QUALITY

**Our mission is to make Clarke Cable the gold standard** by which other cable and connector products are measured.

**The high quality and reliability of our products is at the forefront of our approach,** with regular quality control testing and inspection during each stage of production.

**Our reputation for the highest quality design and manufacturing has been built over 50 years,** with many of our current engineers having been with the company for over three decades themselves.



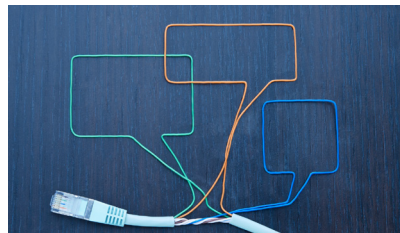
**We are certified and operate to ISO 9001:2015 standards of quality management,** and we hold BSI, UKAS, TUV, DEKRA and SAI approvals and accreditations. We can gain approval to any standards necessary to accommodate individual customer requirements.

## CUSTOMER SERVICE

**Short lead times, flexibility, best pricing, and attentive after-sales support** help us to stand out above the rest.

We see our customers as our partners, and know that only the very best will do. With custom designed assemblies a key part of our offering, we will cater to all your specialist requirements with no fuss.

In the unlikely event that your needs fall outside of our current capabilities, we won't hesitate to invest in our production line in order to meet your demands.



**At Clarke cable we go the extra mile for our customers,** in order to fully understand their needs and to provide them with the best possible service.

We are extremely proud of our customer relationships - physical connections are just as important to us as electrical ones!

## PRODUCTION

**We manufacture 100% of our products in our purpose built 25,000 sq. ft. headquarters in Congleton, Cheshire.**

The site is home to an extensive range of equipment, and a highly skilled and experienced team of engineers and designers. This large capacity and expert knowledge allows for production of multiple complex assembly projects simultaneously.

**No job is too big or too small,** with small batch specialist products available alongside large scale production capacities.



## LOGISTICS

**With over 1.5 million pieces of product and components in stock,** we can turnaround orders in a short time, whether you need 100 units or 100,000.

Large external space near our loading bay can accommodate HGVs and multiple goods in and goods out deliveries at the same time.

We have a team of dispatch workers to pack and ship just-in-time orders worldwide, maximising the efficiency of our customers' supply chains.







# Clarke Cable

Your concept, our creativity.

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Approved suppliers to



Quality Guaranteed

