



ELAND[®]
CABLES



DATA CENTRES

Powering a sustainable digital future



WHY US?

Jean-Sébastien Pelland Executive Director



Eland Cables is in the exciting position of being at the centre of a generational shift-change in the energy landscape. Digitalisation is a central to this transition, alongside electrification, industrial automation works, and of course embracing green energy generation. Cables are essential for all of them.

Data Centres are the unseen link in our everyday lives - so integral that little functions without them. In turn, the cables connecting these data centres are a crucial but often overlooked component.

We're working on hyperscale projects across EMEA where downtime is not an option, network integrity is paramount, timelines are tight, and demands are high.

It's not just the data centre itself, it's the wider infrastructure too - connecting medium voltage grid networks, and integrating green energy installations, battery storage solutions, and EV infrastructure builds.

What stands us apart from others is not just our track record of delivering cable solutions to industry, but our commitment to excellence. It's in every interaction with you: from our customer service to the unapologetically rigorous testing regime conducted on our cables before we'll release them for delivery to site; and in our sustainability actions that see us taking a leading role in our industry.

Why Eland Cables? With us, you combine global reach with a trusted 'local' service. Our experienced multilingual teams are focused on providing the cables, accessories, and support services your project needs, going the extra mile each and every time.

When cables are part of your project's critical infrastructure, and project success is dependent on meeting timelines and ensuring operational reliability, we're the cable partner that will help you deliver.



OUR APPROACH



Eland Cables is a power, data, control and instrumentation cable supplier working closely with consultants, contractors, and customers to deliver high quality solutions worldwide. We combine our cables with technical expertise, tailored logistics, project management, and a strong drive for sustainability. We have an extensive stockholding available for immediate despatch, and we offer some of the shortest manufacturing lead-times in the industry.

Our quality assurance is truly unique. The Cable Lab[®], our specialist in-house testing facility, provides a rigorous regime accredited to IEC 60332-1 and IEC 60332-2, whilst our medium and high voltage cables have an additional level of scrutiny under the BSI Cable Verification Kitemark[™].

We have always put customers first. We've done this by investing in our people and creating a culture of excellence. We constantly innovate and through collaboration with our stakeholders we deliver exceptional results.

A tailored solution on a global scale

YOUR PROJECT

Our solutions for data centres are built around a collaborative approach with a team that's always available, whenever you need them. We've delivered projects, and continue to support operations across the globe, ensuring the highest standards of quality and compliance, full traceability, and meeting strict development timelines to bring systems online.



CUSTOMER FOCUSED SERVICES

Our project support services are focused on adding value and providing solutions. We work in partnership with you to carry out a build that's run against agreed project milestones. By working with experts in their field you have access to the information you need to keep the project on-track.



WORLD-LEADING LABORATORY

Rigorous testing ensures our cables are in optimum condition to be despatched to you. From audits of manufacturing sites to inbound goods testing and pre-export checks, we tightly control the cables and accessories we supply.



TAILORED LOGISTICS

Our European distribution hubs and large fleet means deliveries next-day from stock across Europe or against specific project schedules. With drivers trained to handle cables, your delivery arrives on time, ready for installation.



SUSTAINABILITY ACTIONS

Our actions can bring benefits to your project. Environmental sustainability is just part of our wider ESG commitments – focusing on sustainable, ethical operations that look after our people, and support our communities to bring social value.

TECHNICAL EXPERTS

Combining technical expertise with specialists in industry, compliance, and sustainability gives you access to a wealth of information. Our technical experts sit on national and international cable standards committees and can answer even the most complex cable questions, whilst our sector and industry specialists ensure they remain up to date with regulations and best practice to help you deliver your project efficiently and with longevity to operations.



DARREN CLARK

Sales Director

It takes a team to deliver large-scale projects. The people named here are just some of those you can call on for support and guidance.

From our Customs and Transport teams, to our Laboratory technicians, to our Customer Service, Project Delivery and Project Management colleagues - we're all committed to excellence.



IVAN CLEERE

Head of QA/Technical



MATTHEW ELLIOTT-SMITH

Technical Projects Manager



KEIRAN O'GORMAN

Business Development Manager - Major Projects



MARK FROGGATT

Head of Technical Training, Learning & Development



DEBORAH GRAHAM-WILSON

Sustainability Lead



KEVIN CHAPMAN

CPR Compliance Expert

AND INDUSTRY SPECIALISTS

PERFORMANCE DEMANDS

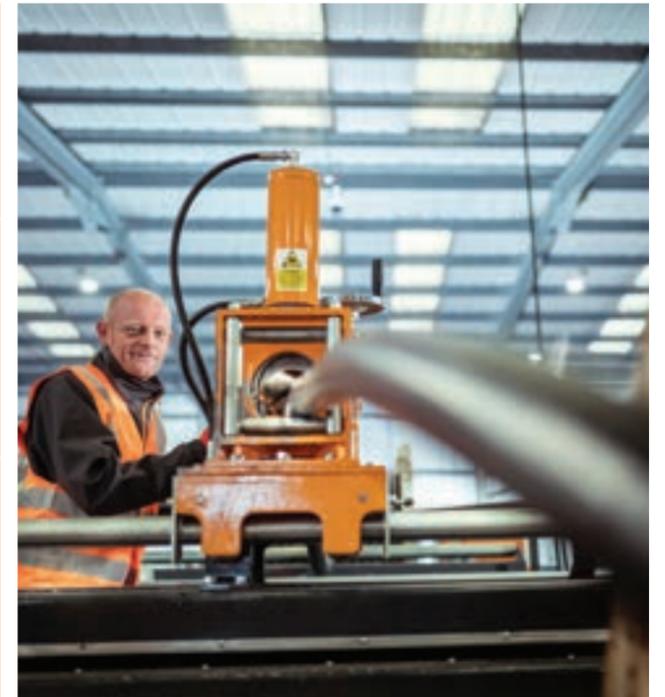
Does the cable need to be screened to offer signal integrity or electromagnetic compatibility? Is single core triplex the right configuration? What voltage is best suited to deliver the system requirements?

INSTALLATION DESIGN

Would a flexible conductor make routing easier? Are there space restrictions to consider? Is the cable for internal or external use? Are low smoke zero halogen materials appropriate to protect in the event of fire?

ENVIRONMENTAL CHALLENGES

Consider if the cable is UV resistant to the degree required. Is the cable liable to be in waterlogged ducts - if so would it benefit from additional water blocking measures? Are there other climatic or environmental factors to protect against?



REGULATORY REQUIREMENTS

Does the project need to be compliant with the Construction Products Regulation (CPR)? Are there third-party approvals that are required such as VDE or KEMA? Are there geographic standards and compliance requirements to meet?

CALIBRATING ACCESSORIES

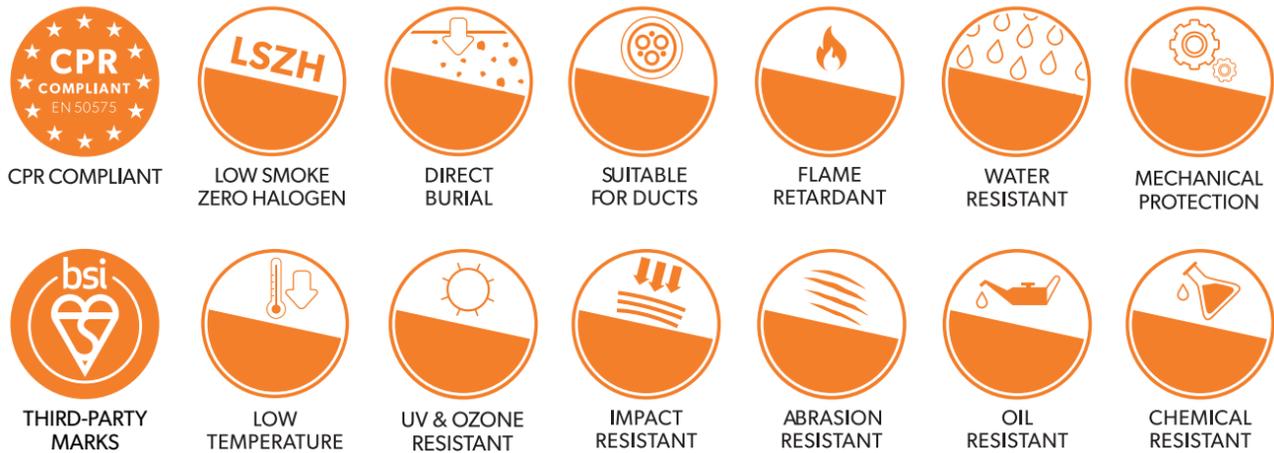
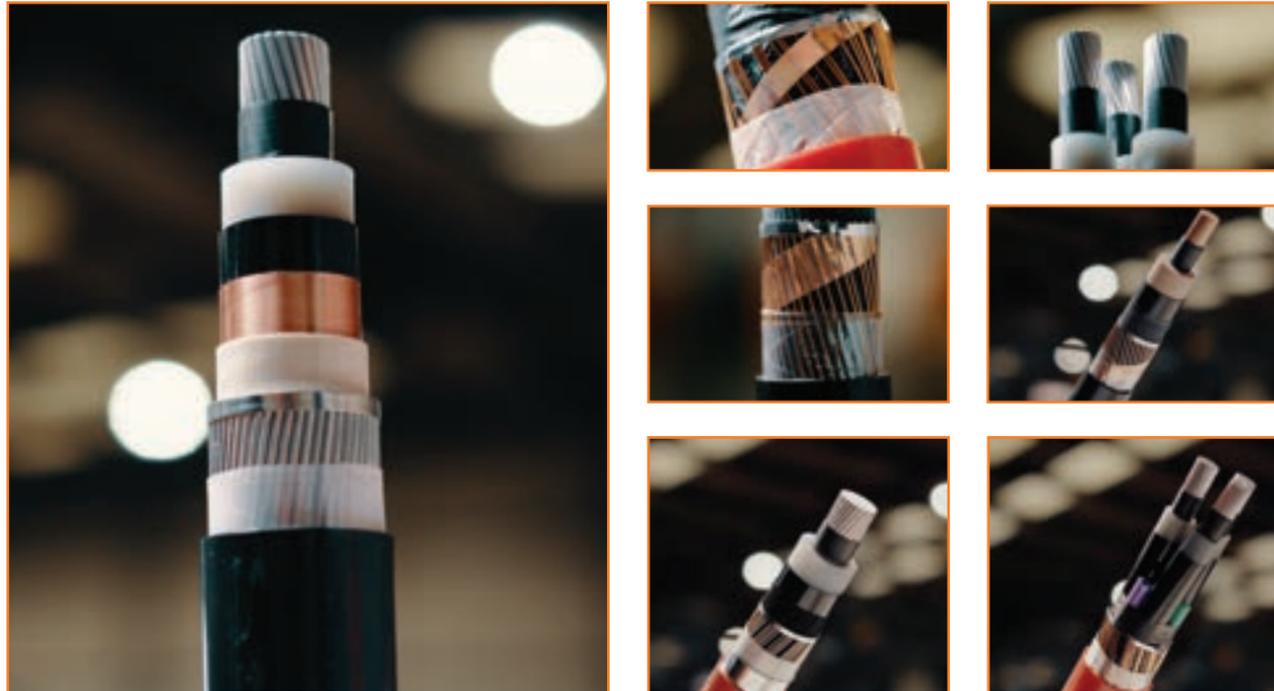
Calibrating the cables to match the accessories prevents delays to installation on site. Guidance on accessory types - for instance, bi-metallic terminations for aluminium cables to prevent corrosion can be vital in assuring system and network health.

PROJECT MANAGEMENT

Dedicated project management from a long-standing and experienced team, with clear and pro-active communication. The team works alongside you to ensure project timelines are met while adapting to changing priorities onsite.

MEDIUM VOLTAGE CABLES

Medium Voltage cables are key to critical power infrastructure, yet with increased voltage comes increased risk. Unplanned downtime and maintenance is costly for cables often buried in the ground in ducts. Specifying correctly, navigating cable nomenclature and standards requirements, and installing compliant cables with assurances of performance, means operational reliability, reduced asset management, and longer lifespans.



START WITH THE SPECIFICATION

What challenges will the cable face in operation? How do you ensure a long service life? Installation parameters such as water-logged ducts, being buried at low temperatures, or running internally in a building can alter the requirements. Cable bend radius, mechanical protection, tailored screen sizes, waterblocking measures should all be considered. Our team can help you identify the best-suited cable.



COMPLIANCE IS KEY

With requirements for CPR differing across geographical regions, Medium Voltage cable selection can be challenging. Our CPR experts can support you in navigating the legislation to ensure compliance.



EMBODIED CARBON COUNTS

Accurate reporting of embodied carbon emissions in LifeCycle Analysis documents or Environmental Product Declarations can help shape positive procurement choices and support sustainability goals. Emissions savings comparisons can guide future actions - and feed into mandatory sustainability reporting requirements.



TESTING IS IMPERATIVE

Before your cable arrives onsite, you want to know it's been tested extensively. Rigorous laboratory testing in our specialist MV facility verifies the cable's performance and compliance now and in the future, using accelerated ageing techniques. Our dedicated mobile testing unit is also at your disposal should its services be required onsite.



THIRD-PARTY MARKS

Third-party accreditations and quality marks provide comfort of due diligence in procurement, and support assertions of long service life. Quality marks such as the BSI Cable Testing Verification Kitemark, BASEC, KEMA and VDE certifications can be achieved.



ASSURANCE BRINGS CERTAINTIES

With MV cables in particular, there is no one-size-fits-all solution. With your data centre relying on these cables to underpin the entirety of operations, complacency is not an option. Issues do still occur – they're reported from major power distribution projects across all industries. It's why having access to experts from specification through to installation can be such an advantage.

“Uptime and reliability are the central pillars of any data centre. It's delivered through a cable network that can be relied upon to provide the sustainable operations you demand. Testing, compliance, and the precise specification truly matter.”

Darren Clark, Sales Director

CABLES

Please see our website for the wider portfolio and to download technical datasheets.

Connecting the grid network **MEDIUM VOLTAGE POWER DISTRIBUTION**



N2XS2Y / NA2XS2Y (MDPE)
IEC 60502-2 - 6kV to 30kV

Single core unarmoured MDPE Medium Voltage Copper or Aluminium power distribution cable for external and buried installation. Three-core variants available.



N2XSH / NA2XSH (LSZH)
IEC 60502-2 - 6kV to 30kV

Single core unarmoured Low Smoke Zero Halogen Medium Voltage power distribution cable for internal/external installation. Copper or Aluminium conductors. Three-core variants available. CPR Compliant



N2XSY / NA2XSY (PVC)
IEC 60502-2 - 6kV to 30kV

Single core unarmoured PVC Medium Voltage power distribution cable for internal/external installation. Three-core variants also available. Copper or Aluminium conductors. CPR Compliant.



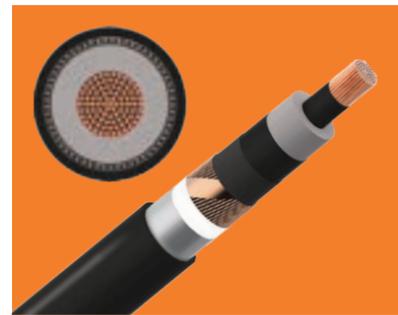
BS 7870-4.10 (LSZH / MDPE)
11kV & 33kV DNO-APPROVED

Medium Voltage 11kV (single core, triplex and 3-core) and 33kV single core cables. Suitable for installation in sealed ducts. Includes G81-manufacturer cable conforming to UK DNO requirements.



BS 6622 (PVC) and BS 7835 (LSZH) - 6.6kV to 33kV

Single core AWA or multi core SWA armoured Medium Voltage power cable with Class 2 stranded copper conductors (aluminium also available). Suitable for direct burial. CPR Compliant.



WATERBLOCKED MV (F) (FL)
(MDPE/PVC/LSZH) - 6kV to 30kV

Longitudinal (F) and radial (FL) layers of waterblocking tapes can be applied to provide additional protection against water ingress on MDPE, PVC and LSZH cables. PVC & LSZH variants are CPR Compliant.

Speak to our team about the cables needed for your specific project and application.

Data Centre build **LOW VOLTAGE POWER DISTRIBUTION**



N2XH / N2XH FLEX (LSZH)
0.6/1kV

Low voltage LSZH European Copper power cable to IEC 60502-1 with Class 1 (to 25mm²), Class 2 or flexible Class 5 conductors. Easy-strip design. Single core and multi core variants. N2XH Flex is KEMA approved & BSI Kitemark tested. CPR Compliant.



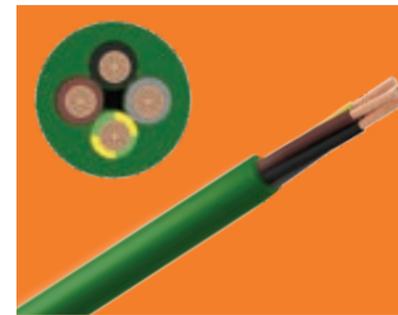
H07ZZ-F (LSZH)
450/750V

Flexible multicore cable with robust LSZH Rubber sheathing for applications under moderate amounts of stress. In accordance with EN 50525-3-41. BSI Kitemark tested. CPR Compliant.



H07RN-F and H07RN-8-F (RUBBER) 450/750V

Heavy-duty EPR insulated flexible rubber cable for trailing power applications under moderate mechanical and thermal stresses. H07RN8-F suitable for permanent submersion in water to 10m. H07RN-F (to EN 50525-2-21) is CPR Compliant.



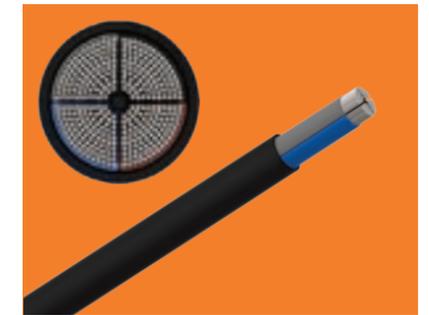
RZ1-K (LSZH)
0.6/1kV & 1.8/3kV

Flexible flame retardant LSZH sheathed cable in accordance with Spanish standard UNE 21123-4. Suitable for internal fixed wiring. UV resistant. CPR Compliant.



RV-K (PVC)
0.6/1kV & 1.8/3kV

Flexible PVC sheathed cable to UNE 21123-2 for internal/external fixed installation and underground (protected) supply networks. For cable ducts or direct burial without additional protection. AD8 water resistant. Aluminium variants available. CPR Compliant.



NA2XH (LSZH)
0.6/1kV

Low Smoke Zero Halogen cable to IEC 60502-1 with single or multicore solid/stranded Aluminium conductors. For internal or external power distribution. CPR Compliant.

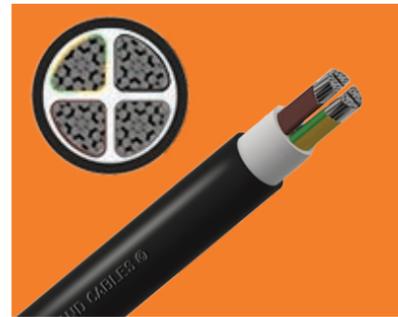
Our technical knowledge includes cross-border standards comparisons to support compliant installations.

Data Centre build **LOW VOLTAGE POWER DISTRIBUTION**



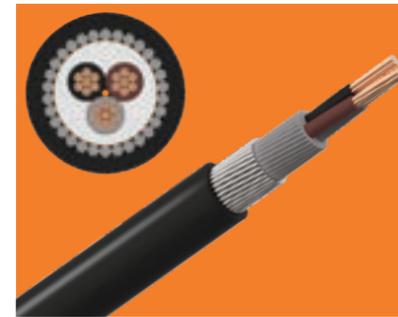
**NYY-J/O / NAPPY-J/O (PVC)
0.6/1kV**

Insulated and sheathed single or multi-core Copper or Aluminium power cable available with or without green/yellow earth wire (-J or -O). Suitable for use indoors or outdoors and in concrete. CPR Compliant.



**N2XY / NA2XY (PVC)
0.6/1kV**

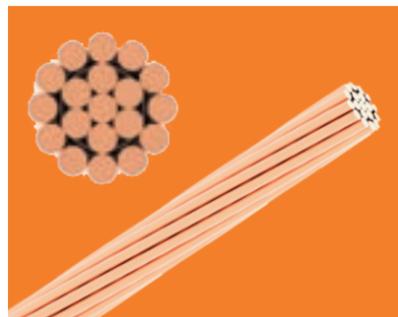
PVC Copper or Aluminium power cable with Class 1 solid (to 25mm²) or Class 2 stranded conductor. Single core and multicore configurations. Not suitable for direct burial. CPR Compliant.



**BS 5467 (PVC) and BS 6724
(LSZH) - 0.6/1kV**

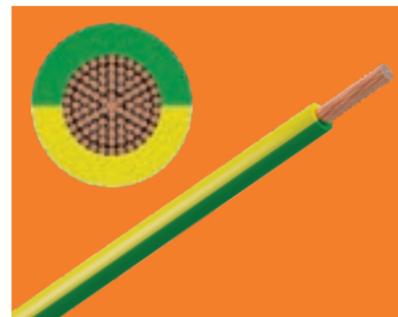
AWA and SWA armoured power with Class 2 stranded Copper cores. Single core to 1000mm² and multi-core to 400mm². BASEC Approved. Suitable for direct burial. CPR Compliant.

Data Centre build **EARTHING & LIGHTNING PROTECTION**



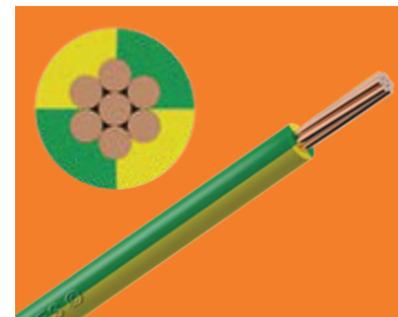
BARE COPPER

19-strand Class 2 bare copper conductor for route-to-earth connection.



**2491X (PVC)
450/750V**

Flexible single core earthing cable referenced H05V-K/H07V-K (PVC) to EN 50525-2-31. CPR Compliant.



**6491X (PVC) / 6491B (LSZH)
450/750V**

Rigid stranded single core earthing cable for fixed wiring protected installations. Also known as H07Z-R (LSZH) and H07V-R/H07V-U (PVC). In accordance with EN 50525-2-31 and EN 50525-3-41. CPR Compliant.

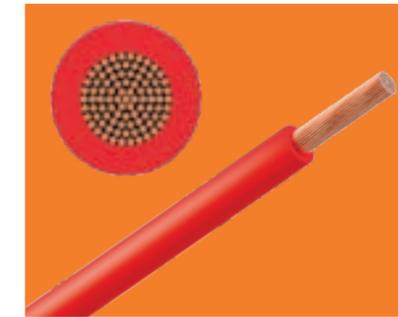
Our team can guide you in cable specification to best suit the performance demands, installation design, and environmental challenges faced onsite, while supporting operational longevity.

Connecting equipment **POWER, CONTROL & MONITORING**



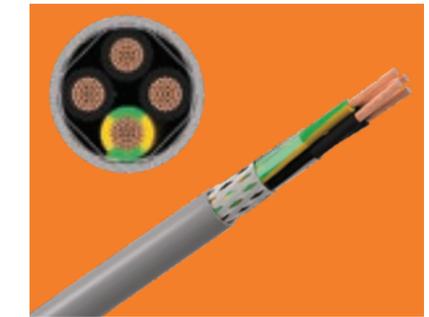
**EN 50288-7 RE-2X(st)H
INSTRUMENTATION**

European standard Instrumentation cable, also available with PVC sheathing (RE-2X(st)Y), with armour (SWAH/SWAY), and optional PiMF configuration. CPR Compliant.



**TRI-RATED (PVC) / 2491B (LSZH)
PANEL WIRING 450/750V**

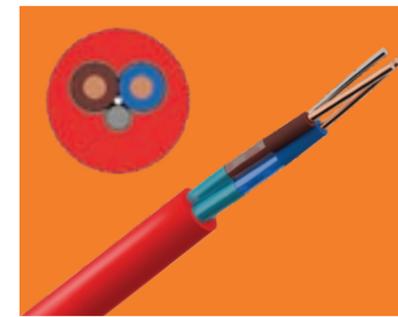
Flexible single core panel wiring. TriRated meets BS6231, CSA 22.2 & UL758. 2491B is also referenced as H05Z-K/ H07Z-K to EN 50525-3-41. Available in a full range of colours. CPR Compliant.



**VERIFLEX SY, CY, YY
(PVC/LSZH) CONTROL**

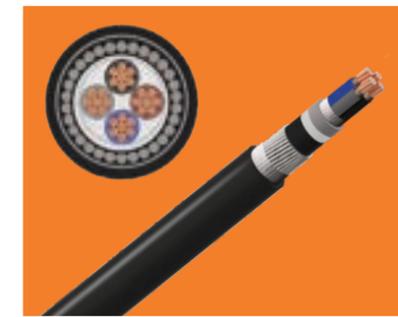
Eland Cables' premium Veriflex brand of control cables available unscreened (YY), with EMC protection (CY) and mechanical protection (SY). CPR Compliant.

Specialist Applications **FIRE PERFORMANCE**



**STANDARD / ENHANCED
GRADE 0.6/1kV**

Circuit integrity cables for fire detection, alarms and emergency lighting to BS 7629-1 and EN 50200. Standard grade PH30 30mins and PH60 60mins resistance. Enhanced grade PH120 120mins also to BS8434-2 and BS8519 Cat 3.



**BS 7846 F120 ARMoured
POWER**

Armoured cable for fire resistance with mechanical shock and water spray for circuit integrity for 120mins (F120) duration.



**EN 60332-3-24 NHXH /
NHXCH FE180 E30/E90**

European fire safety power cables. Voltage rating 0.6/1kV, with or without concentric conductor. Insulation integrity under fire conditions for 180 mins (FE180) with function integrity for 30mins or 90mins (E30/E90).

WORLD-LEADING LAB TESTING

As a world-class centre of technical excellence, our facility tests thousands of cables each month across a range of accredited tests. The rigorous assessments cover the completed cable and individual component layers against relevant standards to provide assurances of quality, performance and compliance.



QUALITY & PERFORMANCE

Does the cable deliver against expectations? Anything less would mean your installation is at risk of failure. Even the smallest margins can make a difference to your wider system performance.

STANDARDS COMPLIANCE

With each material layer having applicable standards, as well as an over-arching cable standard, the intensive testing ensures you are installing a compliant product.

REGULATORY COMPLIANCE

From RoHS to REACH, to CPR, CE marking, European Directives on materials, and more, there's numerous requirements beyond the construction of the cable that need to be met and verified.

ACCELERATED AGEING

Assuring quality and performance at the point of installation is one thing, but will it withstand a lifetime of operations? Accelerated ageing techniques help us assess the suitability of the cable throughout its lifespan.

ENVIRONMENTAL PRESSURES

From submersion in water, to UV exposure, to oils and chemicals - cables can face numerous environmental factors during operation and ensuring they withstand these is essential.

BSI KITEMARK TESTING

The most intensive third-party testing regime on the market sees specific drums and batches put under scrutiny, with the quality mark giving confidence in the cables delivered to site.

QUALITY & COMPLIANCE ARE THE KEY TO MINIMISING DOWNTIME

With compliance key to contractors delivering projects on-time, and for end users avoiding maintenance and downtime, it means you can have total trust that your cables and accessories meet the highest standards.

Our high quality, high performance cables face the strictest quality assurance processes, underpinned by cable testing in a laboratory globally recognised for its capabilities. Our tests include:

- Vertical Flame (IEC/EN 60332-1-2)
- Construction & Dimensional (relevant standard)
- Tensile & Elongation (EN 60811-501)
- Hot Set and Heat Shock (EN 60811-507/509)
- Ozone Resistance (IEC 60811-403)
- UV Accelerated Weathering (EN 50618)
- Gas Emissions (IEC/EN 60754-1/2))
- RoHS Spectrometry (RoHS 3 EU 2015/863)
- VLF Testing (IEC 60502 / IEEE 400.2)
- Conductor Resistance (EN 60228)



YOUR DELIVERY IS A PRIORITY



Delivery is a vital part of any order and it's an integral part of our service. We're focused on the 'last mile' to site, ensuring your cables reach you on time, in optimum condition.



A DEDICATED TRANSPORT TEAM

Our team of logistics and customs specialists work together to ensure smooth transit and that you have all the information you need to manage site deliveries, including provisioning of specialist unloading vehicles where needed.



OUR FORS GOLD ACCREDITED FLEET & DRIVERS

Our modern Euro6 fleet of articulated and rigid trucks and HiAbs are FORS Gold accredited, and our drivers trained in cable handling and customer service. Our Transport Compliance team and JAUPPT accredited driver school ensure our drivers remain up-to-date with all requirements including the Certificate of Professional Competency, and our maintenance workshop keeps our vehicles in prime condition.



FULL TRACEABILITY & INSTANT POD

Our drivers are connected and in constant contact with our transport team, allowing up-to-the-minute location tracking for site ETAs and instant PODs on delivery. All products supplied have full traceability in the event it is required.



EUROPEAN DISTRIBUTION HUBS

With operations sites in Germany, The Netherlands, Portugal and Ireland in addition to our main Doncaster site, we can support large-scale projects and daily deliveries across Europe with ease.



FLEXIBLE SCHEDULING TO FIT SITE DEMANDS

We'll deliver your cables where and when you need them. Phased and planned just-in-time deliveries can be supplemented by ad-hoc requirements. Our Pan-European fleet has ontime delivery rates of 99.9%.



GREEN PRACTICES

Delivery routes are planned for efficiency, with sustainable HVO biofuels used in the fuel mix for our 50+ strong fleet of HGVs.



YOU SUPPLY CHAIN MADE GREENER

Sustainability and the protection of our environment is a responsibility shared throughout the supply chain. Data Centre projects are power intensive so the green credentials of your supply partners matter.



We are committed to operating ethically and responsibly, taking steps to minimise and mitigate our carbon emissions, and to working with our upstream supply chain to encourage nature net-positive changes wherever possible as we push towards Net-Zero.

We can support your project sustainability goals in a number of practical ways, including:

CABLE WASTE RECYCLING
Legacy cables and cable waste from installations can be collected for recycling, returning materials to the circular economy.

ON-TIME DELIVERIES
Late deliveries mean contractors sit idle and plant equipment runs unnecessarily. Reduce carbon emissions and maintain project timelines with on-time arrivals.

EMPTY DRUM COLLECTION
Collecting empty cable drums from your site frees up space and saves you the hassle of disposal. Drums are repaired, reused or recycled.

SPECIFICATION SUPPORT
Careful specification of materials and design within required standards can result in time and money saved onsite during installation works.

LIFECYCLE ANALYSIS REPORTS
Understanding the amount of embodied carbon (tCO2e) in a cable can help influence project design and procurement choices.

PRACTICAL ACTIONS
Simple actions can make a difference: actions such as cutting cables to length can speed up installation and reduce cable waste.

POSITIVE ACTIONS



- **SOLAR PANELS FOR CLEAN ENERGY**
The solar panels installed at our Operations sites generate as much electricity as we consume annually.



- **CABLE RECYCLING PLANT**
Our cable recycling facility sees us process copper & aluminium conductor cables, stripping, granulating and processing the different material layers so they can be reused and recycled for other products.

- **RECYCLED & RECYCLABLE PACKAGING**
All our packaging is recyclable or biodegradable, including our pallet wrap. All our plastics, paper, cardboard and wood waste is crushed, baled or chipped on site.

- **ENERGY MONITORING**
By monitoring the energy consumption across infrastructure and equipment we've been able to identify hotspots that could be actioned to deliver energy savings.



- **SUSTAINABLE HVO BIOFUELS**
Our fleet of HGVs incorporate sustainable HVO biofuels into their fuel mix, significantly reducing carbon emissions associated with cable delivery.

- **ZERO LANDFILL WASTE OPERATIONS SITES**
We operate zero landfill waste sites where any waste not suitable for recycling, even floor sweepings, gets processed into biofuel pellets.

CASE STUDIES



CLIENT NAME

Ireland (client confidential)



PROJECT OVERVIEW

Full technical consultation, from product design to delivery, for a hyperscale site just outside Dublin.

THE REQUIREMENT

Extensive technical support over an initial 2 year period. Cable scope included Low & Medium Voltage power, flexible power, and earthing cables, plus terminations.

THE SOLUTION

Initial technical support including material compounds review, CPR classification guidance, cable sizing, duct sizing and an accessories proposal. A particular RPP cabling requirement saw our cable consultancy design, test, and put into manufacture a customised cable which offered superior flexibility to other products on the market and allowed preparation for termination in minutes, providing cost and time savings for the client. There were zero late deliveries to site.

CLIENT NAME

Netherlands (client confidential)



PROJECT OVERVIEW

Technical and commercial support across product selection, local regulatory requirements, and custom cable design for an enterprise data centre in Schiphol.

THE REQUIREMENT

The full range of LV and MV power cables, earthing, and accessories including glands and cleats.

THE SOLUTION

Our technical expertise saw us advise on CPR regulatory requirements in the Netherlands and the wider Dutch wiring regulations NEN1010. The project included a requirement for a flexible cable with some additional considerations and enhancements rather than an off-the-shelf power cable.



CPD CABLE TRAINING

We're always keen to share our knowledge. We offer training to companies that combines technical know-how with a practical, commercial approach to give attendees a rounded understanding of the subject.



TRAINING FROM EXPERTS

Our courses are delivered by cable experts and industry specialists who can tailor the subject to your requirements. Their in-depth knowledge means they're able to answer all your cable questions.



These are some of the courses we offer, all earning the attendee CPD points.

- Cable Construction, Materials & Applications
- Medium Voltage Cables
- Renewable Energy Project Cables
- Fire Performance Cables & their Standards
- Sustainability for Electrical Cables
- Cable Testing

We encourage people to visit one of our sites for training as it allows access to The Cable Lab and to the cables themselves.

We appreciate this isn't always feasible so offer 'breakfast briefings' and 'lunch and learn' sessions at client offices, or online. It's all part of our commitment to improved electrical compliance in the wider marketplace.

“ We found the MV Cable CPD training extremely useful. It is certainly one of the best wire and cable training courses we have had so far. ”



WORKING TOGETHER FOR PROJECT SUCCESS



The 'Eland Experience' is a combination of quality products, expert technical support, and services that add value without adding to your workload.

Look to us for innovation, advancement, and commercial benefits. Together, we can deliver solutions that cut costs, reduce labour, or enhance the profile of an installation. Let us identify the opportunity: as part of your supply chain we can offer

improvements, whether in quality and compliance, on product volume, or in service.

Trust in a reliable service and resilient operation: we're scalable and global, offering every account a tailored service that meets their needs.

We're the cable supplier the industry trusts.



“

The value of quality and compliance cannot be underestimated when delivering a data centre project where continuous and reliable operation (and that all-important uptime) is essential. From the sub-station through the generators and switchgear and into the server halls, the best systems are only as good as the cables that connect them.

By working with cable experts you're in the best position to deliver the sustained success your project demands.

Ivan Cleere, Head of Technical/QA

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ELAND[®]
CABLES



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ENMS 776260



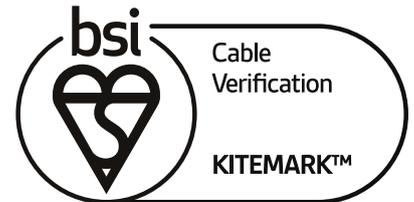
EMS 672067



CFV 776862



IS 819712



KM 662609



RTS 793738



OHS 672066



ID:012590

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