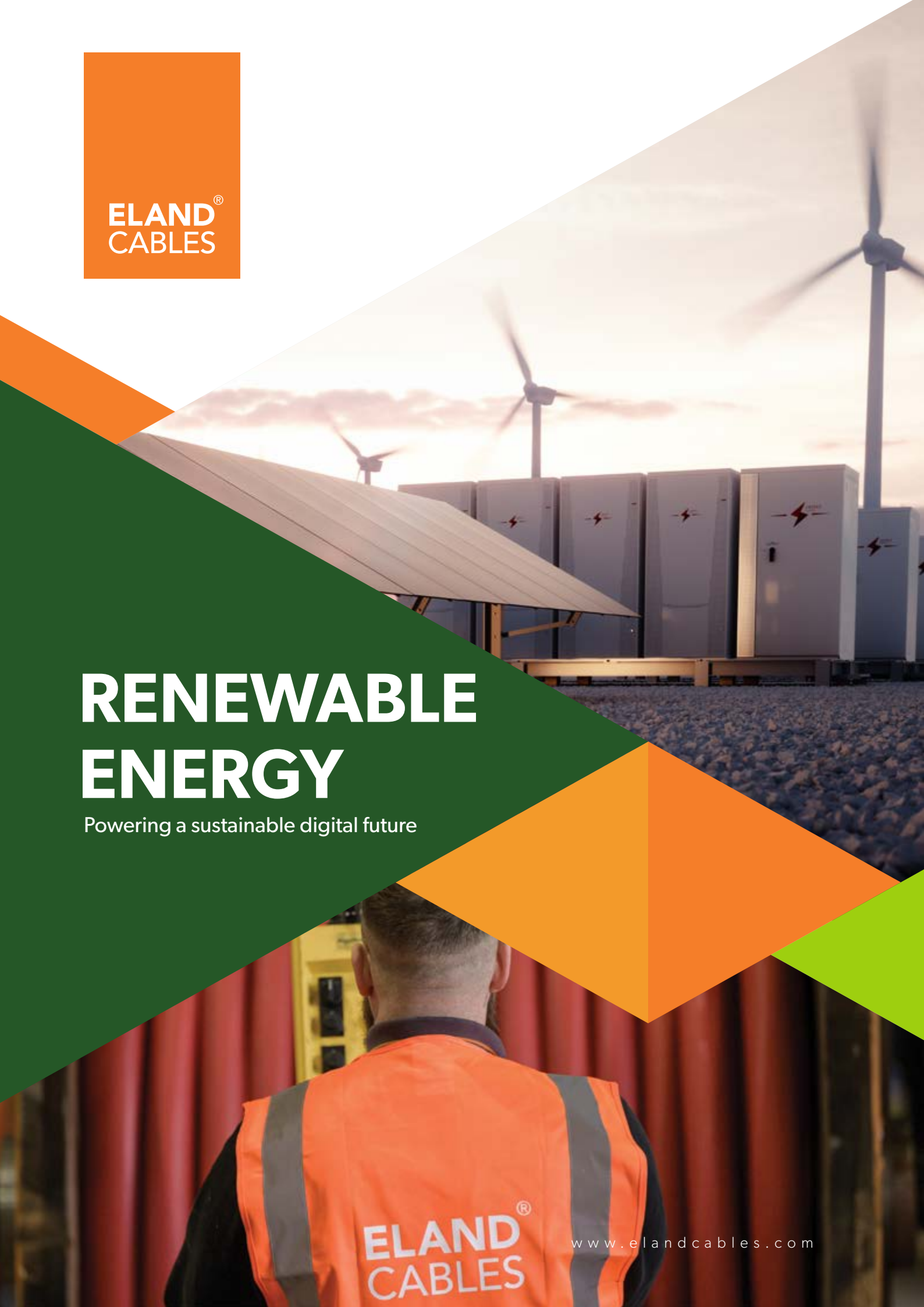
ELAND®
CABLES



RENEWABLE ENERGY

Powering a sustainable digital future

www.elandcables.com

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. The Green Energy transition is happening at pace, with new power generation projects being commissioned alongside electrification, digitalisation, and industrial automation works. Cables are essential for all of them.

There are ambitious global targets to reduce carbon emissions and fight global warming, and Renewable Energy is key to delivering on them.

We're working on projects around the world that are harnessing the power of the sun and wind, and that generate energy from tidal and hydro projects. Our cables are connecting biomass and bioenergy production facilities, and we're supporting clean energy and CCS projects too.

It's not just the site of generation itself, it's the wider infrastructure too - connecting medium voltage grid networks, integrating 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.

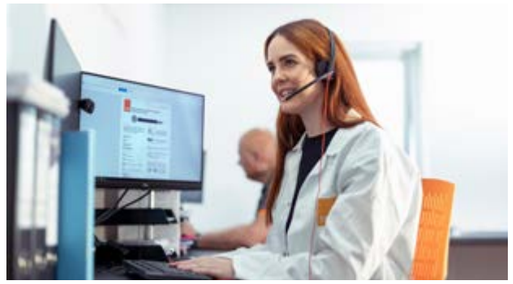
Our quality assurance is truly unique. The Cable Lab®, our specialist in-house testing facility, provides a rigorous regime accredited to IECEE CBTL and ISO/IEC 17025, whilst our medium and high voltage cables have an additional level of scrutiny under the BSI Cable Verification Kitemark™.

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

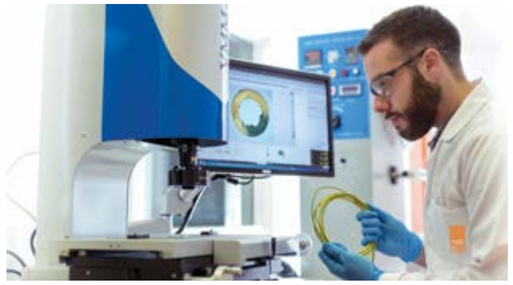
YOUR PROJECT

Our solutions for large-scale renewable energy installations 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 to your project. 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 quality checks ensure 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.

MATIAS RAMON I MENDIOLA

Head of Renewables

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

MARK FROGGATT

Head of Technical Training, Learning & Development

NEIL FOSTER

EV & Energy Storage Specialist

RICHARD WESCOTT

Solar Specialist

DEBORAH GRAHAM-WILSON

Sustainability Lead

KEVIN CHAPMAN

CPR Compliance Expert

AND INDUSTRY SPECIALISTS

With no two projects exactly alike, we can support you in identifying the most appropriate cable for your installation, adapting the specification to the system performance needs, installation design, environmental challenges, and the country regulatory requirements.

The correct specification aids operational efficiency and reduces the risk of premature cable failure.

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

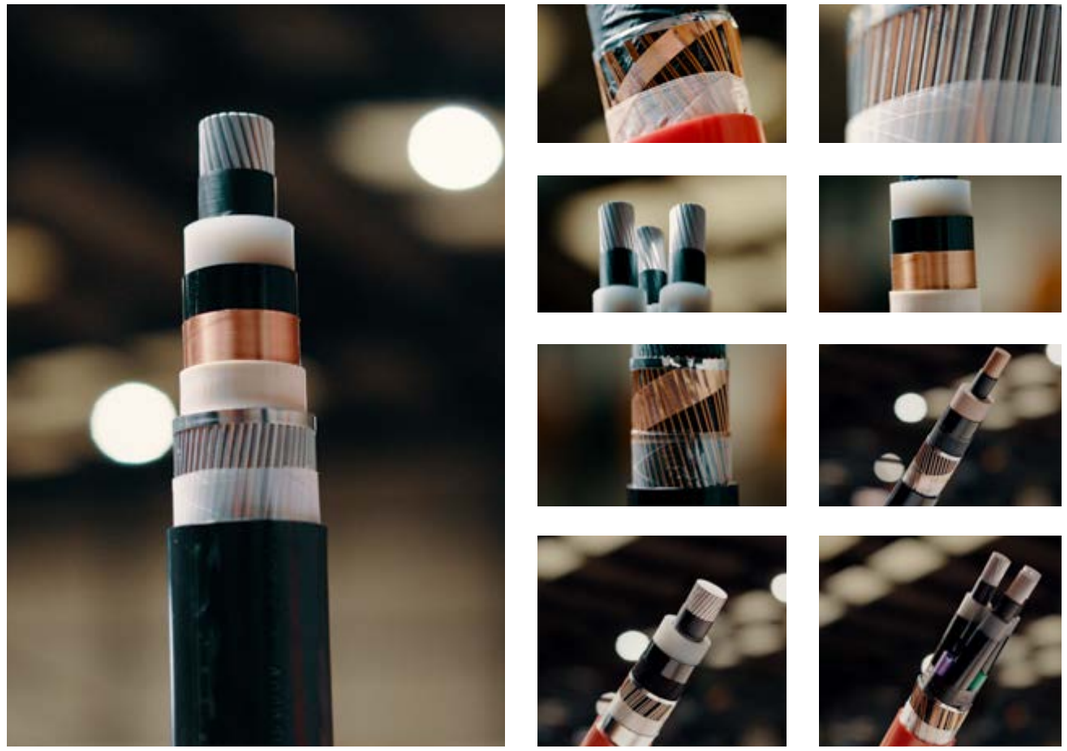
Calibrating the cables to match the accessories prevents delays to installation on site. Guidance on accessory types - for instance, bimetallic terminations for aluminium cables to prevent corrosion can be vital in assuring system and network health.

PROJECT MANAGEMENT

Dedicated project management from a longstanding 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 on-site.

MEDIUM VOLTAGE CABLES

Medium Voltage cables are key to critical power infrastructure, but 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.



CPR COMPLIANT

LOW SMOKE ZERO HALOGEN

DIRECT BURIAL

SUITABLE FOR DUCTS

FLAME RETARDANT

WATER RESISTANT

MECHANICAL PROTECTION

THIRD-PARTY MARKS

LOW TEMPERATURE

UV & OZONE RESISTANT

IMPACT RESISTANT

ABRASION PROTECTION

OIL RESISTANT

CHEMICAL RESISTANT

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 in ground at low temperatures, or running internally in a building can alter the requirements. Cable bend radius, armouring, tailored screen sizes, waterblocking measures should all be considered. Our team can help you identify the best-suited cable.

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.

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.

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.

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.

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 affordable. 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.

> *The shift to Renewable Energy and the growth in battery storage reflects the push for decarbonisation alongside the need for energy security. The right installations, with the right cable network to support it, will quickly bring long-term benefits whether at grid scale or for standalone industrial operations.*
>
> David Doyle, Head of Sales

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. Longitudinal (F) and Radial (FL) waterblocking 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 and waterblocking available. CPR Compliant.

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

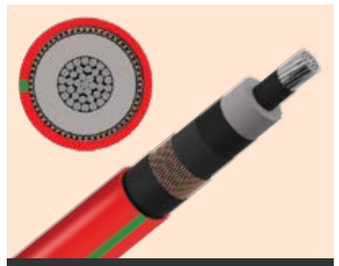
Single core unarmoured PVC Medium Voltage power distribution cable for internal/external installation. Three-core variants, and waterblocking measures also available. Copper or Aluminium conductors. CPR Compliant.

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.

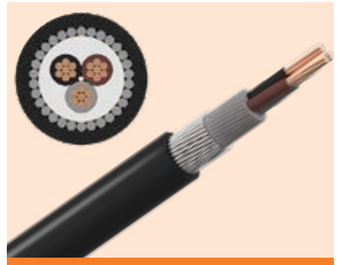


RHZ1 / RH5Z1 OL/2OL/AL (PO)
HD620 10-E - 15kV to 30kV

Halogen Free UNE standard Spanish cable to HD620 10-E, IEC 60502-2. Copper or Aluminium conductors, and variants for flame retardance (S) (AS) and increased CPR Compliance rating.

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

Connecting the grid network LOW VOLTAGE POWER DISTRIBUTION

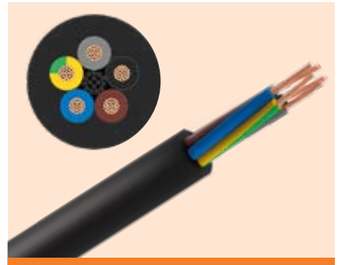


BS 5467 (PVC) and BS 6724
(LSZH) - 0.6/1kV

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

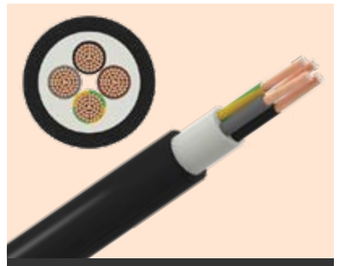
NA2XRY (PVC) / NA2XRH
(LSZH) 0.6/1kV

AWA and SWA armoured power with Aluminium conductors, made generally in accordance with IEC 60502-1. Suitable for direct burial. 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.

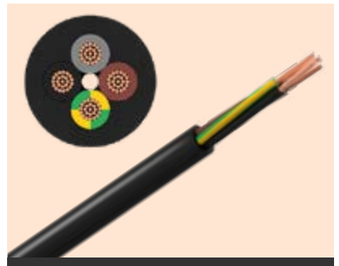


N2XH / N2XH FLEX (LSZH)
0.6/1kV

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

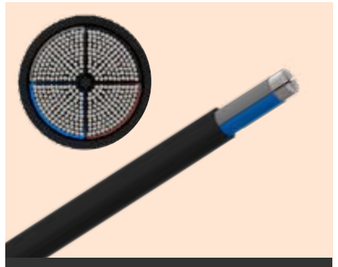
Flexible PVC sheathed cable to UNE 21123-2 for internal /external fixed installation and underground (protected) supply networks. For cable ducts or direct burial without additional protection. AD8 water resistant. Aluminium variants available. CPR Compliant.

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

Connecting the grid network LOW VOLTAGE POWER DISTRIBUTION

NYY-J/O / NAYY-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.

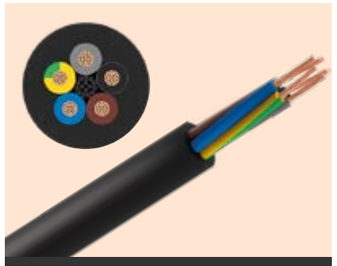


NA2XH (LSZH) 0.6/1kV

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.

N2XY / NA2XY (PVC) 0.6/1kV

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

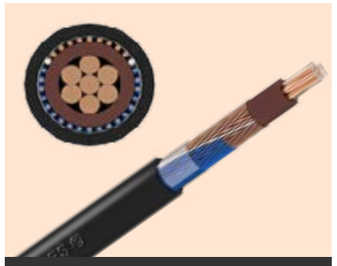


H07ZZ-F (LSZH) 450/750V

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.

NA2X2Y (MDPE) 0.6/1kV & 1.8/3kV

Lightweight low voltage single core aluminium cables to IEC60502-1 with outer sheathing according to environmental needs. LSZH and PVC options CPR Compliant.

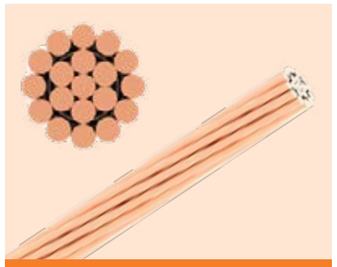


BS 7870 CON / SPLIT-CON (PVC/LSZH) 0.6/1kV

Service cable for distributed networks to provide the final connection to domestic properties. Also suitable for sub-main distribution and particularly used within high-rise buildings and street lighting systems.

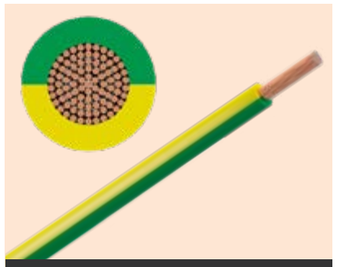
Our team can guide you in cable specification to best suit the performance demands, installation design, and environmental challenges faced onsite, and support operational longevity.

Connecting the grid network LOW VOLTAGE POWER DISTRIBUTION



BARE COPPER

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



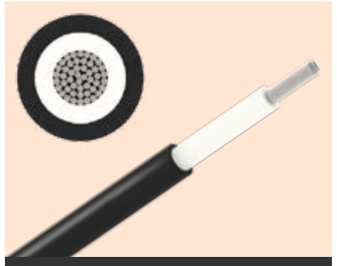
2491X (PVC) / 2491B (LSZH) EARTH 450/750V

Flexible single core earthing cable referenced as H05Z-K/ H07Z-K (LSZH) to EN 50525-3-41 and H05V-K/H07V-K (PVC) to EN 50525-2-31. Also used as flexible panel wiring. CPR Compliant.

6491X (PVC) / 6491B (LSZH) EARTH 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.

Specialist Industry SOLAR & BATTERY STORAGE



PHOTOVOLTAIC H1Z2Z2-K SOLAR 0.6/1kV

Photovoltaic (PV) cables for interconnecting power supplies within solar panel arrays, including where water is present (AD8 rated). Sizes from 2.5mm^2 to 240mm^2. Suitable for domestic and industrial applications. To EN 50618. TÜV Approved. CPR Compliant.

NSGAFOU (PCP) 1.8/3.3kV

Flexible EPR Insulated Rubber sheathed power and general wiring cable also used in earth-fault-proof routings. In accordance with DIN VDE 0250.

FHLR91XC13X / FHLR4GC13X 1000V AC / 1500V DC

EMC screened Battery cables for Energy Storage applications. Sizes range from 2.5 - 6mm^2 for the XLPO insulated FHLR91XC13X cable, and from 8 - 150mm^2 for the EVA insulated FHLR4GC13X.

Our experience and track record in delivering projects across the Renewables landscape, all over the world, stands us apart from our competitors.

Our products and service make us the trusted partner for high-profile, grid-scale installations.

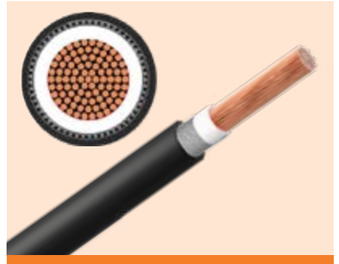
Specialist Industry WIND TURBINES

TORSION RESISTANT POWER (LSZH) 0.6/1kV & 1.8/3kV

Low Voltage power cables suitable for onshore and offshore wind turbines, offering mechanical protection, resistance to torsional stresses,and environmental conditions. Loop screened variants available.

NTSCGEWÖW TORSION POWER (CM/CR) 3.8/6kV

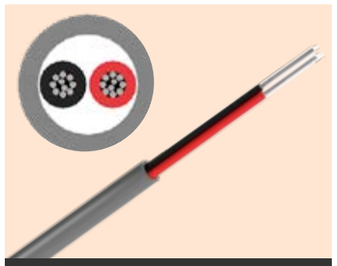
For medium voltage flexible cable applications under high to extreme torsional/mechanical stresses, e.g. high travel speeds, dynamic tensile loads, multiple changes of direction into different planes and torsional stresses. In accordance with DIN VDE 0250.



S-3GSHCOEU (CPE) and S-3GSHXOEU (EVA) 0.6/1kV

Low Voltage power cables designed for use under medium mechanical stress in accordance with UL758 and DIN VDE 0282. Available in chlorinated rubber (EMC screened) and halogen free, low smoke versions.

Signals and Monitoring DATA



BELDEN & EQUIVALENT

High speed data transmission cables manufactured by Belden or to Equivalent standards. Suitable for communications and signalling, and available in a range of constructions and materials. CPR Compliant.

PROFIBUS & PROFINET

Fieldbus standard supporting Profibus PA (Process Automation) and DP (Decentralized Peripherals) applications in automation. CPR Compliant. BSI Kitemark tested.

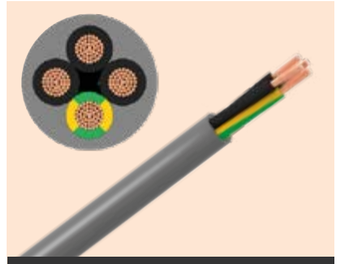
CAT 6 PE DUCT GRADE 600V

Structured cabling for data transmission suitable for external installation including in cable ducts. Pairs configuration, PE sheathing. UV resistant. Cat5e and Cat6A also available for compatibility.

Managing Operations CONTROL & INSTRUMENTATION

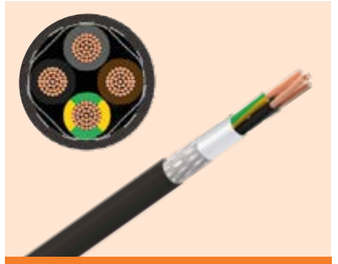
EN 50288-7 (LSZH/PVC) INSTRUMENTATION - 300V

European instrumentation cable (superseded BS5308) referenced as RE-2X(st)Y or RE-2X(st)H. Screened pairs configuration - PiMF/TiMF variants also available. Fire rated and 500V variants available on request.



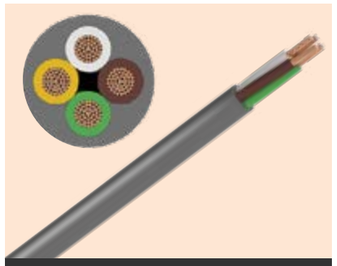
SY, CY, YY (PVC/LSZH) CONTROL - 300/500V

Flexible cable for control and regulation applications available with additional tinned copper braid for EMC (CY) or steel wire braid for mechanical protection (SY). CPR Compliant. BSI Kitemark tested.



SERVO (PVC / LSZH)

Flexible 1kV power cable with tinned copper wire braid for electromagnetic compatibility for quick connection of Computer Numerical Control (CNC) machines, intelligent servo drives and temperature control units. CPR Compliant. BSI Kitemark tested.



LIYY / LIHH (PVC/LSZH) CONTROL 300/500V

Unscreened flexible cables for control applications with PVC or LSZH sheathing. Small gauge Copper cable in configurations to 24 cores and beyond.

LIYCY / LIHCH (PVC/LSZH) CONTROL 300/500V

For data processing, measurement and control engineering including use in computer and instrumentation systems. Cores, pairs or twisted pairs configurations. CPR Compliant.

VARIABLE FREQUENCY DRIVE (LSZH)

VFD cables with electromagnetic compatibility for adjustable speed drives on 3-phase AC electric engines. Available with PE, XLPE, and Polypropylene insulation. 3+3 or 4 core configurations. CPR Compliant.

WORLD-LEADING LAB TESTING

As a world-class centre of technical excellence, our facility tests hundreds of cables each week across a range of over 30 accredited tests. The rigorous assessments cover the completed cable and 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, 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 chemicals and oils - 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)

KM 662609

YOUR DELIVERY

Delivery is a vital part of any order and it's an integral part of our service.

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 SILVER ACCREDITED FLEET & DRIVERS

Our modern Euro6 fleet of articulated and rigid trucks and HiAbs are FORS Silver accredited, and our drivers trained in cable handling and customer service. Our Transport Compliance team and JAUPT 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.

IS A PRIORITY

We're focused on the 'last mile' to site, ensuring your cables reach you on time, in optimum condition.

EUROPEAN DISTRIBUTION HUBS

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

FLEXIBILE 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 ROUTES, BIOFUELS & EVS

Delivery routes are planned for efficiency, whether its our Electric Vans charged from our own onsite renewable energy, or our 60+ strong fleet of HGVs running on sustainable HVO biofuel.

YOUR SUPPLY CHAIN

Sustainability and the protection of our environment is a responsibility shared throughout the supply chain. For Renewable Energy projects above all others, the green credentials of your supply partners matter.

SCIENCE BASED TARGETS
BUSINESS AMBITION FOR 1.5°C

WE SUPPORT UN GLOBAL COMPACT

GOLD | Top 5%
ecovadis
Sustainability Rating
AUG 2024

bsi ISO 14001 Environmental Management CERTIFIED
EMS 672067

bsi ISO 14064-1 Carbon Footprint Verification VERIFIED
CFV 776862

bsi ISO 50001 Energy Management CERTIFIED
ENMS 776260

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

CABLE WASTE

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.

MADE GREENER

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.

POSITIVE ACTIONS

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

- **SUSTAINABLE HVO BIOFUELS**
  Our fleet of HGVs is fuelled with sustainable HVO biofuels instead of diesel, significantly reducing carbon emissions associated with cable delivery.

- **ELECTRIC VEHICLES**
  Our fleet also includes EVs and delivering with these electric vans means zero emissions - they're charged using our onsite solar power too.

- **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.

- **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.

- **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.

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.

CPD CERTIFIED
The CPD Certification Service

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."

CRU

CASE STUDIES

Some of the projects we're proud to have worked on.

CLIENT NAME

SunEdison®

PROJECT OVERVIEW

Construction of 4 large-scale solar farms with collective power output of 60mW.

THE REQUIREMENT

Complete package of Photovoltaic, DC, Low- & Medium Voltage cables for onsite power and connection to the National Grid.

THE SOLUTION

After a technical review of the specification to ensure suitability, the volumes required could be supplied direct from stock, across the range of cross-sectional sizes required, in compliance with national standards.

Assurances of quality, compliance, and expected lifespan were provided after rigorous testing in The Cable Lab.

Cables were cut-to-length to reduce handling and installation time.

To mitigate risks of onsite storage, cables were delivered on a just-in-time basis, wrapped in branded protective wrapping as an anti-tamper measure.

"Eland Cables remain a few steps ahead of anyone else in their market. Attention to detail, customer service, flexibility, stock holding, bespoke cables, expedited delivery and technical support. It's all there in abundance. I wouldn't hesitate to recommend them."

ADDAX BIOENERGY

CASE STUDIES

CLIENT NAME

Ørsted

PROJECT OVERVIEW

Construction of the world's largest offshore wind farm, Hornsea 1 in the North Sea, with 174 Siemens Gamesa 7MW turbines and three offshore substations.

THE REQUIREMENT

Low & Medium Voltage Power, Data, Instrumentation and Control cables for turbine operations.

THE SOLUTION

Cable design customised by The Cable Lab to reflect the offshore/ salt-water exposure (airborne), with additional technical specification support provided from project outset.

Cables were fully tested in our UKAS laboratory before being installed in turbines which in turn are connected to a shore-based process-up plant. First turbines commissioned and delivering power to the UK grid since February 2019.

CLIENT NAME

MASDAR

PROJECT OVERVIEW

Construction of a grid-scale solar plant capable of generating 10% (15MW) of Mauritania's energy requirements, making it the largest solar installation in Africa.

THE REQUIREMENT

A broad range of IEC standard data and communications cables for monitoring and reporting on plant production.

THE SOLUTION

Cables were available from stock for immediate despatch. They were cut to custom lengths to facilitate installation and minimise wastage. All cables were packaged using heat-treated wooden drums in compliance with the country's ISPM-15 regulations.

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.

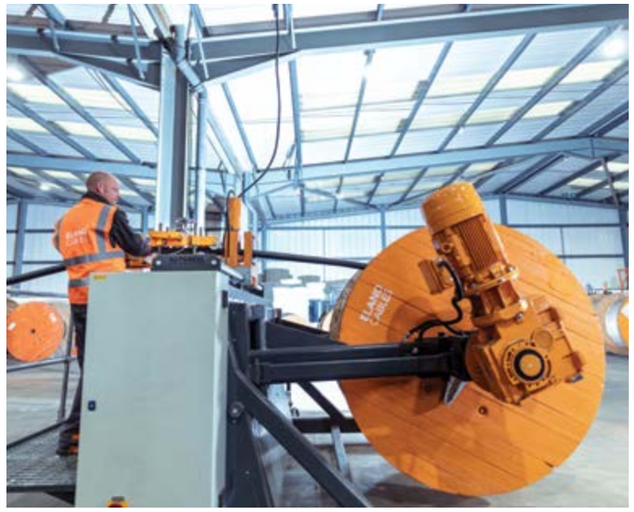
Look to us for innovation, advancement, and commercial benefits. Together, we can deliver solutions that cut costs, reduce labour, or enhance the profile of an installation. Let us identify the opportunity: as part of your supply chain we can offer improvements, whether in quality and compliance, on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

Clean, renewable energy is essential to meet our growing power demands, but it requires a robust, reliable cable network to efficiently distribute and a network of high performance cables to transmit data, control systems and monitor operations. Quality and performance matter greatly if we're to effectively harness these energy sources.

Ivan Cleere, Head of Technical/QA



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CABLES

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RTS 793738

bsi ISO 45001 Occupational Health and Safety Management CERTIFIED
OHS 672066

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ENMS 776260

IECEE CBTL Accredited Testing Laboratory

UKAS TESTING 8578 ISO/IEC 17025 Accredited Testing Laboratory

bsi Cable Verification KITEMARK™
KM 662609

SILVER FORS FLEET OPERATOR RECOGNITION SCHEME ID:012590

GOLD | Top 5% ecovadis Sustainability Rating AUG 2024