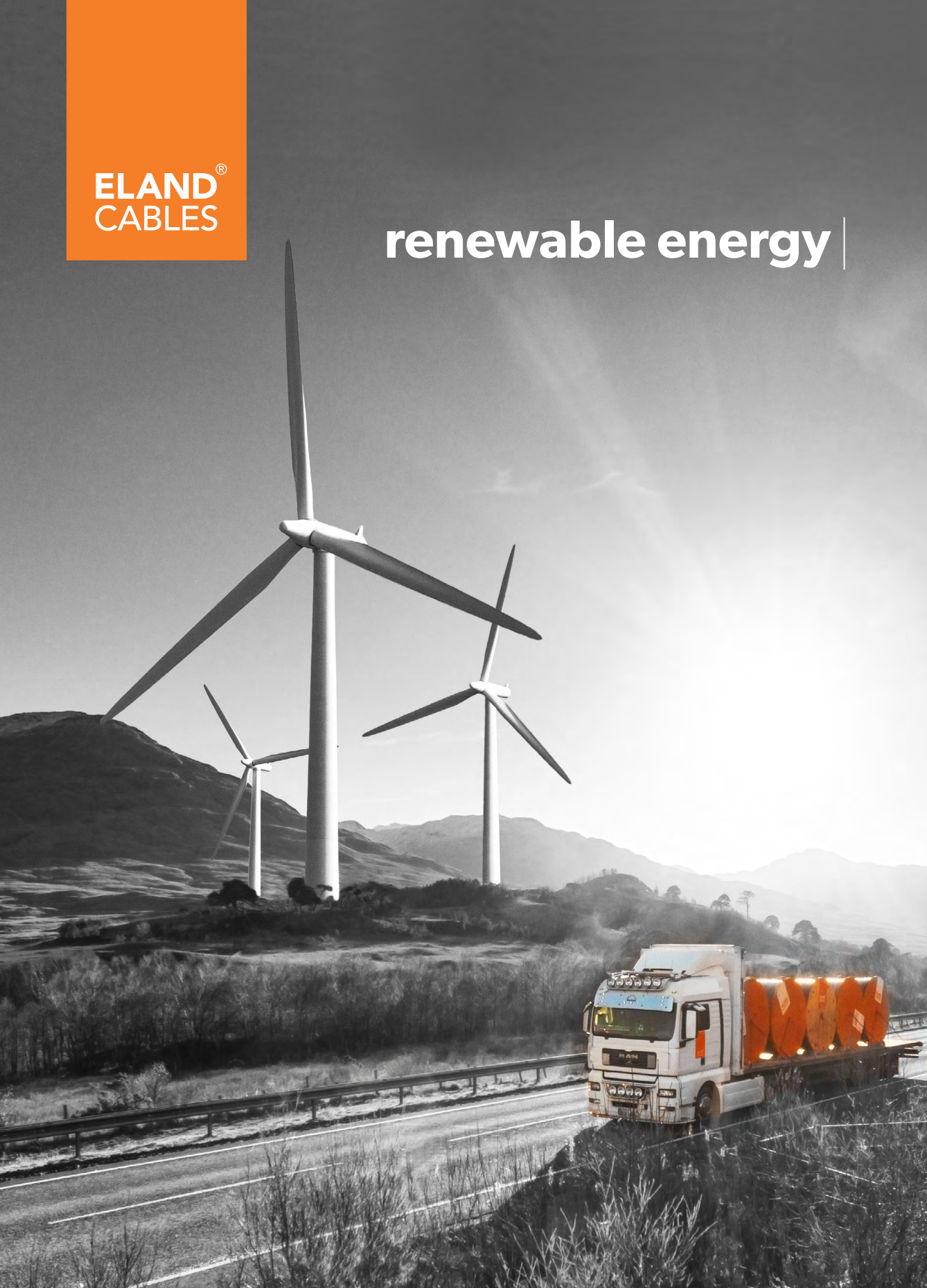


ELAND[®]
CABLES

renewable energy |



**WE
DELIVER**

Our cables support large-scale renewable energy projects both onshore and offshore, across solar, wind and hydro-electric installations & operating even under the most extreme environmental conditions.

We also support innovative solutions for energy monitoring and consumption reduction, making green energy solutions accessible to everyone.



**COMPLETE
CABLE
SOLUTIONS**

From concept to completion our cable solutions deliver the performance and reliability your project demands

END-TO-END SUPPORT

From concept to completion, our cable solutions cover the full project spectrum from cable selection or design and product approval, to delivery scheduling, inventory management, cable cutting, just-in-time delivery and batch traceability. Our services also include classroom-based or onsite cable training, cable testing and fault investigation.

COMPREHENSIVE STOCKHOLDING

Our operations are geared around a same-day despatch from our vast stockholding of cables, manufactured to British and international standards. For larger project requirements, we offer some of the shortest manufacturing lead-times in the industry.

RELIABLE, GLOBAL REACH

Our network of trusted logistics solutions have made us the partner of choice for major renewable energy organisations and their contractors around the world.

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



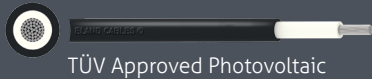
APPROVED
PRODUCTS

We have one of the most comprehensive portfolios of cables for renewable energy projects in the industry

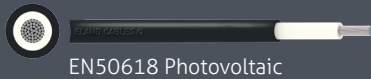
These include our TÜV-approved photovoltaic cable and DNO approved Medium Voltage cables

CABLE RANGE

Solar



TÜV Approved Photovoltaic



EN50618 Photovoltaic

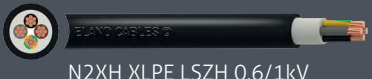
Low Voltage Power



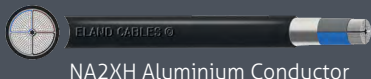
N2XY XLPE PVC 0.6/1kV



NA2XY Aluminium Conductor
XLPE PVC - 0.6/1kV



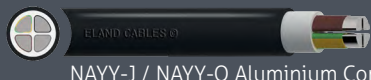
N2XH XLPE LSZH 0.6/1kV



NA2XH Aluminium Conductor
XLPE LSZH 0.6/1kV



NYY-J / NYY-O PVC 0.6/1kV



NAYY-J / NAYY-O Aluminium Conductor
PVC 0.6/1kV

Medium Voltage Power



BS 6622 XLPE PVC 6.35/11 (12)kV



BS 6622 XLPE PVC 19/33 (36)kV



BS 7835 XLPE LSZH 6.35/11 (12)kV

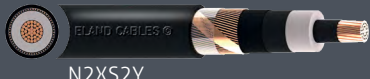


BS 7835 XLPE LSZH 19/33 (36)kV

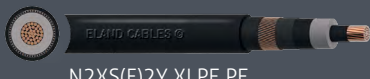
Medium Voltage Power



N2XS(X) XLPE PVC
6/10kV, 12/20kV, 18/30kV



N2XS2Y
XLPE PE 6/10kV, 12/20kV, 18/30kV



N2XS(F)2Y XLPE PE
6/10kV, 12/20kV, 18/30kV



N2XS(FL)2Y 6/10kV, 12/20kV



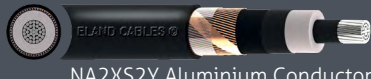
N2XSEY XLPE PVC 6/10kV



UKPN, SSE, WPD, ENW, NPG,
SPEN 19/33kV



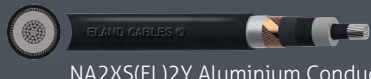
NA2XS(X) Aluminium Conductor
XLPE PVC 6/10kV, 12/20kV, 18/30kV



NA2XS2Y Aluminium Conductor
XLPE PE 6/10kV, 12/20kV, 18/30kV



NA2XS(F)2Y Aluminium Conductor
XLPE PE 6/10kV, 12/20kV, 18/30kV



NA2XS(FL)2Y Aluminium Conductor
XPLE PE 6/10kV, 12/20kV, 18/30kV



UKPN, SSE, WPD, ENW, NPG,
SPEN 6.35/11kV

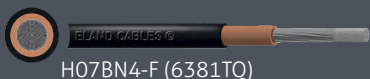
Rubber Flexible



H07ZZ-F LSZH



H07RN-8-F

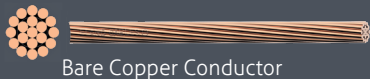


H07BN4-F (6381TQ)



H07RN-F

Bare Conductors



Bare Copper Conductor

"We turned to Eland Cables following difficulty with specific cable supply for a business critical project. They understood our problem and manufactured and delivered our entire cable requirement within 4 weeks from placement of order. I was impressed with the customer experience received from Eland Cables and wouldn't hesitate in recommending them as a first-class supply partner."

Imtech

TECHNICAL EXPERTISE

"The expert technical staff and high-end facilities at The Cable Lab® were excellent and very impressive. The cable-testing process itself was exhaustive and provided us with the independent assessment report we needed. The level of expertise and service in their UKAS-accredited facility puts them at the forefront of UK cable testing and inspection services."



✓ **ISO 9001**
BS EN Management System Certification

✓ **ISO 14001**
BS EN Environmental Certification

✓ **ISO 17025**
UKAS Accredited Cable Testing Laboratory

✓ **OHSAS 18001**
Occupational Health & Safety Certification



Unrivalled cable expertise and industry knowledge, alongside The Cable Lab®, a centre of technical excellence for cable testing



CABLE SPECIFICATION

Our technical team can advise on cable selection, taking into account end use, industry regulations, installation environments, and potential future regulatory requirements.

With documented recommendations and full technical specifications, our experts can help ensure compliance is achieved and due diligence has been observed.



CUSTOMISED CABLE SOLUTIONS

In some instances, standard cables will not meet all of the requirements of a particular application. This is when our technical expertise and experience comes together to develop the ideal cable, from design through to manufacturing.



TECHNICAL HOTLINE

Our technical team is on hand for direct advice for our customers, by phone and by email.



CPD-CERTIFIED CABLE TRAINING

Recognising the need for expert cable training as industry standards, regulations and technology continue to evolve, we offer a wide range of training courses including CPD-certified modules.



ISO 17025 UKAS ACCREDITATION

The Cable Lab® is a recognised centre of technical excellence, holding ISO 17025 UKAS¹ accreditation which certifies the competence, impartiality and performance capability of our cable testing facility and its valuations.



BSI ROHS TRUSTED KITEMARK™

Eland Cables holds the BSI RoHS Trusted Kitemark™, a distinction only available to organisations that can demonstrate their ability to comply with the RoHS Directive. It underlines our commitment to ensuring only compliant cables reach the wider supply chain.



THIRD-PARTY CABLE ASSESSMENT AND FAULT INVESTIGATION

In the event of a fault or suspected fault on a cable from any source, including third parties, we provide independent investigation of the issue, undertake testing, and produce full test reports.



THE ELAND QUALITY MARK

Our experienced technicians employ some of the industry's most advanced equipment to perform a full range of tests as part of our routine QA procedures. Our ISO 9001 quality systems also include the periodic audit of our supply chain to ensure the quality of the materials at source.

¹The United Kingdom Accreditation Service is the sole national accreditation body recognised by Government to assess, against internationally agreed standards, organisations that provide certification, testing, inspection and calibration services.

CASE STUDY

ADDAX BIOENERGY SIERRA LEONE

The sweet taste of clean energy

PROJECT SCOPE

Construction of a sugarcane-based bioenergy facility to supply up to 15mW of power to the country's National Grid.

REQUIREMENT

Complete cable supply to include power, control and instrumentation cables meeting British standards.

ELAND CABLES SOLUTION

- Eland Cables' technical experts worked closely with the client's design team to determine the cables specifications for each element of the plant, as well as the corresponding accessories that would be required
- Over 20 containers of cables will be provided over a two-year period in this multimillion pound requirement
- This landmark renewable energy plant, capable of supplying 20% of the needs of the country's National Grid, was completed on time.



CASE STUDY

BRITISH ANTARCTIC SURVEY ANTARTICA



Polar science projects

PROJECT SCOPE

Renovations to a research station operational throughout the year, conducting biodiversity and climate change studies on the southern tip of the Antarctic peninsula.

REQUIREMENT

Power and control cables and cable accessories capable of resisting extremely low temperatures and a changeable environment without compromising on performance and safety.

ELAND CABLES SOLUTION

- British standard cables with suitable sub-zero operating temperatures and robust construction identified
- Technical support provided for installation and termination
- Coordination of international logistics to ensure consignment reached its remote destination in time for upgrade work, even when allowing for adverse weather delays.

CASE STUDY

MASDAR MAURITANIA

Using solar power to tackle energy shortages

PROJECT SCOPE

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

REQUIREMENT

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

ELAND CABLES SOLUTION

- Cables available from stock for immediate despatch
- Cut to custom lengths to facilitate installation and minimise wastage
- Packaged using heat-treated wooden packaging in compliance with the country's ISPM 15 regulations to smooth customs transit.



Harnessing the power of the sun

PROJECT SCOPE

Construction of four large-scale solar farms with a collective output of 60mW.

REQUIREMENT

Complete package of cables for onsite power and connection to the National Grid.

ELAND CABLES SOLUTION

- Within each of the solar farm sites a network of cables including direct burial power cables and photovoltaic cables were needed to connect the panel arrays. To distribute power around the site, as well as transmit the generated renewable energy back out to the National Grid, a series of power-network approved cables including medium voltage aluminium conductor cables were also required
- Our technical engineers tested and confirmed all cables were both compliant with relevant standards and would endure the installation environment for an expected 25 year lifespan
- These cables were then supplied from stock and delivered to each of the 4 locations on a just-in-time basis to mitigate onsite handling and storage. As an added precaution, the cable drums were supplied with branded protective wrapping to help identify any tampering onsite due to limited security.





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