


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 <p>UKAS TESTING 8578</p> <p>Accredited to ISO/IEC 17025:2017</p>	<h3>Eland Cables Limited</h3> <p>Issue No: 012 Issue date: 28 November 2024</p>	
	<p>Eland Road Denaby Lane Industrial Estate Denaby Main Doncaster DN12 4HA</p>	<p>Contact: Ivan Cleere Tel: +44 (0) 1709 856001 Fax: +44 (0) 1709 856005 E-Mail: qa@elandcables.com Website: www.elandcables.com</p>
<p>Testing performed at the above address only</p>		

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
<p>Electric cables: Low, Medium & High Voltage Armoured Cable Control Flexible Cable Rail: Signalling , Telecom & Power Rail: Overhead Line Power & General Wiring Cable Medium Voltage Cable Bus Cable High Voltage Cable Fire Performance Cable Marine & Offshore Cable Instrumentation Cable Aluminium Conductors Copper Conductors Fixed Wiring Cable Coaxial Cable Telephone Cable High Temperature Cable Mining, Drilling & Tunnelling Cable Tri-Rated Cable Rubber Flexible Cable Solar Cable Defence Cable LAN Cable Welding Cable</p>	<p>Measurement of insulation thickness Electric and optical fibre cables-Test methods for non-metallic material.</p> <p>Measurement of sheath thickness Electric and optical fibre cables-Test methods for non-metallic material.</p> <p>Measurement of Overall Dimensions Electric and optical fibre cables-Test methods for non-metallic material.</p> <p>Conductor Resistance Conductors of insulated cables.</p> <p>RoHS: Determination of certain substances in electro-technical products Screening- Lead, Mercury, Cadmium, Total Chromium and Total Bromine by X-ray Fluorescence Spectrometry</p> <p>Tensile and Elongation Tests for determining the mechanical properties of insulating and sheathing compounds.</p> <p>Shrinkage Test for Insulations Electric and optical fibre cables-Test methods for non-metallic material.</p>	<p>BS EN 60811-201:2012 +A2:2023 IEC 60811-201:2012 +AMD2:2023</p> <p>BS EN 60811-202:2012 +A2:2023 IEC 60811-202:2012 +AMD2:2023</p> <p>BS EN 60811-203:2012 IEC 60811-203:2012</p> <p>BS EN 60228:2005 IEC 60228:2005</p> <p>Documented In-house method by X-Ray Fluorescence, No. PI35, Conducting RoHS Screening to BS EN 62321-1, IEC 62321-1 in compliance with RoHS Directive 2011/65/EU</p> <p>BS EN 60811-501:2012 +A2:2023 IEC 60811-501:2012 +AMD2:2023</p> <p>BS EN 60811-502:2012 IEC 60811-502:2012</p>



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<p>Electric cables: Low, Medium & High Voltage (cont'd) See Page 1</p>	<p>Hot Set Test for Cross-Linked Materials Electric and optical fibre cables-Test methods for non-metallic material.</p> <p>Pressure Test at High Temperatures for Insulations and Sheaths Electric and optical fibre cables-Test methods for non-metallic material.</p> <p>Test for resistance of Insulations and Sheaths to Cracking (Heat Shock) Electric and optical fibre cables-Test methods for non-metallic material.</p>	<p>BS EN 60811-507:2012 IEC 60811-507:2012</p> <p>BS EN 60811-508:2012 +A2:2023 IEC 60811-508:2012 +AMD2:2023</p> <p>BS EN 60811-509:2012 +A1:2017 IEC 60811-509:2012 +AMD1:2017</p>



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	<p>Insulation Resistance Electrical Test Methods for Low Voltage Energy Cables-</p> <p>Vertical Flame Propagation for a Single Insulated Wire or Cable</p> <p>Two Pulley Flex Test</p> <p>Cold Elongation Test</p> <p>Cold Impact Test</p> <p>Cold Bend Test</p> <p>Thermal Ageing</p> <p>Snatch Test</p> <p>Shore A Hardness</p> <p>Cord Bend Test</p>	<p>BS EN 50395:2005 +A1:2011</p> <p>BS EN 60332-1-2:2004 + A12:2020 IEC 60332-1-2:2004 + AMD1:2015</p> <p>BS EN 50396:2005 + A1:2011 IEC 60227-2:1997+AMD1:2003 (Withdrawn)BS EN 50525-1:2011 Anne A: A.1 IEC 63294:2021 Clause 6.6</p> <p>BS EN 60811-505:2012 IEC 60811-505:2012</p> <p>BS EN 60811-506:2012 IEC 60811-506:2012</p> <p>BS EN 60811-504:2012 IEC 60811-504:2012</p> <p>BS EN 60811-401:2012 +A1:2017 IEC 60811-401:2012 +AMD1:2017</p> <p>IEC 60227-1:2024 Clause 6.6.3.4 IEC 60227-1:2007 (Withdrawn)IEC 60227-2:1997+AMD1:2003 (Withdrawn) IEC 63294:2021 Clause 6.10</p> <p>ASTM D2240-15 (2021) & ISO868 (2003)</p> <p>IEC 60227-1:2024 Clause 6.6.3.3 IEC 60227-1:2007 (Withdrawn) IEC 60227- 2:1997+AMD1:2003 (Withdrawn) IEC 63294:2021 Clause 6.8</p>



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<p>Electric cables: Low, Medium & High Voltage (cont'd) See Page 1</p>	<p>Wear resistance test</p> <p>Static Flexibility Testing</p> <p>Test for resistance to heat of textile braids</p> <p>Mineral oil immersion test for sheath</p> <p>Ozone resistance test on cross-linked compounds</p> <p>UV Accelerated Weathering</p> <p>VLF (Very Low Frequency) Testing</p>	<p>IEC 60245-2 :1994 + A1:1997 + A2:1997 Clause 3.3 (Withdrawn) BS EN 50396:2005 + A1:2011 Clause 6.6 BS EN 50525-1:2011 Annex A.2 IEC 63294:2021 Clause 6.9</p> <p>IEC 60245-2:1994 + A1:1997 + A2:1997 Clause 3.2 (Withdrawn) IEC 60227-2 :1997+A1:2003 clause 3.5 (Withdrawn) BS EN 50396:2005+A1:2011 Clause 6.1 BS EN 50525-2-81:2011 Annex D IEC 63294:2021 Clause 6.7</p> <p>IEC 60245-2:1994 + A1:1997 + A2:1997 Clause 6 (Withdrawn) BS EN 50396:2005 + A1:2011 Clause 7.2 IEC 63294:2021 Clause 6.15</p> <p>BS EN 60811- 404 : 2012 IEC 60811- 404 : 2012</p> <p>BS EN 60811- 403 : 2012 IEC 60811- 403 : 2012</p> <p>BS EN 50289-4-17 (Method B), ISO 4892, ASTM G154</p> <p>IEE400.2-2013</p>



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	<p>Determination of halogen acid gas content on gasses evolved during combustion</p> <p>Determination of acidity (by Ph measurement) and conductivity</p> <p>Solderability test for non-tinned conductors</p> <p>Voltage test on complete cables</p> <p>Voltage test on cores in water</p>	<p>IEC 60754-1:2014+A1 2020 BS EN 60754-1:2014+A1 2020</p> <p>BS EN 60754-2:2014+A1:2020 IEC 60754-2:2011+A1:2019</p> <p>IEC 60245-2:1994+AMD1:1997+AMD2:1997 Clause 1.12(Withdrawn)</p> <p>IEC 63294-1:2021 Clause 6.5</p> <p>BS EN 50396:2005+A1:2011 Clause 8.2</p> <p>IEC 60227-2 :1997+A1:2003 – Clause 2.2 (Withdrawn)</p> <p>IEC 60245-2:1994+AMD1:1997+AMD2:1997– Clause 2.2(Withdrawn)</p> <p>IEC 63294-1:2021 Clause 5.2</p> <p>IEC 60227-2 :1997+A1:2003 – Clause 2.3(Withdrawn)</p> <p>IEC 60245-2:1994+AMD1:1997+AMD2:1997– Clause 2.3 (Withdrawn)</p> <p>IEC 63294-1:2021 Clause 5.3</p>



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	Thermal Stability Loss of mass Thermal Ageing in Air Bomb Flexing Test for Lift Cables Compatibility test on complete cables	BS EN 60811-405:2012 IEC 60811-405:2012 IEC 60811-3-2:1985+A1:1993 (Withdrawn) IEC 60811- 409:2012 BS EN 60811- 409:2012 IEC 60811-3-2 1985 + AMD1:1993 IEC 60811-412:2012 BS EN 60811-412:2012 IEC 60227-6:2001, Clause 4.4.1.1 IEC 60811-401:2012+A1:2017 Clause 4.2.3.4 BS EN 60811-401:2012+A1:2017 Clause 4.2.3.4

END