Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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Accredited to ISO/IEC 17025:2017

Eland Cables Limited

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Testing performed at the above address only

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
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	**Measurement of insulation thickness** Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-201:2012 +A1:2017 IEC 60811-201:2012 +AMD1:2017
	Measurement of sheath thickness Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-202:2012 +A1:2017 IEC 60811-202:2012 +AMD1:2017
	Measurement of Overall Dimensions Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-203:2012 IEC 60811-203:2012
	Conductor Resistance Conductors of insulated cables.	BS EN 60228:2005 IEC 60228:2005
	RoHS: Determination of certain substances in electro-technical products Screening- Lead, Mercury, Cadmium, Total Chromium and Total Bromine by X-ray Fluorescence Spectrometry	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
	Tensile and Elongation Tests for determining the mechanical properties of insulating and sheathing compounds.	BS EN 60811-501:2012 +A1:2018 IEC 60811-501:2012 +AMD1:2018
	Shrinkage Test for Insulations Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-502:2012 IEC 60811-502:2012

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric cables: **Low, Medium & High Voltage** (cont'd) See Page 1	**Hot Set Test for Cross-Linked Materials** Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-507:2012 IEC 60811-507:2012
	Pressure Test at High Temperatures for Insulatons and Sheaths Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-508:2012 +A1:2017 IEC 60811-508:2012 +AMD1:2017
	Test for resistance of Insulations and Sheaths to Cracking (Heat Shock) Electric and optical fibre cables-Test methods for non-metallic material.	BS EN 60811-509:2012 +A1:2017 IEC 60811-509:2012 +AMD1:2017

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	Insulation Resistance Electrical Test Methods for Low Voltage Energy Cables-	BS EN 50395:2005 +A1:2011
	Vertical Flame Propagation for a Single Insulated Wire or Cable	BS EN 60332-1-2:2004 + A12:2020 IEC 60332-1-2:2004 + AMD1:2015
	Two Pulley Flex Test	BS EN 50369:2005 + A1:2011 IEC 60227-2:2007 BS EN 50525-1:2011 Anne A: A.1 IEC 63294:2021 Clause 6.6
	Cold Elongation Test	BS EN 60811-505:2012 IEC 60811-505:2012
	Cold Impact Test	BS EN 60811-506:2012 IEC 60811-506:2012
	Cold Bend Test	BS EN 60811-504:2012 IEC 60811-504:2012
	Thermal Ageing	BS EN 60811-401:2012 +A1:2017 IEC 60811-401:2012 +AMD1:2017
	Snatch Test	IEC 60227-1:2007 IEC 60227-2:1997 (Withdrawn) IEC 63294:2021 Clause 6.10
	Shore A Hardness	ASTM D2240-15 (2021) & ISO868 (2003)
	Cord Bend Test	IEC 60227-1:2007 IEC 60227- 2:1997 (Withdrawn) IEC 63294:2021 Clause 6.8

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric cables: **Low, Medium & High Voltage** (cont'd) See Page 1	Wear resistance test	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
	Static Flexibility Testing	IEC 60245-2:1994 + A1:1997 + A2:1997 Clause 3.2 (Withdrawn) IEC 60227-2 :1997+A1:2003 clause 3.5 BS EN 50396:2005+A1:2011 Clause 6.1 BS EN 50525-2-81:2011 Annex D IEC 63294:2021 Clause 6.7
	Test for resistance to heat of textile braids	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
	Mineral oil immersion test for sheath	BS EN 60811- 404 : 2012 IEC 60811- 404 : 2012
	Ozone resistance test on cross-linked compounds	BS EN 60811- 403 : 2012 IEC 60811- 403 : 2012
	UV Accelerated Weathering	BS EN 50289-4-17 (Method B), ISO 4892, ASTM G154
	VLF (Very Low Frequency) Testing	IEE400.2-2013

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Determination of halogen acid gas content on gasses evolved during combustion	IEC 60754-1:2014+A1 2020 BS EN 60754-1:2014+A1 2020
	Determination of acidity (by Ph measurement) and conductivity	BS EN 60754-2:2014+A1:2020 IEC 60754-2:2011+A1:2019
	Solderability test for non-tinned conductors	IEC 60245-2:1994+AMD1:1997+ AMD2:1997 Clause 1.12, IEC 63294-1:2021 Clause 6.5 BS EN 50396:2005+A1:2011 Clause 8.2
	Voltage test on complete cables	IEC 60227-2 :1997+A1:2003 – Clause 2.2, IEC 60245-2:1994+AMD1:1997+ AMD2:1997– Clause 2.2, IEC 63294-1:2021 Clause 5.2
	Voltage test on cores in water	IEC 60227-2 :1997+A1:2003 – Clause 2.3, IEC 60245-2:1994+AMD1:1997+ AMD2:1997– Clause 2.3, IEC 63294-1:2021 Clause 5.3

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
	Thermal Stability	BS EN 60811-405:2012 IEC 60811-3-2:1985+A1:1993 IEC 60811-405:2012
	Loss of mass	IEC 60811- 409:2012 BS EN 60811- 409:2012 IEC 60811-3-2 1985 + AMD1:1993
	Thermal Ageing in Air Bomb	IEC 60811-412:2012 BS EN 60811-412:2012
	Flexing Test for Lift Cables	IEC 60227-6:2001, Clause 4.4.1.1
	Compatibility test on complete cables	IEC 60811-401:2012+A1:2017 Clause 4.2.3.4 BS EN 60811-401:2012+A1:2017 Clause 4.2.3.4
END		