Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

5950

Accredited to ISO/IEC 17025:2017

British Approvals Service for Cables

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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
ELECTRIC CABLES:		
PVC insulated split concentric with copper conductors	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 4553-1:1998 Excluding clauses 6.3 & 11.3 BS 4553-2:1998 Excluding clauses 6.3 & 11.3 BS 4553-3:1998 Excluding clauses 6.3 & 11.3
Instrumentation cables	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 5308-1: 1986 (withdrawn) Excluding clauses 6, 13.2.1, 13.2.2 & 14 BS 5308-2: 1986 (withdrawn) Excluding clause 14
With thermosetting insulation for rated voltages up to and including 600/1000V and up to and including 1900/3000V	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire	BS 5467:1997 Excluding clause 6.3 and 11.3 BS 5467:2016 inc Corr.1 Excluding clause 11.4 BS 6346:1997 (withdrawn) Excluding clause 6.3 and 11.3 IEC 60502-1:2004 Edition 2.0 BS 7870-3.11:2001 Excluding clause 14.4 BS 7870-3.20:2001 Excluding clause 13.5 BS 7889:1997 (withdrawn) Excluding clause 6.3 BS 7889:2012 Excluding clause 14.3

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Rubber insulated	Dimensional, Electrical, Material, Mechanical, Physical	BS 7919:2001 (withdrawn) Excluding clauses 7.8.5
PVC insulated cables for switchgear and control gear wiring	Dimensional, Electrical, Material, Mechanical, Physical	BS 6231:1998 (withdrawn) Excluding clause 12.2.2 BS 6231:2006 Excluding clause 6.4
PVC-insulated cables (non-armoured) of rated voltage up to 450/750V	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 6004:2000 (withdrawn) Excluding clauses 7.5 & 7.8 BS 6004:2012 Excluding clause 14.3 IEC 60227-1:1993 IEC 60227-1:2007 Edition 3.0 IEC 60227-3:1993 IEC 60227-3:1997 Edition 2.1 Irish standard IS 201 : Part 4:2001 Excluding clause 1.6
Insulated flexible cords and cables of rated voltage up to 450/750V	Dimensional, Electrical, Material, Mechanical, Physical	BS 6500:2000 (withdrawn) Excluding clauses 6.8.5 and 7.8.5
Armoured cables having thermosetting insulation with low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 6724:1997 Excluding clauses 6.3 and 11.3 BS 6724:2016 inc. Corr.1 & 2, Excluding clause 11.4 BS 7846:2000 (withdrawn) Excluding clauses 6.3 & 11.3 BS 7846:2009 Excluding clauses 6.3 & 11.3 BS 7846:2015 Excluding clause 11.4 BS 8573:2012 Excluding clause 14.3
Thermosetting insulated, non-armoured, fire-resistant, single core non-sheathed cables of rated voltage 450/750 V, having low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 8592:2016 Excluding clauses 6.4 & 11.3

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Thermosetting insulated cables (non-armoured) for electric power and lighting with low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 7211:1998 (withdrawn) Excluding clause 13.5 BS 7211:2012 Excluding clause 15.3
Thermosetting insulated cables with limited circuit integrity when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 7629-1:1997 (Withdrawn) Excluding clauses 6.4 & 10.4 BS 7629-1:2008 Excluding clauses 6.4, 10.4 & 13.5 BS 7629-1:2015 Excluding clause 10.4
Flat PVC sheathed flexible cables	Dimensional, Electrical, Material, Mechanical, Physical	BS EN 50214:2006 Excluding table 6 & 11 (1.6 absence of faults on insulation and table 6 (8.2 flexing test)
Mineral-insulated copper sheathed cables with copper conductors	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS EN 60702-1:2002, IEC 60702-1:2002 Excluding clause 11.5 BS EN 60702-1:2002 + A1:2015 Excluding clause 11.5 IEC 60702-1:2002+AMD1:2015 CSV Excluding clause 11.5
Screened cables with low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS 8436:2004 (withdrawn) Excluding clauses 6.4, 10.4 & 14.4 BS 8436:2011 Excluding clauses 6.4, 10.4 & 16.4 Irish Standard IS 273 Table 37 only excluding Annex C (nail penetration test)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric cables - low voltage energy cables of rated voltages up to an including 450/750V	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke	BS EN 50525-1:2011; EN 50525-1:2011 Excluding Ref No 6.1 (Spark test), A.2 (Wear resistance test), A.3 (Three-pulley test), A.4 (Kink test) BS EN 50525-2-11:2011; EN 50525-2-11:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test) BS EN 50525-2-31:2011; EN 50525-2-31:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test) BS EN 50525-2-51:2011; EN 50525-2-51:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test) BS EN 50525-2-72:2011; EN 50525-2-72:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test) BS EN 50525-2-82:2011; EN 50525-2-82:2011 Excluding Ref 1.4 absence of faults in insulation (Spark test) BS EN 50525-1:2011; EN 50525-1:2011 Excluding Ref No 6.1 (Spark test), A.2 (Wear resistance test), A.3 (Three-pulley test), A.4 (Kink test) BS EN 50525-3-11:2011; EN 50525-3-11:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test) BS EN 50525-3-21:2011; EN 50525-3-21:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric cables - low voltage energy cables of rated voltages up to an including 450/750V (cont'd)	Dimensional, Electrical, Material, Mechanical, Physical, Chemical, Fire, Smoke (cont'd)	
		BS EN 50525-3-31:2011; EN 50525-3-31:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test)
		BS EN 50525-3-41:2011; EN 50525-3-41:2011 Excluding Ref 1.4 absence of faults in insulation (Spark test)
	Continuity of the tin coating - chemical	BS EN 13603:2002 clause 5
Cable marking	Identification and marking	Irish standard IS 274:1988
Rubber and plastics	Volume resistivity	BS 903-C2:1982 BS 2782:Part 2: Method 230A:1982 (withdrawn)
Rubber and plastics	Surface resistivity	BS 903-C1:1991 BS 2782:Part 2: Method 231A:1991 (withdrawn)
Conductors in insulated cables and cords	Dimensional , Electrical, Mechanical	BS EN 60228:2005; IEC 60228:2004
Insulation and sheathing material	Electrical and mechanical	BS 6469-99-1:1992 Excluding clauses 12 and 15 BS 6469-99-2:1992 Excluding clauses 9 and 10
Insulating and sheathing materials for cables	Dimensional , Electrical, Mechanical	BS 7655-0:2006 BS 7655-1.3:2000 BS 7655-4.2:2000 Excluding hot deformation test BS 7655-6.1:1997

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Insulating and sheathing materials for cables	Dimensional , Electrical, Mechanical	BS EN 50363-0-2011 BS EN 50363-1:2005 Excluding properties after ageing in air bomb and ozone resistance BS EN 50363-2-1:2005 Excluding properties after ageing in air bomb, ozone resistance and carbon black BS EN 50363-2-2:2005 BS EN 50363-3:2005 BS EN 50363-4-1:2005 Excluding ozone resistance BS EN 50363-4-2:2005 BS EN 50363-5:2005 Excluding ozone resistance BS EN 50363-6:2005 Excluding ozone resistance BS EN 50363-7:2005 Excluding ozone resistance BS EN 50363-8:2005 Excluding ozone resistance BS EN 50363-10-1:2005 BS EN 50363-10-2:2005 Excluding resistance against saponification
Nonferrous metallic coatings on steel wire	Galvanising mass per unit area, dimensional	BS EN 10244-1:2001 (withdrawn) clause 5.2.1 BS EN 10244-2:2001 (withdrawn) clause 5.2.2 BS EN 10244-1:2009 clause 5.2.1 BS EN 10244-2:2009 clause 5.2.2
Metallic materials	Tensile testing. Part 1: Method of test at ambient temperature	BS EN 10002-1:2001 (withdrawn) Tensile strength Al wire only BS EN ISO 6892-1:2009 Tensile strength Al wire only BS EN ISO 6892-1:2016 Tensile strength Al wire only

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Cables - Tests under fire conditions	Measurement of smoke density of cables burning under defined conditions	BS EN 50268-1:2000 (withdrawn) BS EN 50268-2:2000 (withdrawn) BS EN 61034-1:2005; IEC 61034-1:2005) BS EN 61034-2:2005; IEC 61034-2:2005) BS EN 61034-1:2005 + A1:2014 IEC 61034-1:2005 + AMD1:2013 CSV BS EN 61034-2:2005+A1:2013 IEC 61034-2:2005+AMD1:2013 CSV
	Test for vertical flame propagation for a single insulated wire or cable	BS EN 60332-1-1:2004; IEC 60332-1-1:2004 BS EN 60332-1-1:2004 + A1:2015 IEC 60332-1-1:2004 + AMD1:2015 CSV BS EN 60332-1-2:2004; IEC 60332-1-2:2004 BS EN 60332-1-2:2004 + A1:2015 BS EN 60332-1-2:2004 + A11:2016 IEC 60332-1-2:2004 + AMD1:2015 CSV BS EN 60332-1-3:2004 + A1:2015 IEC 60332-1-3:2004 + AMD1:2015 CSV
	Tests on gases evolved during combustion of materials from cables	BS EN 50267-1:1999
	Determination of the amount of halogen acid gas	BS EN 50267-2-1:1999 IEC 60754-1:2011 BS EN 60754-1:2014
	Determination of degree acidity of gases for materials by measuring pH and conductivity	BS EN 50267-2-2:1999 IEC 60754-2:2011 BS EN 60754-2:2014

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Cables - Tests under fire conditions (cont'd)	Determination of degree of acidity of gases for cables by determination of the weighted average of pH and conductivity	BS EN 50267-2-3:1999 IEC 60754-2:2011 BS EN 60754-2:2014
Electric and optical fibre cables – Test methods for non-metallic materials	General	BS EN 60811-100:2012; IEC 60811-100:2012
	Measurement of insulation thickness	BS EN 60811-201:2012; IEC 60811-201:2012 BS EN 60811-1-1:1995 clause 8.1 (withdrawn)
	Measurement of thickness of non- metallic sheath	BS EN 60811-202:2012; IEC 60811-202:2012 BS EN 60811-1-1:1995 clause 8.2 (withdrawn)
	Measurement of overall dimensions	BS EN 60811-203:2012; IEC 60811-203:2012 BS EN 60811-1-1:1995 clause 8.3 (withdrawn)
	Thermal ageing methods. Ageing in an air oven	BS EN 60811-401:2012; IEC 60811-401:2012 BS EN 60811-1-2:1995 clause 8.1 (withdrawn)
	Water absorption tests	BS EN 60811-402:2012; IEC 60811-402:2012 BS EN 60811-1-3:1995 clause 9 (withdrawn)
	Thermal stability test for PVC insulations and PVC sheaths	BS EN 60811-405:2012; IEC 60811-405:2012 BS EN 60811-3-2:1995 clause 9 (withdrawn)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric and optical fibre cables – Test methods for non-metallic materials (cont'd)	Loss of mass test for thermoplastic insulations and sheaths	BS EN 60811-409:2012; IEC 60811-409:2012 BS EN 60811-3-2:1995 clause 8 (withdrawn)
	Tests for determining the mechanical properties of insulating and sheathing compounds	BS EN 60811-501:2012; IEC 60811-501:2012 BS EN 60811-1-1:1995 clause 9 (withdrawn)
	Shrinkage test for insulations	BS EN 60811-502:2012; IEC 60811-502:2012 BS EN 60811-1-3:1995 clause 10 (withdrawn)
	Shrinkage test for sheaths	BS EN 60811-503:2012; IEC 60811-503:2012 BS EN 60811-1-3:1995 clause 11 (withdrawn)
		BS EN 60811-409:2012; IEC 60811-409:2012 BS EN 60811-3-2:1995 clause 8 (withdrawn)
	Bending tests at low temperature for insulation and sheaths	BS EN 60811-504:2012; IEC 60811-504:2012 BS EN 60811-1-4:1995 clauses 8.1 & 8.2 (withdrawn)
	Elongation at low temperature for insulations and sheaths	BS EN 60811-505:2012; IEC 60811-505:2012 BS EN 60811-1-4:1995 clauses 8.3 & 8.4 (withdrawn)
	Impact test at low temperature for insulations and sheaths	BS EN 60811-506:2012; IEC 60811-506:2012 BS EN 60811-1-4:1995 clause 8.5 (withdrawn)
	Hot set test for cross-linked materials	BS EN 60811-507:2012; IEC 60811-507:2012 BS EN 60811-2-1:1998 clause 9 (withdrawn)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Electric and optical fibre cables – Test methods for non-metallic materials (cont'd)	Pressure test at high temperature for insulation and sheaths	BS EN 60811-508:2012; IEC 60811-508:2012 BS EN 60811-3-1:1995 clause 8 (withdrawn)
	Test for resistance of insulations and sheaths to cracking (heat shock test)	BS EN 60811-509:2012; IEC 60811-509:2012 BS EN 60811-3-1:1995 clause 9 (withdrawn)
	Methods for determining the density	BS EN 60811-606:2012; IEC 60811-606:2012 BS EN 60811-1-3:1995 clause 8 (withdrawn)
Electrical test methods for low voltage energy cables	Dimensional, Electrical, Physical	BS EN 50395:2005 Excluding clauses 10.2 & 12
Non-electrical test methods for low voltage energy cables	Dimensional, Material, Mechanical, Physical	BS EN 50396:2005 Excluding clauses 6.3, 6.5, 6.6, 6.7, 7, 8, 9, 10
Cables - Tests under fire conditions	Power, control and communication cables. Cables for general applications in construction works subject to reaction to fire requirements	BS EN 50575:2014 + A1:2016
	Fire classification of construction products and building elements. Classification using data for reaction to fire tests on electric cables	BS EN 13501-6:2014
	Electric cables. Extended application of test results	PD CLC/TS 50576:2014 PD CLC/TS 50576:2016
	Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results	BS EN 50399:2011+A1:2016
	Test for vertical flame spread of vertically-mounted bunched wires or cables. Apparatus	BS EN 60332-3-10:2009 IEC 60332-3-10:2000 + AMD1:2008 CSV

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Cables - Tests under fire conditions (cont'd)	Test for vertical flame spread of vertically-mounted bunched wires or cables. Category A F/R	BS EN 60332-3-21:2009 IEC 60332-3-21:2000 BS EN 50266-2-1:2001 Withdrawn
	Test for vertical flame spread of vertically-mounted bunched wires or cables. Category A	BS EN 60332-3-22:2009 IEC 60332-3-22:2000+Amd 1:2008 BS EN 50266-2-2:2001 Withdrawn
	Test for vertical flame spread of vertically-mounted bunched wires or cables. Category B	BS EN 60332-3-23:2009 IEC 60332-3-23:2000+Amd 1:2008 BS EN 50266-2-3:2001 Withdrawn
	Test for vertical flame spread of vertically-mounted bunched wires or cables. Category C	BS EN 60332-3-24:2009 IEC 60332-3-24:2000+Amd 1:2008 BS EN 50266-2-4:2001 Withdrawn
	Test for vertical flame spread of vertically-mounted bunched wires or cables. Category D	BS EN 60332-3-25:2009 IEC 60332-3-25:2000+Amd 1:2008 BS EN 50266-2-5:2001 Withdrawn
	Tests for electric cables under fire conditions - Circuit integrity - Part 21: Procedures and requirements - Cables of rated voltage up to and including 0,6/1,0 kV	IEC 60331-21:1999
	Test method for resistance to fire of cables required to maintain circuit integrity under fire conditions	BS 6387: 2013 Protocols C, W & Z
	Specification for performance requirements for cables required to maintain circuit integrity under fire conditions	BS 6387: 1994 Categories A, B, C, S, W, X, Y & Z (withdrawn)

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Cables - Tests under fire conditions (cont'd)	Method for assessment of fire integrity of large diameter power cables for use as components for smoke and heat control systems and certain other active fire safety systems	BS 8491: 2008
	Methods of test for assessment of the fire integrity of electric cables. Test for unprotected small cables for use in emergency circuits. BS EN 50200 with a 930° flame and with water spray	BS 8434-2: 2003+A2:2009
	Fire, smoke, chemical	LUL S1085:A4:2015 Clauses 3.5.1 & 3.5.2 (replacing LUL1-085:A3:2011 clause 3.3.3), excluding BS EN ISO 4589-3
	Fire, smoke	BS EN 45545-2:2013 + A1:2015 R15 & R16 excluding T15
	Fire	BS EN 50305:2002 Clause 9 excluding 9.2.2 & 9.2.3
	Fire, smoke	BS 6853:1999 Tables 13/14 excluding Annex B
	Tests for electric cables under fire conditions - Circuit integrity - Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm	IEC 60331-1:2009
	Tests for electric cables under fire conditions - Circuit integrity - Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm	IEC 60331-2:2009

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used
Cables - Tests under fire conditions (cont'd)	Tests for electric cables under fire conditions - Circuit integrity - Part 3: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV tested in a metal enclosure	IEC 60331-3:2009
	Method of test for resistance to fire of larger unprotected power and control cables for use in emergency circuits	BS EN 50362:2003
	Method of test for resistance to fire of unprotected small cables for use in emergency circuits	BS EN 50200:2006 including Annex E BS EN 50200:2015 including Annex E
Communication Cables	Conductor loop resistance	BS EN 50289-1-2:2001
	Conductor resistance unbalance	BS EN 50289-1-2:2001
	Dielectric strength	BS EN 50289-1-3:2001
	Insulation resistance	BS EN 50289-1-4:2001
	Mutual Capacitance	BS EN 50289-1-5:2001
	Capacitance unbalance	BS EN 50289-1-5:2001
	Inductance	BS EN 50289-1-12:2005
	Inductance to resistance ratio	BS EN 50289-1-12:2005
	Velocity of Propagation	BS EN 50289-1-7:2001
	Propagation delay difference (skew)	BS EN 50289-1-7:2001
	Longitudinal attenuation	BS EN 50289-1-8:2017
	Longitudinal conversion loss (LCL)	BS EN 50289-1-9:2017
	Near end crosstalk (NEXT)	BS EN 50289-1-10:2002
	Equal level far end crosstalk (ACR-F)	BS EN 50289-1-10:2002
	Power sum (PS) of crosstalk loss	BS EN 50289-1-10:2002
	Characteristic Impedance	BS EN 50289-1-11:2016
	Return Loss	BS EN 50289-1-11:2016
	Coupling attenuation	BS EN 50289-1-6:2002
	Transfer Impedance	BS EN 50289-1-6:2002
	Screening attenuation	BS EN 50289-1-6:2002
	Exogenous crosstalk	BS EN 50289-1-17:2015

END

Accreditation for the purpose of UK Approved Body Activity in accordance with UKCA Requirements and UKAS Publication GEN 5

Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties / Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.	Annex V- Test Laboratory System 3	2011/284/EU Power, control and communication cables (1/3) - Power, control and communication cables (for uses subject to regulations on reaction to fire)	EN 50575:2014 + A1:2016

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Accreditation for the purpose of Notified Body Activity relating to the Northern Ireland market (CE + UKNI) taking into account EA-2/17

Directive / Regulation	Conformity Assessment procedure/ Module/article	Category of products or individual products	Essential requirements: Product specification / Properties / Standards
Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020	Annex V- Test Laboratory System 3	2011/284/EU Power, control and communication cables (1/3) - Power, control and communication cables (for uses subject to regulations on reaction to fire)	EN 50575:2014 + A1:2016
END			