Schedule of Accreditation

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Accredited to ISO/IEC 17025:2017

BASEC Group Ltd

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Presley House
Presley Way
Crownhill
Milton Keynes
MK8 0ES
United Kingdom

Contact: Tracie Hunter
Tel: +44 (0) 1908 267300
Fax: +44 (0) 1908 267255
E-Mail: mail@basec.org.uk
Website: www.basec.org.uk

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details		Activity	Location code
Address Presley House Presley Way Crownhill Milton Keynes MK8 0ES United Kingdom	**Local contact** Tracie Hunter Tel: +44 (0) 1908 267300 Fax: +44 (0) 1908 267255 E-Mail: mail@basec.org.uk Website: www.basec.org.uk	Dimensional Electrical Material Mechanical Physical Fire Smoke	A
Address BASEC Group Ltd trading as BASEC Middle East (Operating name) PBU E78 & E79 Dubai Production City Dubai United Arab Emirates	**Local contact** Tracie Hunter Tel: +44 (0) 1908 267300 Fax: +44 (0) 1908 267255 E-Mail: mail@basec.org.uk Website: www.basec.org.uk	Dimensional Electrical Material Mechanical Physical Chemical Fire	B

DETAIL OF ACCREDITATION

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES:			
PVC insulated split concentric with copper conductors	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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	A
Instrumentation cables	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	BS 5308-1: 1986 (withdrawn) Excluding clauses 6, 13.2.1, 13.2.2 & 14 BS 5308-2: 1986 (withdrawn) Excluding clause 14	A
With thermosetting insulation for rated voltages up to and including 600/1000V and up to and including 1900/3000V	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Chemical	BS 5467:1997 Excluding clauses 6.3 and 11.3 BS 5467:2016 inc Corr.1 Excluding clause 11.4 BS 6346:1997 (withdrawn) Excluding clause 6.3 and 11.3 IEC 60502-1:2004 Edition 2.0 IEC 60502-1:2021 BS 7870-3.11:2001 Excluding clause 14.4 BS 7870-3.20:2001 Excluding clause 13.5 BS 7889:1997 (withdrawn) Excluding clause 6.3 BS 7889:2012 Excluding clause 14.3	A A A
Rubber insulated	Dimensional, Electrical, Material, Mechanical, Physical	BS 7919:2001 (withdrawn) Excluding clause 7.8.5	A
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	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
PVC-insulated cables (non- armoured) of rated voltage up to 450/750V	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	BS 6004:2000 (withdrawn) Excluding clauses 7.5 & 7.8 BS 6004:2012+A1:2020 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	A A A
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	A
Armoured cables having thermosetting insulation with low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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	A
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, Fire, Smoke, Chemical	BS 8592:2016 Excluding clauses 6.4 & 11.3	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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, Fire, Smoke, Chemical	BS 7211:1998 (withdrawn) Excluding clause 13.5 BS 7211:2012 +A1:2020 Excluding clause 15.3	A A
Thermosetting insulated cables with limited circuit integrity when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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 + A1:2019 Excluding clause 10.4	A A
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)	A
Mineral-insulated copper sheathed cables with copper conductors	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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	A
Screened cables with low emission of smoke and corrosive gases when affected by fire	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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)	A
Electric cables - low voltage energy cables of rated voltages up to an including 450/750V	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical	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)	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electric cables - low voltage energy cables of rated voltages up to an including 450/750V (cont'd)	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical (continued)	BS EN 50525-2-11:2011; EN 50525-2-11:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test)	A
		BS EN 50525-2-31:2011; EN 50525-2-31:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test)	A
		BS EN 50525-2-51:2011; EN 50525-2-51:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test)	A
		BS EN 50525-2-72:2011; EN 50525-2-72:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test)	A
		BS EN 50525-2-82:2011; EN 50525-2-82:2011 Excluding Ref 1.4 absence of faults in insulation (Spark test)	A
		BS EN 50525-3-11:2011; EN 50525-3-11:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test)	A
		BS EN 50525-3-21:2011; EN 50525-3-21:2011 Excluding Ref 1.6 absence of faults in insulation (Spark test)	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electric cables - low voltage energy cables of rated voltages up to an including 450/750V (cont'd)	Dimensional, Electrical, Material, Mechanical, Physical, Fire, Smoke, Chemical (continued)	BS EN 50525-3-31:2011; EN 50525-3-31:2011 Excluding Ref 1.5 absence of faults in insulation (Spark test)	A
		BS EN 50525-3-41:2011; EN 50525-3-41:2011 Excluding Ref 1.4 absence of faults in insulation (Spark test)	A
Cable marking	Identification and marking	Irish standard IS 274:1988	A
Rubber and plastics	Volume resistivity	BS 903-C2:1982 BS 2782:Part 2: Method 230A:1982 (withdrawn)	A
Rubber and plastics	Surface resistivity	BS 903-C1:1991 BS 2782:Part 2: Method 231A:1991 (withdrawn)	A
Conductors in insulated cables and cords	Dimensional, Electrical, Mechanical	BS EN IEC 60228:2024 IEC 60228:2023	A
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	A
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	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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+A1:2011, Excluding properties after ageing in air bomb, ozone resistance and carbon black BS EN 50363-2-2:2005 BS EN 50363-3:2005+A1:2011 Incorporating corrigendum November 2011 BS EN 50363-4-1:2005 Excluding ozone resistance BS EN 50363-4-2:2005 BS EN 50363-5:2005+A1:2011 Excluding ozone resistance BS EN 50363-6:2005+A1:2011 Excluding ozone resistance BS EN 50363-7:2005 Excluding ozone resistance BS EN 50363-8:2005+A1:2011 Excluding ozone resistance BS EN 50363-10-1:2005 BS EN 50363-10-2:2005 Excluding resistance against saponification	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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	A
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	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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 BS EN 61034-1 :2005+A2 :2020 BS EN 61034-2 :2005+A2 :2020 Fire classification of construction products and building elements - Classification using data from reaction to fire tests on power, control and communication cables (BS EN 13501-6) using data from the fire tests detailed below.	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Cables - Tests under fire conditions (cont'd)	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 BS EN 61034-1 :2005+A2 :2020 BS EN 61034-2 :2005+A2 :2020 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	A
	Tests on gases evolved during combustion of materials from cables	BS EN 50267-1:1999	A
	Determination of the amount of halogen acid gas	BS EN 50267-2-1:1999 IEC 60754-1:2011+A1:2019 BS EN 60754-1:2014+A1:2020	A
	Determination of degree acidity of gases for materials by measuring pH and conductivity	BS EN 50267-2-2:1999 IEC 60754-2:2011+A1:2019 BS EN 60754-2:2014+A1:2020	A
	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+A1:2019 BS EN 60754-2:2014+A1:2020	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electric and optical fibre cables – Test methods for non-metallic materials	General	BS EN 60811-100:2012; IEC 60811-100:2012	A
	Measurement of insulation thickness	BS EN 60811-201:2012; IEC 60811-201:2012 BS EN 60811-1-1:1995 clause 8.1 (withdrawn)	A
	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)	A
	Measurement of overall dimensions	BS EN 60811-203:2012; IEC 60811-203:2012 BS EN 60811-1-1:1995 clause 8.3 (withdrawn)	A
	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)	A
	Water absorption tests	BS EN 60811-402:2012; IEC 60811-402:2012 BS EN 60811-1-3:1995 clause 9 (withdrawn)	A
	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)	A
	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)	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electric and optical fibre cables – Test methods for non-metallic materials (cont'd)	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)	A
	Shrinkage test for insulations	BS EN 60811-502:2012; IEC 60811-502:2012 BS EN 60811-1-3:1995 clause 10 (withdrawn)	A
	Shrinkage test for sheaths	BS EN 60811-503:2012; IEC 60811-503:2012 BS EN 60811-1-3:1995 clause 11 (withdrawn)	A
		BS EN 60811-409:2012; IEC 60811-409:2012 BS EN 60811-3-2:1995 clause 8 (withdrawn)	A
	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)	A
	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)	A
	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)	A
	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)	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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)	A
	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)	A
	Methods for determining the density	BS EN 60811-606:2012; IEC 60811-606:2012 BS EN 60811-1-3:1995 clause 8 (withdrawn)	A
Electrical test methods for low voltage energy cables	Dimensional, Electrical, Physical	BS EN 50395:2005 Excluding clauses 10.2 & 12	A
Non-electrical test methods for low voltage energy cables	Dimensional, Material, Mechanical, Physical	BS EN 50396:2005 Excluding clauses 6.2, 6.3, 6.5, 6.6, 6.7, 7, 8, 9, 10	A
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	A
	Electric cables. Extended application of test results	PD CLC/TS 50576:2014 PD CLC/TS 50576:2016	A
	Heat release and smoke production measurement on cables during flame spread test. Test apparatus, procedures, results.	BS EN 50399:2011+A1:2016	A
	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	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
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	A
	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	A
	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	A
	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	A
	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	A
	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	A
	Test method for resistance to fire of cables required to maintain circuit integrity under fire conditions	BS 6387: 2013 Protocols C, W & Z	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Cables - Tests under fire conditions (cont'd)	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)	A
	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	A
	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	A
	Fire, smoke	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	A
	Fire, smoke	BS EN 45545-2:2020 + A1:2015 R15 & R16 excluding T15	A
	Fire	BS EN 50305:2002 Clause 9 excluding 9.2.1 & 9.2.2 & 9.2.3	A
	Fire, smoke	BS 6853:1999 Tables 13/14 excluding Annex B	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Cables - Tests under fire conditions (cont'd)	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	A
	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 60331-2:2018	A
	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	A
	Method of test for resistance to fire of larger unprotected power and control cables for use in emergency circuits	BS EN 50362:2003	A
	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	A

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Tests		
Electrical cables	Armour wire lay direction	BS 5467:1997 BS 5467:2016 inc Corr.1 BS 6724:1997 BS 6724:2016 BS 7846:2000 (withdrawn) BS 7846:2009 BS 7846:2015	B
	Application of insulation, screen, Bedding / inner covering and Over sheath	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50525-1:2011 I.S.201-4:2013+AC1+2:2014	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Tests (cont'd)		
Electrical cables (cont'd)	Cable / Conductor / drain wire examination and construction	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS EN 50525-1:2011 BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50395:2005+A1:2011 excluding Clause 7 BS EN 50214:2016 BS EN 50618:2014+Corr.Feb 2015 IEC 60227-1:2007 IEC 60227-2:1997+A1:2003 IEC 62930:2017 BS EN IEC 60228:2024 IEC 60228:2023 I.S.201-4:2013+AC1+2:2014	B B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Tests (cont'd)		
Electrical cables (cont'd)	Direction and sequence of lay of cores	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 8436:2011 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 7629-1:2015+A1:2019 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 I.S.201-4:2013+AC1+2:2014	B B B B B
	Fillers and binders application	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 7211:2012+A1:2020 BS EN 50525-2-11:2011 BS EN 50525-2-11:2011 BS EN 50525-1:2011	B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Tests (cont'd)		
Electrical cables (cont'd)	Core Identification - Colour, numbers, clarity and durability	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS 7870-2 BS EN 50525-1:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31;2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50396:2005+A1:2011 Excluding Clause 7.	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Tests (cont'd)		
Electrical cables (cont'd)	Marking content & repeat intervals, Legibility, and durability	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS EN 50618:2014+Corr.Feb 2015 BS EN 50525-1:2011 BS EN 50396:2005+A1:2011, Excluding clause 7 IEC 60227-1:2007 IEC 62930:2017	B B B B B B
	Sheath colour	BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS EN 50525-1:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50618:2014+Corr.2015 IEC 62930:2017	B B B
	Bi-colour combination	BS EN 50396:2005, Excluding clause 7. BS 8573:2012	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Dimensional Cable Tests		
Electrical cables (cont'd)	Core and armour length of lay	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1 +C2 BS 7846:2000 (withdrawn) BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 7629-1:2015+A1:2019	B B B B
	Screen thickness & overlap	BS 7629-1:1997 (withdrawn) BS 7629-1:2008 BS 7629-1:2015+A1:2019 BS 8436:2011 Irish Standard IS 273 Table 37	B B B
	Measurement of Armour wires and Tapes	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021	B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Overall dimensions / External / Mean diameter	BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 6231:2006 Incl. Corr.No.1 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-51:2011 BS EN 50396:2005+A1:2011, Excluding clause 7 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-2:1997+A1:2003 IEC / BS EN 60811-1-1 IEC / BS EN 60811-203 I.S.201-4:2013+AC1+2:201	B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Ovality	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 7629-1:2015+A1:2019 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-2-51:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50396:2005+A1:2011, Excluding clause 7 IEC 62930:2017 IEC 60227-2:1997+A1:2003 I.S.201-4:2013+AC1+2:2014	B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Thickness measurement (insulation, inner- cover, separation sheath, Bedding, Lead sheath, outer sheath)	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2016 BS EN 50618:2014+Corr.Feb 2015 BS EN 50396: 2005+A1:2011, Excluding clause 7 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC / BS EN 60811-1-1 IEC / BS EN 60811-201 IEC / BS EN 60811-202 IEC 60227-2:1997+A1:2003 IEC 60245-2:1994 I.S.201-4:2013+AC1+2:2014	B B B B B B <

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	**Electrical Cable Tests** Conductor / Screen / Armour electrical d.c. resistance	BS 5467:1997 BS 5467:2016 inc Corr.1 BS 6724:1997 BS 6724:2016 inc C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2006 BS EN 50618:2014+Corr.Feb 2015 BS EN 50395:2005+A1:2011 excluding Clause 7 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 62930:2017 IEC 60227-3:1993+A1:1997 BS EN IEC 60228 :2024 IEC 60228 :2023 IEC 60227-2:1997+A1:2003 I.S.201-4:2013+AC1+2:2014	B B B B B B <

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Insulation resistance / Insulation resistance constant / Volume resistivity	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 6231:2006 Incl. Corr.No.1 BS 8592:201 BS 7655-1.3 BS 7655-1.2:1997 BS 7655-4.2:2000 BS 6469-99.2 Cl 8 BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50214:2016 BS EN 50395:2005+A1:2011 excluding Clause 7 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-2:1997+A1:2003 IEC 60227-1:2007 IEC 60227-2:1997+A1:2003 I.S.201-4:2013+AC1+2:2014	B B B B <

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Long term resistance of insulation to d.c.	BS 6004:2012+A1:2020 BS 6231:2006 Incl. Corr.No.1 BS EN 50395:2005+A1:2011 excluding Clause 7 BS EN 50525-1:2011 BS EN 50525-2-11:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50618:2014+Corr.Feb 2015 IEC 62821-2:2015 IEC 62930:2017 I.S.201-4:2013+AC1+2:2014	B B
	Surface Resistance of sheath	BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50525-1:2011 BS EN 50395:2005+A1:2011 excluding Clause 7 IEC 62930:2017	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Voltage test on cores / Complete cable / Voltage test for 4 hours	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2016 BS EN 50618:2014+Corr.Feb 2015 BS EN 50395:2005+A1:2011 excluding Clause 7 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-2:1997+A1:2003 IEC 60227-1:2007 I.S.201-4:2013+AC1+2:2014	B B B B B B <

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests		
Electrical cables (cont'd)	Dynamic Penetration Test for Photovoltaic System	BS EN 50618:2014 (incorporating corrigendum February 2015), Clause 7.3.10 and Annex D; IEC 62930:2017, Table 3 Ref. No. 9, Annex D	B
	Abrasion resistance test	BS 5467:2016 +C1 BS 6724:1997 BS 6724:2016 +C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS EN 60229;2008	B
	Additional ageing test on pieces of complete cables	IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC / BS EN 60811-1-2 IEC / BS EN 60811-401 IEC / BS EN 60811-201 IEC / BS EN 60811-202 IEC / BS EN 60811-501	B B B
	Armour wire tensile test	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+ C2	B
	Armour wire wrapping test	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Bending test at low temperature / Cold Bending test / Bending characteristics	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS 7655-4.2:2000 BS 7655-6.1:1997 Amnd.1. BS EN 50525-2-11:2012 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2006 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-1:2005 BS EN 50363-5:2005+A1:2011 BS EN 50525-3:2005+A1:2011 BS EN 50363-4-1:2005 BS EN 50363-6:2005+A1:2011	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Bending test at low temperature / Cold Bending test / Bending characteristics (continued)	BS EN 50363-7:2005 BS EN 50363-8:2005+A1:2011 BS EN 50363-10-2:2005 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-5:1993+A1+A2 IEC 60811-1-4 IEC / BS EN 60811-504:2012 I.S.2014:2013+AC1+2:2014	B B B
	Carbon black content	IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC/ BS EN 60811-605 IEC / BS EN 60811-4-1	B B B
	Compatibility	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 7870-3.20:2001+A1 BS EN 50525-2-11:2011 BS EN 50525-2.21:2011 BS EN 50525-3.11:2011	B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Compatibility (continued)	BS EN 50525-3-21:2011 BS EN 50525-2-51:2011 BS EN 50618:2014+Corr.Feb 2015 IEC / BS EN 60811-401 IEC / BS EN 60811-501 IEC / BS EN 60811-1-2 IEC 62930:2017 I.S.201-4:2013+AC1+2:2014	B
	Elongation test at low temperature / Cold elongation test	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS 7655-4.2:2000 BS 7655-6.1:1997 Amnd.1 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Elongation test at low temperature / Cold elongation test (continued)	BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-5:2005+A1:2011 BS EN 50525-3:2005+A1:2011 BS EN 50363-4-1:2005 BS EN 50363-6:2005+A1+2011 BS EN 50363-7:2005 BS EN 50363-8:2005+A1:2011 BS EN 50363-1:2005 BS EN 50363-2-1:2005+A1:2011 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC / BS EN 60811-1-4 IEC / BS EN 60811-505 I.S.201-4:2013+AC1+2:2014	B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Hot Set	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012	B
		BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 8592:2016	B B B B
		BS EN 50525-3-41:2011 BS EN 50525-3-21:2011 BS EN 50525-2-21:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-1:2005 BS EN 50363-5:2005+A1:2011 BS EN 50363-6:2005+A1:2011 BS EN 60811-507 BS 7655-1.3: 2000 BS 7655-1.2:1997	
		IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC / BS EN 60811-2-1	 B B
		I.S.201-4:2013+AC1+2:2014	

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Impact test at 60°C	Irish Standard IS 273 Table 37	B
	Impact / resistance to impact test at low temperature	BS 5467:1997	B
		BS 5467:2016+C1	
		BS 6724:1997	
		BS 6724:2016+C1+C2	
		BS 7846:2009	
		BS 7846:2015	
		BS 7889:2012	
		BS 8573:2012	
		BS 6004:2012+A1:2020	B
		BS 8436:2011	B
		BS 7655-4.2:2000	
		BS 7655-6.1:1997 Amnd.1	
		BS 7629-1:2015+A1:2019	B
			B
		BS EN 50525-1:2011	
		BS EN 50525-3-11:2011	
		BS EN 50525-2-31:2011	
		BS EN 50525-3-41:2011	
		BS EN 50525-2-11:2011	
		BS EN 50525-2-21:2011	
		BS EN 50525-3-21:2011	
		BS EN 50525-3-31:2011	
		BS EN 50525-2-51:2011	
		BS EN 50525-2-72:2011	
		BS EN 50214:2016	
		BS EN 50618:2014+Corr.Feb 2015	
		IEC 60502-1:2004+A1:2009	
		IEC 60502-1:2021	B
		IEC 62930:2017	B
		IEC 60227-3:1993+A1:1997	
		IEC 60227-5:1993+A1+A2	
		IEC / BS EN 60811-1-4	
		IEC / BS EN 60811-506	
		I.S.201-4:2013+AC1+2:2014	

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Loss of mass test	BS 5467:1997 BS 5467:2016+C1 BS 7889:2012 BS 7655-4.2:2000 BS 6004:2012+A1:2020 BS 6231:2006 Incl. Corr.No.1 BS EN 50525-2-11:2011 BS EN 50525-2-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50363-4.1:2005 BS EN 50363-3:2005+A1:2011 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-5:1993+A1+A2 IEC / BS EN 60811-3-2 IEC / BS EN 60811-409 I.S.201-4:2013+AC1+2:2014	B B B B B
	Mechanical properties of insulation, bedding, over sheath / non-metallic sheaths before and after ageing in air	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Mechanical properties of insulation, bedding, over sheath / non-metallic sheaths before and after ageing in air (continued).	BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2016 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-1:2005 BS EN 50363-5:2005+A1:2011 - BS EN 50363-3:2005+A1:2011 BS EN 50363-4.1:2005 BS EN 50363-6:2005+A1:2011 BS EN 50363-7:2005 BS EN 50363-8:2005+A1:2011 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 62930:2017 IEC 60227-3:1993+A1:1997 I.S.201-4:2013+AC1+2:2014 BS 7655-1.3:2000 - GP8 BS 7655-1.2:1997 - GP6 BS 7655-4.2:2000 - Type 9 BS 7655-6.1:1997+Amnd.1 IEC / BS EN 60811-1-1 IEC / BS EN 60811-1-2 IEC / BS EN 60811-501 IEC / BS EN 60811-401 IEC / BS EN 60811-201 IEC / BS EN 60811-202	B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Pressure test at high temperature / Hot deformation	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3-20:2001+A1 BS 7655-4.2:2000 BS 7655-6.1:1997 Amnd.1 BS 6469-99.1:1992 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-31:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2016 BS EN 50363-1: 2005 BS EN 50363-5:2005+A1:2011 BS EN 50363-3:2005+A1:2011 BS EN 50363-4.1:2005 BS EN 50363-7:2005 BS EN 50363-8:2005+A1+2011 BS EN 50363-10.2: 2005	B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Pressure test at high temperature / Hot deformation (continued)	IEC 60227-3:1993+A1:1997 IEC 60227-5:1993+A1+A2 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC / BS EN 60811-3-1 IEC / BS EN 60811-508 I.S.201-4:2013+AC1+2:2014	B B B
	Resistance to cracking (Heat shock test)	BS 5467:1997 BS 5467:2016+C1 BS 7889:2012 BS 7655-4.2:2000 BS 6004:2012+A1:2020 BS 6231:2006 Incl. Corr.No.1 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50363-3:2005+A1:2011 BS EN 50363-4.1:2005 BS EN 50363-10-2:2005 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-5:1993+A1+A2 IEC / BS EN 60811-3-1 IEC / BS EN 60811-509 I.S.201-4:2013+AC1+2:2014	B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Shrinkage test on insulation & Sheath	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 8592:2016 BS EN 50525-3-11:2011 BS EN 50525-3-31:2011 BS EN 50618:2014+Corr.Feb 2015 IEC 62930:2017 IEC / BS EN 60811-1-3 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC / BS EN 60811-502 IEC / BS EN 60811-503	B B B B B B B
	Tear resistance	BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7655-6.1:1997+A1 BS 6469-99.1	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Tensile strength & elongation after immersion in water/oil / Acid & Alkaline	BS 6469-99-1:1992 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 8573:2012 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 7655-6.1:1997 Amnd.1 BS EN 50525-3-11:2011 BS EN 50525-2-21;2011 BS EN 50525-2-51:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-2-1:2005+A1:2011 BS EN 50363-4.1:2005 BS EN 50363-6:2005+A1:2011 BS EN 50363-8:2005+A1:2011 BS EN 50363-10-2:2005 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 62930:2017 IEC / BS EN 60811-404 :2012 IEC / BS EN 60811-1-1 IEC / BS EN 60811-2-1 IEC / BS EN 60811-202:2012 IEC / BS EN 60811-501:2012	B B B B B B B
	Thermal stability	BS 6231:2006 Incl. Corr.No.1 BS EN 50525-2-11:2011 BS EN 50525-2-31:2011 BS EN 50363-3:2005+A1:2011 BS EN 50363-4.1:2005 IEC / BS EN 60811-405:2012 IEC 60811-3-2 IEC 60227-3:1993+A1:1997	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Water Absorption test	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 BS 7211:2012+A1:2020 BS 8436:2011 BS 7655-1.3:2000 BS 7655-1.2:1997 IEC / BS EN 60811-1-3 IEC / BS EN 60811-402	B B B B
Electric cables - Low voltage energy cables of rated voltages up to and including 450/750V (Uo/U) Flexible cables with thermoplastic PVC insulation Flexible cables with cross linked elastomeric insulation Cables with special fire performance – Flexible cables with halogen -free thermoplastic insulation, and low emission of smoke	Mechanical strength of completed cable - Flexing test followed, after immersion in water, by a voltage test at 2000V on cores. Mechanical strength of completed cable - Flexing test followed, after immersion in water, by a voltage test at 1500V on cores with specified insulation thickness up to and including 0.6 mm; at 2000V on cores with specified insulation thickness exceeding 0.6 mm. Two-Pulley Flexing Test	BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50396:2005+A1:2011 Cl.6.2 BS EN 50395:2005+A1:2011 BS 6004:2012 BS 6004:2012+A1:2020	B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd	<u>Chemical Cable Tests</u>		
	Mass of Zinc Coating Test	BS 5467:1997 BS 5467:2016 inc Corr.1 BS 6724:1997 BS 6724:2016 C1+C2 BS 7846:2009 BS 7846:2015 BS 7870-8.1:2003 BS EN 10244-2:2009	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	Percentage of Acid Gas Test	BS EN 60754-1:2014 + A1:2020 BS EN 60754-2:2014 + A1:2020 IEC 60754-1:2011+A1:2019 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 8573:2012 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 8592:2016 BS 7655-6.1:1997 Amnd.1 BS EN 50525-3-41:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-5:2005+A1:2011 BS EN 50363-6:2005+A1:2011 BS EN 50363-7:2005 BS EN 50363-8:2005+A1:2011 BS EN 50525-1:2011 BS EN 50267-2-1:1999 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 62930:2017 I.S.201-4:2013+AC1+2:2014	B B B B B B B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
Electrical cables (cont'd)	pH and Conductivity Test	BS EN 60754-1:2014+A1:2020 BS EN 60754-2:2014+A1:2020 IEC 60754-2:2011+A1:2019 BS EN 50525-3-41:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50618:2014+Corr.Feb 2015 BS EN 50363-5:2005+A1:2011 BS EN 50363-6:2005+A1:2011 BS EN 50363-7:2005 BS EN 50363-8:2005+A1:2011 BS EN 50525-1:2011 BS EN 50267-2-2:1999 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60502-2:2014+AMD1: 2024 (excluding clauses 19.12, 19.20, 19.16.3, 19.16.4, 19.16.6.2, 19.16.7.2, 19.16.8) IEC 62930:2017 I.S.201-4:2013+AC1+2:2014	B B B
	Pre-use verification of distilled water	BS EN 60754-2:2014+A1:2020 IEC 60754-2:2011+A1:2019	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Fire Test		
Electrical cables (cont'd)	Flame propagation / Spread on single cable / Flame retardance test	BS 5467:1997 BS 5467:2016+C1 BS 6724:1997 BS 6724:2016+C1+C2 BS 7846:2009 BS 7846:2015 BS 7889:2012 BS 8573:2012 BS 6004:2012+A1:2020 BS 7211:2012+A1:2020 BS 8436:2011 BS 7629-1:2015+A1:2019 BS 6231:2006 Incl. Corr.No.1 BS 8592:2016 BS 7870-3.20:2001+A1 BS EN 50525-2-31:2011 BS EN 50525-3-41:2011 BS EN 50525-2-11:2011 BS EN 50525-2-21:2011 BS EN 50525-3-11:2011 BS EN 50525-3-21:2011 BS EN 50525-3-31:2011 BS EN 50525-2-51:2011 BS EN 50525-2-72:2011 BS EN 50214:2016 BS EN 50618:2014+Corr.Feb 2015 IEC 62930:2017 IEC 60502-1:2004+A1:2009 IEC 60502-1:2021 IEC 60227-3:1993+A1:1997 IEC 60227-5:1993+A1+A2 IEC / BS EN 60332-1-2:2004+A12:2020 I.S.201-4:2013+AC1+2:2014	B B B B B B <

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Electrical Cable Tests		
MV Power Cables	AC Voltage test, Four-hour voltage test	IEC 60502-2: 2014, Cl.16.4, 17.9, 18.2.9 BS 6622:2007+C1+C2, Cl 17.6, 18.16, 20.8 BS 7835:2007+C1, Cl.18.6,19.18, 21.8 BS 7870-4.10:2011 + A1:2016, Cl. 6.5, 7.11, 8.2.8 BS 7870-2, Cl.3.2.1.1, 3.2.5 BS 7870-4.11:2011 + A1:2016. Cl. 6.4, 7.10, 8.2.8 BS 7870-4.20: 2011 + A1:2016, Cl.6.5, 7.10, 8.2.8	B
	DC Voltage test on over-sheath	IEC 60502-2: 2014, Cl.16.5, IEC 60229:2007 BS 6622:2007+C1+C2, Cl.17.8 BS 7835:2007+C1, Cl.18.8 BS 7870-4.10:2011 + A1:2016, Cl. 6.8 BS 7870-4.11:2011 + A1:2016. Cl. 6.7.2 BS 7870-4.20: 2011 + A1:2016, Cl.6.8.1	B
	Electrical dc resistance of conductor / Metallic screen	IEC 60228: 2023 BS EN IEC 60228: 2024 IEC 60502-2: 2014, Cl.16.2 BS 6622:2007+C1+C2, Cl.17.3,17.4 BS 7835: 2007+C1, Cl.18.3,18.4 BS 7870-4.10: 2011 + A1:2016, Cl.6.2, 6.3 BS 7870-2: 2011, Cl 3.1.1 BS 7870-4.11: 2011 + A1:2016, Cl.6.2 BS 7870-4.20: 2011 + A1:2016, Cl.6.2	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
MV Power Cables (cont'd)	Heating Cycle	IEC 60502-2: 2014, Cl.18.2.7, BS 6622:2007+C1+C2, Cl. 20.6 BS EN 61442 IEC 60840 BS 7835:2007+C1, Cl.21.6 BS 7870-4.10:2011 + A1:2016, Cl.8.2.6 BS 7870-2:2011, Cl. 3.8.1 BS 7870-4.11:2011 + A1:2016. Cl. 8.2.6 BS 7870-4.20: 2011 + A1:2016, Cl.8.2.6	B
	Impulse Test	IEC 60502-2: 2014, Cl.18.2.8 BS 6622:2007+C1+C2, Cl. 20.7 IEC 60230, BS EN 61442, IEC 60840 BS 7835:2007+C1, Cl.21.7 BS 7870-4.10:2011 + A1:2016, Cl.8.2.7 BS 7870-2:2011, Cl. 3.2.4.2 BS 7870-4.11:2011 + A1:2016. Cl. 8.2.7 BS 7870-4.20: 2011 + A1:2016, Cl.8.2.7	B
	Insulation resistance measurement / Insulation resistance constant / Volume resistivity	BS 7566-4.2-2000 BS 6469-99.2,Cl.8 BS 6622:2007+C1+C2 BS 7835:2007+C1, Cl.21.10 BS 7870-4.10:2011 + A1:2016, Cl.4.4 BS 7870-2:2011 Cl.3.3.4 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
MV Power Cables (cont'd)	Partial Discharge Test	IEC 60502-2: 2014, Cl.16.3, 18.2.5 IEC / BS EN 60885-3 BS 6622:2007+C1+C2, Cl 17.5, 20.2 BS 7835:2007+C1, Cl.18.3,18.5, 21.2 BS 7870-4.10:2011 + A1:2016, 6.6, 8.2.2 BS 7870-2, Cl.3.10.1 BS 7870-4.11:2011 + A1:2016. Cl. 6.5, 8.2.2 BS 7870-4.20: 2011 + A1:2016, Cl.6.6, 8.2.2	B
	Resistivity of conductor and insulation screens	IEC 60502-2: 2014, Cl.18.2.10 BS 6622:2007+C1+C2, Cl 19.2, 19.4 BS 7835:2007+C1, Cl.20.3,20.6 BS 7870-4.10:2011 + A1:2016, Cl. 7.2, 7.5.3, 8.1.1, 8.1.3 BS 7870-2: 2011, Cl. 3.9.1 BS 7870-4.11:2011 + A1:2016, Cl.7.2, 7.5.3, 8.1.1, 8.13 BS 7870-4.20: 2011 + A1:2016, Cl.7.2, 7.5.3, 8.1.1, 8.1.3	B
	Semi conducting lapped inner covering / water blocking tape resistivity.	BS 6622:2007+C1+C2, Cl 19.6 BS 7835:2007+C1, Cl.20.7 BS 7870-4.10:2011 + A1:2016, Cl. 7.8.1 BS 7870-2:2011, Cl. 3.14 BS 7870-4.11:2011 + A1:2016, Cl. 7.7.2	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)			
MV Power Cables (cont'd)	Tan Delta in relation to temperature	IEC 60502-2: 2014, Cl.18.2.6, BS 6622:2007+c1+C2, Cl 20.5 BS 7835:2007+C1, Cl.21.5 BS 7870-4.10:2011 + A1:2016, Cl.8.2.5 BS 7870-2:2011, Cl. 3.11.1 BS 7870-4.11:2011 + A1:2016. Cl. 8.2.5 BS 7870-4.20: 2011 + A1:2016, Cl.8.2.5	B
	Tan Delta in relation to Voltage	BS 6622:2007, C1+C2, Cl.20.4 BS 7835:2007+C1, Cl.21.4 BS 7870-4.10:2011 + A1:2016, Cl.8.2.4 BS 7870-2:2011, Cl. 3.11.3.1 BS 7870-4.11:2011 + A1:2016. Cl. 8.2.4 BS 7870-4.20: 2011 + A1:2016, Cl.8.2.4	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Cable Construction Test		
MV Power Cables (cont'd)	Application of Conductor screen, Insulation, Insulation screen, metallic screen, water blocking tape, lapped inner covering, lead sheath, bedding, and outer sheath.	IEC 60502-2: 2014 BS 6622:2007+C1+C2, Cl 18.5, 18.9.1,18.10,18.13 BS 7835:2007+C1, Cl.19.9.1,19.13 BS 7870-4.10:2011 + A1:2016, Cl. 4.2.2, 4.2.3, 4.2.4, 4.3, 4.4 BS 7870-4.11:2011 + A1:2016, Cl. 4.2.2, 4.2.3, 4.2.4, 4.3, 4.4, 4.5 BS 7870-4.20: 2011 + A1:2016, Cl.4.2.2, 4.2.3, 4.2.4, 4.6	B
	Assembly of 3 core cables	BS 6622:2007+C1+C2 Cl.18.11 BS 7835:2007+C1, Cl.19.11	B
	Cable & Conductor Construction and examination	IEC 60502-2: 2014, Cl.17.4, BS 6622:2007+C1+C2, Cl.18.4 BS 7835:2007+C1, Cl.19.4 BS 7870-4.10:2011 + A1:2016, Cl. 4.1 BS 7870-4.10:2011 + A1:2016, Cl.4.1 BS 7870-4.20: 2011 + A1:2016, Cl.4.1	B
	Cable Marking, repeat interval, Legibility, and durability	BS 7870-4.10:2011 + A1:2016, 6.7 BS 7870-2, Cl.3.2.1.1 BS 7835:2007+C1, Cl.14 BS 6622:2007+C1+C2, Cl.13 BS 7870-4.10:2011 + A1:2016, Cl.4.5 BS 7870-4.10:2011 + A1:2016, Cl.4.6 BS 7870-4.20: 2011 + A1:2016, Cl.4.7	B
	Lead alloy sheath	BS 7870-4.11:2011 + A1:2016, Cl.8.1.5	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	<u>Dimensional Cable Tests</u>		
MV Power Cables (cont'd)	Circularity of cores	BS 6622:2007+C1+C2, Cl 18.8 BS 7835:2007+C1, Cl.19.8 IEC / BS EN 60811-201 BS 7870-4.10:2011 + A1:2016, Cl. 7.4 BS 7870-4.11:2011 + A1:2016, Cl. 7.4 BS 7870-2:2011 BS 7870-4.20: 2011 + A1:2016, Cl.7.4	B
	Concentricity of Insulation	BS 6622:2017+C1+C2 Cl 18.7.2 BS 7835:2007+C1, Cl.19.7.2 IEC / BS EN 60811-201	B
	External Diameter	IEC 60502:2014 IEC / BS EN 60811-203	B
	Measurement of Armour wires and Tapes	IEC 60502-2: 2014, Cl.17.7 BS 6622:2007+C1+C2, Cl 18.14 BS 7835:2007+C1, Cl.19.14	B
	Metallic screen dimensions, Gap / overlap	BS 6622:2007+C1+C2, cl.18.10 BS 7835:2007+C1, Cl.19.10 BS 7870-4.10:2011 + A1:2016, Cl. 8.1.4 BS 7870-2:2011, Cl. 2.1.6.2 BS 7870-4.20: 2011 + A1:2016, Cl.4.5, 8.1.4	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Dimensional Cable Tests (cont'd)		
MV Power Cables (cont'd)	Thickness measurement (insulation, screens, inner-cover, separation sheath, Bedding, Lead sheath, outer sheath)	IEC 60502-2: 2014 IEC / BS EN 60811-201, IEC / BS EN 60811-202 BS 6622:2007+C1+C2, BS EN / IEC 60811-1-1 BS 7835:2007+C1, Cl.19.7.1,19.12, 19.15 BS 7870-4.10:2011 + A1:2016, Cl. 4.2.2, 4.2.4, 7.3, 7.9 BS 7870-2: 2011, Cl.2.1.11.3, 2.1.1, 2.1.2, 2.1.5 b) BS 7870-4.11:2011 + A1:2016, Cl. 4.2.2, 4.2.4, 7.3, 7.8, 7.9 BS 7870-4.20: 2011 + A1:2016, Cl.4.2.2, 4.2.3, 4.2.4, 7.8	B
	Mechanical Cable Tests		
	Abrasion Test	BS 7835:2007+C1, Cl.20.17 BS 7870-4.10:2011 + A1:2016, Cl. 8.1.7 BS 7870-2: 2011, Cl.2.4.5 BS 7870-4.20: 2011 + A1:2016, Cl.8.1.7	B
	Additional ageing test on pieces of complete cables.	IEC 60502-2: 2014, Cl.19.7 IEC / BS EN 60811-401 IEC / BS EN 60811-201 IEC / BS EN 60811-202 IEC / BS EN 60811-501	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Behaviour at low temperature - Cold Elongation test / Elongation test at low temperature - Cold Impact test / Impact test at low Temperature	IEC 60502-2: 2014, Cl.19.10 IEC / BS EN 60811-505, IEC / BS EN 60811-506 BS 7655-4.2:2000 BS EN 60811-1-4 BS 6622:2007+C1+C2 BS 7655-6.1:1997 BS 7835:2007+C1, Cl.20.13 BS 7870-4.10:2011 + A1:2016, Cl.4.4 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B
	Bending Test	IEC 60502-2: 2014, Cl.18.2.4, BS 6622:2007+C1+C2, Cl.20.3 BS 7835:2007+C1, Cl.21.3 BS 7870-4.10:2011 + A1:2016, Cl.8.2.3 BS 7870-2:2011, Cl. 2.4.1.7 BS 7870-4.11:2011 + A1:2016. Cl. 8.2.3 BS 7870-4.20: 2011 + A1:2016, Cl.8.2.3	B
	Cold Bend Test	BS 7870-4.10:2011 + A1:2016, Cl. 8.1.10 BS 7870-2: 2011, Cl 2.4.1.8 BS 7870-4.11:2011 + A1:2016, Cl. 8.1.8	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Cold Strippability Test for Insulation Screen	IEC 60502-2: 2014, Cl.19.23 BS 6622:2007+C1+C2, Cl. 18.9, 19.5 BS 7835:2007+C1, Cl.19.9.2 BS 7870-4.10:2011 + A1:2016, Cl. 7.5.2, 8.1.3 BS 7870-2:2011, Cl. 2.2.8.1 BS 7870-4.11:2011 + A1:2016, Cl.7.5.2, 8.1.3 BS 7870-4.20: 2011 + A1:2016, Cl.7.5.2, 8.1.3	B
	Compatibility Test	BS 6622:2007+C1+C2, Cl. 19.13, BS EN 60811-1-1, BS EN 60811-1-2 IEC / BS EN 60811-201 IEC / BS EN 60811-202 IEC / BS EN 60811-401 IEC / BS EN 60811-501 BS 7835:2007+C1, Cl.20.14 BS 7870-4.10:2011 + A1:2016, Cl.8.1.9 BS 7870-2:2016 Cl. 8.1.4 BS 7870-4.11:2011 + A1:2016, Cl.8.1.7 BS 7870-4.20: 2011 + A1:2016, Cl.8.1.9	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Hot Set Test	IEC 60502-2:2014, Cl.17.10 BS 6622:2007+C1+C2, Cl. 18.6 BS 7655-1.3:2000 BS 7655-1.2:1997 Amnd,1 BS EN 60811-2-1 IEC / BS EN 60811-507 BS 7835:2007+C1, Cl.19.6, 20.4 BS 7870-4.10:2011 + A1:2016, Cl. 4.2.3, 7.3 BS EN 60811-2-1 IEC / BS EN 60811-507 BS 7870-4.11:2011 + A1:2016, Cl.7.3 BS 7870-4.20: 2011 + A1:2016, Cl.7.3, 4.2.3	B
	Insulation screen cutting test	BS 7870-4.10:2011 + A1:2016. Cl. 6.4 BS 7870-2: 2011, Cl. 2.2.11 BS 7870-4.11:2011 + A1:2016. Cl. 6.3, 4.2.4 BS 7870-4.20: 2011 + A1:2016, Cl.6.4	B
	Irregularities of insulation and screens	BS 7870-4.10:2011 + A1:2016, Cl. 7.6 BS 7870-2: 2011, Cl.2.1.10.5 BS 7870-4.11:2011 + A1:2016, Cl. 7.6 BS 7870-4.20: 2011 + A1:2016, Cl.7.6	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Loss of mass	IEC 60502-2:2014, Cl.19.8 IEC / BS EN 60811-409 BS 7655-4.2:2000 BS EN 60811-3.2 BS 6622:2007+C1+C2	B
	Mechanical Properties after immersed in oil / Water immersion test	IEC 60502-2:2014, cl.19.14 IEC / BS EN 60811-404 BS 7835:2007+C1, Cl.20.4 IEC 60811-1-1 IEC 60811-2-1 IEC / BS EN 60811-202 IEC / BS EN 60811-501 BS 7870-4.10:2011 + A1:2016, Cl.4.4 BS 7870-2:2011 Cl.2.2.12 BS 7870-4.11:2011 + A1:2016, Cl.4.5 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B
	Mechanical properties of insulation and non- metal sheath before and after ageing in air.	IEC 60502-2: 2014, Cl.19.5, 19.6, IEC / BS EN 60811-501, IEC / BS EN 60811-201 IEC / BS EN 60811-202 IEC 60811-401 BS 6622:2007+C1+C2, Cl.19.3 BS 7655-1.3:2000 BS 7655-1.2:1997 Amnd1 BS 7655-4.2:2000 BS 7655-10.1:2000 BS EN 60811-1-1, BS EN 60811-1-2. BS 7835:2007+C1, Cl.20.4 BS 7655-6.1:1997 BS 7870-4.10:2011 + A1:2016, Cl.4.2.3, 4.4 BS 7870-1:2011 BS 7870-4.11:2011 + A1:2016, Cl. 4.2.3, 4.5 BS 7870-4.20: 2011 + A1:2016, Cl.4.2.3, 4.6	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Measurement of Carbon black content	IEC 60502-2: 2014, Cl.19.17 IEC/ BS EN 60811-605 BS 7655-10.1:2000 IEC 60811-4-1 BS 6622:2007+C1+C2 BS 7870-4.10:2011 + A1:2016, Cl 4.4 BS 7870-4.11:2011 + A1:2016, Cl.4.5 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B
	Method of determining the density	IEC / BS EN 60811-606 IEC 60811-1-3	B
	Pressure test at high temperature	IEC 60502-2: 2014, Cl.19.9 IEC / BS EN 60811-508 BS 7655-4.2:2000 BS 7655-10.1:2000 BS EN 60811-3-1 BS 6622:2007+C1+C2 BS 7835:2007+C1, Cl.20.13 BS 7655-6.1:1997 BS 7870-4.10:2011 + A1:2016, Cl.4.4 BS 7870-4.11:2011 + A1:2016, Cl.4.5 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B
	Resistance to cracking (Heat shock) test	IEC 60502-2: 2014, Cl.19.11 IEC / BS EN 60811-509. BS 7655-4.2:2000 BS EN 60811-3.1 BS 6622:2007+C1+C2	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Separation sheath material	BS 6622:2007+C1+C2 Cl 19.7 BS 7835:2007+C1, Cl.20.8 BS EN 60811-1-1 IEC / BS EN 60811-501 IEC / BS EN 60811-202	B
	Shrinkage test for insulation and sheath	IEC 60502-2:2014, Cl.19.18, 19.22 IEC / BS EN 60811-502 IEC / BS EN 60811-503 BS 6622:2007+C1+C2, Cl. 19.12.2 BS EN 60811-1.3 BS 7835:2007+C1, Cl. 20.18 BS 7870-4.10:2011+A1:2016, Cl. 7.3, 8.1.2, 8.1.6, 8.1.7 BS 7870-4.11:2011+A1:2016, Cl.7.3, 8.1.2 BS 7870-4.20:2011+A1:2016, Cl. 7.3, 8.1.2, 8.1.6, 8.1.7	B
	Tear Resistance	BS 7835:2007+C1, Cl.20.13 BS 6469: Sec 99.1 BS 7870-4.10:2011 + A1:2016, Cl.4.4 BS 7870-2:2011, Cl. 2.2.2.2 BS 7870-4.20: 2011 + A1:2016, Cl.4.6	B
	Thermal Stability Test	IEC 60502-2: 2014, Cl.19.19 IEC / BS EN 60811-405 IEC 60811-3-2	B
	Tensile Test for Aluminium wires	BS 6622:2007+C1+C2, Cl. 19.11 BS EN 10002-1 BS 7835:2007+C1, Cl.20.12	B
	Water blocking tape moisture content	BS 7870-4.10:2011 + A1:2016, Cl.7.8.3, 8.1.11 BS 7870-4.11:2011 + A1:2016, Cl.7.7.4, 8.1.9	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Water Blocking tape swell height	BS 7870-4.10:2011 + A1:2016, Cl. 7.8.2 BS 7870-2:2011, Cl. 2.5.9 BS 7870-4.11:2011 + A1:2016, Cl. 7.7.3	B
	Water / moisture content in insulation	BS 7870-4.10:2011 + A1:2016, Cl. 7.3 BS 7870-2: 2011, Cl.2.5.10 BS 7870-4.11:2011 + A1:2016, Cl. 7.3 BS 7870-4.20: 2011 + A1:2016, Cl.7.3	B
	Water penetration test	IEC 60502-2:2014, Cl. 19.24 BS 7870-4.10:2011+A1:2016, Cl. 8.1.5 BS 7870-2:2011, CL. 2.4.9 BS 7870-4.11:2011+A1:2016, Cl. 8.1.4 BS 7870-4.20:2011+A1:2016, Cl. 8.1.5	B
	Water Absorption test	IEC 60502-2: 2014, Cl.19.15 IEC / BS EN 60811-402 BS 7655-1.3:2000 BS 7655-1.2-1997, Amnd.1 BS EN 60811-1.3 BS 6622:2007+C1+C2, Cl.19.3 BS 7835:2007+C1, Cl.20.4 BS 7870-4.10:2011 + A1:2016, Cl. 4.2.3 BS 7870-4.20: 2011 + A1:2016, Cl.4.2.3	B

Materials/Products Tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ELECTRIC CABLES: (cont'd)	Mechanical Cable Tests (cont'd)		
MV Power Cables (cont'd)	Wet Compatibility test	BS 6622:2007+C1+C2, Cl. 19.10 BS 7835:2007+C1, Cl.20.11	B
	Wrapping test for Galvanized Steel wires	BS 6622:2007+C1+C2, Cl.19.9 BS 7835:2007+C1, Cl. 20.10	B
	Chemical Cable tests		
	Mass of Zinc coating of Galvanised Steel Wires	BS 6622:2007+C1+C2, Cl. 19.8 BS EN 10244-2 BS 7835:2007+C1, Cl.20.9	B
	Corrosive and acid gas test	BS 7835:2007+C1, Cl.20.2 BS EN 50267-2-1:1999 BS 7870-4.10:2011 + A1:2016, Cl 8.1.8.1 BS 7870-4.20: 2011 + A1:2016, Cl.8.1.8.1	B
	Fire Tests		
	Flame Spread Test on Single cables. Test under fire conditions for PVC sheathed cables	IEC 60502-2: 2014, Cl.19.16 BS 6622:2007+C1+C2, Cl. 19.14 IEC 60332-1-2, BS EN 60332-1-2:2004, BS EN 60332-1-2:2004 +A12:2020 BS 7835:2007+C1, Cl.19.16 BS 7870-4.10:2011 + A1:2016, Cl. 7.10.1 BS 7870-4.20: 2011 + A1:2016, Cl.7.9.1	B
END			

UKAS TESTING 5950 Accredited to ISO/IEC 17025:2017	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK **BASEC Group Ltd** **Issue No:** 027 **Issue date:** 19 November 2026

Testing performed by the Organisation at the locations specified

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 **UK Laboratory only**	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

5950 **Accredited to ISO/IEC 17025:2017**	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK **BASEC Group Ltd** **Issue No:** 027 **Issue date:** 19 November 2026
Testing performed by the Organisation at the locations specified	

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 **UK Laboratory only**	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			