

ELECTRICAL INSTALLATION CONDITION REPORT

REPORT No: EICR-JES111586

This report documents an accurate assessment of the condition of the electrical installation and whether it is fit for continued service in accordance with
BS 7671:2018

East Sussex

The following work was carried out at the address above:

Inspection and Testing of Earthing Arrangements, Fuse Board, Fuses, Accessories and Fixed Wiring

And was deemed to be:

UNSATISFACTORY

Company issuing this Report

Juice Electrical Services
Unit 2 Greenman Yard
Boreham Street, Hailsham
East Sussex
BN274SF
01323 760303
CPS Enrolment No:614185000

Issued on

16/03/2020

Inspected by

CHRIS BEENEY



Reviewed by

CHRIS BEENEY



Recommended re-test

**3 Years from
date of issue**

SCHEDULE(S)

1 schedule(s) of inspection and 1 schedule(s) of test results are included in this report.

OBSERVATIONS AND RECOMMENDATIONS

One of the following codes, as appropriate, has been allocated to each of the observations made below to indicate to the person(s) responsible for the installation the degree of urgency for remedial action.

 0 item(s)	 14 item(s)	 8 item(s)	 2 item(s)	 0 item(s)	 0 item(s)
Danger present, risk of injury, immediate remedial action required	Potentially dangerous - urgent remedial action required	Improvement recommended	Further investigation required without delay	Not applicable	Not verified

 The following observations and recommendations have been made

Item no	Observations and recommendations	Location	DB-Circuit / image ref	Code
1	1.4 The cross section area of the tails connecting the meter to the consumer unit/distribution board do not meet the minimum requirements of 25mm. However The DNO's Fuse is Rated at 80A and there are NO Signs of Thermal Damage	Meter Tails		
2	1.4 Neutral connection has exposed conductive parts.	Meter		
3	3.7 No main protective bonding conductor installed to the Water and Gas installation pipes See Regulation 411.3.1.2.	Water and Gas Supplies		
4	3.8 No main protective bonding installed to extraneous-conductive parts. See Regulation: 134.1.1, 411.3.1.2, 544.	Water and Gas Supplies		
5	4.9 - No provision of circuit information, circuit charts. See Regulation 514.9.	Fuse Board		
6	4.19 - No RCD protection for socket-outlets that can be used outdoors. See Regulation 411.3.3.	Sockets	CCT No 2 - Sockets	
7	5.1 - Circuit protective conductor(s) not sleeved or identified by colour code. See Regulation 514.4.2.	Sockets and Pendants		
8	5.5 - Adequacy of cables for current carrying capacity with regard for the type and nature of installation	Cables within Fabric of the Building		
9	5.6 - Coordination between conductors and overload protective devices (433.1; 533.2.1)	Fuse Board	All Circuits	
10	5.7 - Zs in a final circuit NOT exceeding 32A feeding fixed connected current using equipment is greater than the 80% and less than 100% of manufacturers' or BS 7671 values, but is NOT protected by an RCD. See Regulation 411.3.2.2.	Fuse Board	CCT No 2 - Sockets	
11	5.8 - No provision of a circuit protective conductor (cpc) on a lighting circuit with Class II fittings and accessories. See Regulation 411.3.1.1.	Upstairs Lighting		
12	5.12.1 - No RCD protection for socket-outlets that can be used outdoors. See Regulation 411.3.3.	Sockets	CCT No 2 - Sockets	
13	5.12.2 - No RCD protection for equipment rated up to 32A and used outdoors. See Regulation 411.3.3.	Sockets	CCT No 2 - Sockets	
14	5.12.3 - No RCD protection for PVC/PVC cables in walls. See Regulation 522.6.202.	Fuse Board	CCT Nos 1,2,3 and 4	
15	5.12.5 - No 30mA RCD protection for circuits supplying luminaires with Class I fittings (applicable to dwellings). See Regulation 411.3.4.	Fuse Board	CCT No 4 - Lighting	
16	5.17.1 - Strands of the cable conductors have been cut to fit the terminals - cable has been de-rated at the point of termination. See Regulations 526.1; 526.8.	Fuse Board	CCT No 1 - Shower / Cooker	
17	5.17.1 - Neutral conductors for ring final circuit (rn) - no continuity of conductors. See Regulations 526.6; 643.2.1.	Sockets	CCT No 2 - Sockets	
18	5.17.4 - Un-bushed cable entry (sheathed cables) but no signs of mechanical strain or damage. See Regulation 522.8.1/5.	Socket Back Boxes		
19	5.18 - Signs of age and poor connections on nearly all Accessories	Sockets and Pendants		
20	5.19 Bathroom Light Fitting Not suitable for external influences (512.2)	Bathroom Light	CCT No 4 - Lighting	
21	6.1 - Circuit supplying locations containing a bath/shower- no 30mA RCD protection. See Regulation 701.411.3.3.	Bathroom	CCT No 1 - Shower	
22	6.1 - Circuit passing through zone 1/2 containing a bath/shower- has no 30mA RCD protection. See Regulation 701.411.3.3.	Bathroom	CCT No 4 - Lighting	

DETAILS OF THE CONTRACTOR

Trading title Juice Electrical Services	Postcode BN274SF	Company email electrician@juiceelectricalservices.com
Address Unit 2 Greenman Yard	Telephone no 01323 760303	Website juiceelectricalservices.com
Town Boreham Street, Hailsham	Mobile number -	
County East Sussex	Enrolment no 614185000	

SUPPLY CHARACTERISTICS AND EARTHING ARRANGEMENTS

Earthing arrangements	Number and type of live conductors	Nature of supply parameters	Supply Protective Device
TN-S <input type="checkbox"/>	AC <input checked="" type="checkbox"/> DC <input type="checkbox"/>	Nominal voltage - U _n <input type="text" value="N/A"/> V U _o <input type="text" value="230"/> V	BS(EN) <input type="text" value="88"/>
TN-C-S <input checked="" type="checkbox"/>	1-phase (2 wire) <input checked="" type="checkbox"/> 1-phase (3 wire) <input type="checkbox"/> 2 pole <input type="checkbox"/>	Nominal frequency - f <input type="text" value="50"/> Hz No of supplies <input type="text" value="1"/>	Type <input type="text" value="-"/>
TN-C <input type="checkbox"/>	2-phase (3 wire) <input type="checkbox"/> 3 pole <input type="checkbox"/>	PFC - I _{pf} <input type="text" value="1.408"/> kA Supply polarity confirmed <input checked="" type="checkbox"/>	Short circuit capacity (kA) <input type="text" value="-"/>
TT <input type="checkbox"/>	3-phase (3 wire) <input type="checkbox"/> 3-phase (4 wire) <input type="checkbox"/> Other <input type="checkbox"/>	Earth loop impedance - Z _e <input type="text" value="0.22"/> Ω	Rated current (A) <input type="text" value="80"/>
IT <input type="checkbox"/>			

PARTICULARS OF INSTALLATION REFERRED TO IN THIS REPORT

Means of earthing	Details of installation earth electrode (where applicable)	
Distributor's facility <input checked="" type="checkbox"/>	Type: eg rod,tape <input type="text" value="N/A"/>	Resistance to earth <input type="text" value="N/A"/> Ω
Earth electrode	Location <input type="text" value="N/A"/>	Method of measurement <input type="text" value="N/A"/>

Main switch / switch fuse /circuit breaker / RCD				Earthing conductor		Main protective bonding conductors		Bonding of extraneous conductive parts	
Type BS(EN) <input type="text" value="UNKNOWN"/>	Voltage rating <input type="text" value="Unknown"/> V	Conductor material <input type="text" value="Copper"/>	Conductor material <input type="text" value="Copper"/>	Conductor material <input type="text" value="N/A"/>	Water <input checked="" type="checkbox"/>	Gas <input checked="" type="checkbox"/>			
No of poles <input type="text" value="2"/>	Rated current - I _n <input type="text" value="UNKNOWN"/> A	Conductor csa (mm ²) <input type="text" value="10"/>	Conductor csa (mm ²) <input type="text" value="10"/>	Conductor csa (mm ²) <input type="text" value="-"/>	Oil <input type="text" value="N/A"/>	Structural steel <input type="text" value="N/A"/>			
Conductor material <input type="text" value="Copper"/>	Fuse/device rating or setting <input type="text" value="N/A"/> A	Continuity check <input checked="" type="checkbox"/>			Lightning protection <input type="text" value="N/A"/>	Other services <input type="text" value="N/A"/>			
Conductor csa (mm ²) <input type="text" value="16"/>	RCD operating current, I _n <input type="text" value="N/A"/> mA								
	RCD operating time at I _n <input type="text" value="N/A"/> ms								

Bonding locations and measurements can be found on page ADDITIONAL BONDING INFORMATION at the end of this certificate.

Location of main switch

BONDING OUTCOMES	Pass <input checked="" type="checkbox"/>	Fail <input checked="" type="checkbox"/>	Non existent <input checked="" type="checkbox"/>	No access <input type="checkbox"/>	Not continuous <input checked="" type="checkbox"/>	Limitation LIM <input type="checkbox"/>	Not applicable N/A <input type="checkbox"/>
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SCHEDULES OF INSPECTION

Item No	DESCRIPTION	OUTCOME See codes above
1.0 EXTERNAL CONDITION OF INTAKE EQUIPMENT (VISUAL INSPECTION ONLY)		
1.1	Service cable	✓
1.2	Service head	✓
1.3	Earthing arrangement	✓
1.4	Meter tails	C2
1.5	Metering equipment	✓
1.6	Isolator (where present)	N/A
2.0 PRESENCE OF ADEQUATE ARRANGEMENTS FOR OTHER SOURCES SUCH AS MICROGENERATORS (551.6; 551.7)		
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply (551.6) (542.1.2.1; 542.1.2.2)	N/A
2.2	Adequate arrangements where a generating set operates in parallel with the public supply (551.7)	N/A
3.0 EARTHING / BONDING ARRANGEMENTS (411-3; Chap 54)		
3.1	Presence and condition of distributor's earthing arrangements (542.1.2.1; 542.1.2.2)	✓
3.2	Presence and condition of earth electrode connection where applicable (542.1.2.3)	N/A
3.3	Provision of earthing/bonding labels at all appropriate locations (514.13.1)	N/A
3.4	Confirmation of earthing conductor size (542.3; 543.1.1)	✓
3.5	Accessibility and condition of earthing conductor at MET (543.3.2)	✓
3.6	Confirmation of main protective bonding conductor sizes (544.1)	N/A
3.7	Condition and accessibility of main protective bonding conductor connections (543.3.2; 544.1.2)	C2
3.8	Accessibility and condition of other protective bonding connections (543.3.1; 543.3.2)	C2
4.0 CONSUMER UNIT(S) / DISTRIBUTION BOARD(S)		
4.1	Adequacy of working space/accessibility to consumer unit/distribution board (132.12; 513.1)	✓
4.2	Security of fixing (134.1.1)	✓
4.3	Condition of enclosure(s) in terms of IP rating etc (416.2)	✓
4.4	Condition of enclosure(s) in terms of fire rating etc (421.1.201; 526.5)	✓
4.5	Enclosure not damaged/deteriorated so as to impair safety (651.2)	✓
4.6	Presence of main linked switched (as required by 462.1.201)	✓
4.7	Operation of main switch (functional check) (643.10)	✓
4.8	Manual operation of circuit breakers and RCD's to prove disconnection (643.10)	N/A
4.9	Correct identification of circuit details and protective devices (514.8.1; 514.9.1)	C3
4.10	Presence of RCD six-monthly test notice at or near consumer unit/distribution board (514.12.2)	N/A
4.11	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit/distribution board (514.4)	N/A
4.12	Presence of alternative supply warning notice at or near consumer unit/distribution board (514.15)	N/A