

Contractor's Reference Number

CRN/ 1330176

Issued in accordance with British Standard 7671 - Requirements for Electrical Installations by an Approved Contractor or Conforming Body enrolled with NICEIC, Warwick House, Houghton Hall Park, Houghton Regis, Dunstable LU5 5ZX.

ELECTRICAL INSTALLATION CONDITION REPORT

FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

TYPE OF INSTALLATION

Tick appropriate box

Domestic dwelling Highway installation Leisure Accommodation Vehicle Modular dwelling Transportable unit

DETAILS OF THE CLIENT

Client: Southampton city Council
Address: 5 Mauretania Room Nursing
Postcode: SO15 0YS

PURPOSE OF THE REPORT

Purpose for which this report is required: Periodic inspection

Date(s) on which inspection and testing were carried out: 27/11/2018

DETAILS OF THE INSTALLATION

Occupier: SCC
Address: Albion Towers
Postcode:
Estimated age of the electrical installation: 30+ years
Evidence of alterations or additions: No
If yes, estimated age: No
Date of previous inspection: Nil
Electrical Installation Certificate No or previous Periodic Inspection or Condition Report No.: Nil
Records of installation available: No
Records held by: Nil

EXTENT OF THE INSTALLATION AND LIMITATIONS ON THE INSPECTION AND TESTING

Extent of the electrical installation covered by this report:

lift Motor Room Supply

Agreed limitations including the reasons, if any, on the inspection and testing:

NONE

Agreed with: _____

Operational limitations including the reasons (see page No. _____)

NONE

The inspection and testing have been carried out in accordance with BS 7671, as amended. Cables concealed within trunking and conduits, or cables and conduits concealed under floors, in inaccessible roof spaces and generally within the fabric of the building or underground, have not been visually inspected unless specifically agreed between the client and inspector prior to the inspection.

SUMMARY OF THE CONDITION OF THE INSTALLATION

General condition of the installation (in terms of electrical safety):

Good

Summary of the condition of the installation continued on additional pages? No Yes Specify page No(s) _____

Overall assessment of the installation: **SATISFACTORY / UNSATISFACTORY***
Delete as appropriate

* An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that further investigation without delay (FI) is required

This report should have been reviewed and confirmed by the registered Qualified Supervisor of the Approved Contractor responsible for issuing it. (See declaration on page 2)

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

Original (To the person ordering the work)

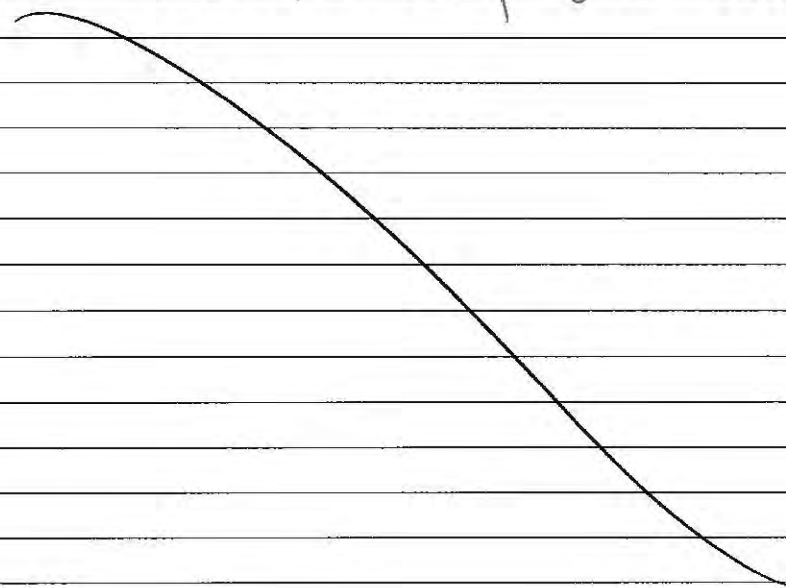
OBSERVATIONS AND RECOMMENDATIONS FOR ACTIONS TO BE TAKEN

Referring to the attached schedules of inspection and test results, and subject to the limitations at page 1:

There are no items adversely affecting electrical safety or The following observations and recommendations for action are made

Item No Observation(s) include reference location as appropriate Code†

1 No Insulation to cable entry holes into C3 main Isolator/Trunking in intake Rm.



Additional pages? No Yes Specify page No(s) _____

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

- Code C1 'Danger present'. Risk of injury. Immediate remedial action required.
 - Code C2 'Potentially dangerous'. Urgent remedial action required.
 - Code C3 'Improvement recommended'.
 - Code F1 'Further investigation required without delay'.
- Please see the reverse of this page for guidance regarding the Classification codes.

Immediate remedial action required for items: _____

Urgent remedial action required for items: _____

Further investigation required without delay for items: _____

Improvement recommended for items: _____

DECLARATION

I/We, being the person(s) responsible for the inspection and testing of the electrical installation (as indicated by my/our signatures below), particulars of which are described on page 1, having exercised reasonable skill and care when carrying out the inspection and testing, hereby declare that the information in this report, including the observations and the attached schedules, provides an accurate assessment of the condition of the electrical installation taking into account the stated extent of the installation and the limitations on the inspection and testing.

I/We further declare that in my/our judgement, the overall assessment of the installation in terms of its suitability for continued use is **SATISFACTORY / UNSATISFACTORY*** Delete as appropriate

at the time the inspection was carried out, and that it should be further inspected as recommended within the time interval given below.

* An 'Unsatisfactory' assessment indicates that dangerous (CODE C1) and/or potentially dangerous (CODE C2) conditions have been identified, or that Further investigation without delay (FI) is required

INSPECTION, TESTING AND ASSESSMENT BY:

Signature: *B. Cook*
Name (CAPITALS): *B. Cook*
Position: *Electrician*
Date: *27/11/2018*

REPORT REVIEWED AND CONFIRMED BY: *[Signature]*
Signature: _____
Name (CAPITALS): _____
Date: _____
(Registered Qualified Supervisor for the Approved Contractor)
P. A. Tarrant
29 NOV 2018

NEXT INSPECTION

I/We recommend that this installation is further inspected and tested after an interval of not more than:

5 years
(Enter interval in terms of years or months, as appropriate)

provided that any items which have been attributed a Classification code C1 (danger present) are remedied immediately and that any items which have been attributed a code C2 (potentially dangerous) or F1 (further investigation required without delay) are remedied or investigated respectively as a matter of urgency. Items which have been attributed a Classification code C3 should be improved as soon as practicable.

Please see the 'Guidance for Recipients on the Classification codes' on the reverse of this page.

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

SUPPLY CHARACTERISTICS		Tick boxes and enter details, as appropriate		Nature of supply parameters		Notes (1) by enquiry (2) by enquiry or by measurement (3) where more than one supply, record the higher or highest values (4) by measurement		Characteristics of primary supply overcurrent protective device(s)	
System type(s)	Number and type of live conductors			Number of sources	Nominal voltage(s)	Nominal frequency, $f^{(1)}$	External earth fault loop impedance, $Z_e^{(3/4)}$	BS(EN)	Short-circuit capacity
TN-S <input checked="" type="checkbox"/>	1-phase (2-wire) <input type="checkbox"/>	1-phase (3-wire) <input type="checkbox"/>		1	$U^{(1)}$ — V	50 Hz	— Ω	88	200 kA
TN-C-S <input type="checkbox"/>	3-phase (3-wire) <input type="checkbox"/>	3-phase (4-wire) <input checked="" type="checkbox"/>			$U_0^{(1)}$ 400 V			Type 2	Confirmation of supply polarity <input checked="" type="checkbox"/>
TT <input type="checkbox"/>	Other <input type="checkbox"/>	Please state						Rated current 100 A	
				Single-phase Prospective fault current, $I_{pf}^{(2/3)}$	— kA	3-phase Prospective fault current, $I_{pf}^{(2/3)}$	3.68 kA		

PARTICULARS OF INSTALLATION AT THE ORIGIN			Tick boxes and enter details, as appropriate			Main Switch/Switch-Fuse/Circuit-Breaker/RCD			
Means of earthing		Details of installation earth electrode (where applicable)		Protective measure(s) for fault protection		Measured Z_e		Type BS(EN)	Voltage rating
Distributor's facility <input checked="" type="checkbox"/>	Type (eg rod(s), tape etc) <input type="checkbox"/>	Location <input type="checkbox"/>		Delete as appropriate		6.12 Ω	8.19	5419	400 V
Installation earth electrode <input type="checkbox"/>	Electrode resistance, R_A <input type="checkbox"/>	Method of measurement <input type="checkbox"/>		Number of smoke alarms <input type="checkbox"/>		10 kVA/amps	3	Rated current, I_n	100 A
Earthing conductor		Main protective bonding conductors and bonding of extraneous-conductive-parts				Water installation pipes <input type="checkbox"/>		Structural steel <input type="checkbox"/>	
Conductor material SWA	Continuity/connection verified <input checked="" type="checkbox"/>	Conductor material <input type="checkbox"/>		Conductor csa <input type="checkbox"/>		Oil installation pipes <input type="checkbox"/>		Other <input type="checkbox"/>	
Conductor csa 65 mm ²	Location (where not obvious) <input type="checkbox"/>	Gas installation pipes <input type="checkbox"/>		Supply conductors material Copper		RCD operating current, $I_{\Delta n}^*$		— mA	
						Supply conductors csa 65 mm ²		RCD operating time (at $I_{\Delta n}^*$)	
								Rated time delay	
								* applicable only where an RCD is used as a main circuit-breaker	

VEHICLE DETAILS				Tick boxes and enter details as appropriate			
Type	Model	Registration (motorhome)	VIN				
Touring <input checked="" type="checkbox"/> Static <input type="checkbox"/> Motorhome <input type="checkbox"/> Year of manufacture							

PARTICULARS OF VEHICLE INSTALLATION OR TRANSPORTABLE UNITS				Earthing and protective bonding conductors				Tick boxes and enter details as appropriate							
Hook-up connection		System type TT		Means of earthing		Earthing conductor (for static vehicles or transportable units)		Conductor material		Conductor csa		mm ²		Connection/continuity verified	
<input type="checkbox"/>	Flexible supply cable	<input type="checkbox"/>	System type TN-S <input type="checkbox"/> TN-C-S* <input type="checkbox"/>	* Connection to a TN-C-S system requires supervision (see regulation 717 411 4)		Measured earth fault loop impedance, Z_e		Chassis		Water service		Gas service			
Length	m csa mm ²	Type (e.g. rod(s), tape(s))	Method of measurement				Conductor material		Conductor csa		mm ²		Connection/continuity verified		
I_z	A $(R_1 + R_2)_{cs}$ Ω	Electrode resistance, R_A Ω	Location				Conductor material		Conductor csa		mm ²		Connection/continuity verified		
Supply voltage(s) and maximum load/demand		Nominal voltage(s) U_0 U		Maximum permitted load kVA/Amps				Conductor material		Conductor csa		mm ²		Connection/continuity verified	

TRANSPORTABLE UNIT DETAILS		Description
Model name and year		

† All boxes must be completed. '✓' indicates that an inspection was carried out and that the result was satisfactory. 'N/A' indicates that an inspection was not applicable to the particular installation.

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

DETAILS OF NICEIC APPROVED CONTRACTOR

Trading title: Southampton City Council
Housing Operations
Address: 5 Mauretania Road
Nursling Industrial Estate
Southampton SO16 0YS
NIC EIC No. 900075000 Gas Safe No. 22813



Enrolment number
(Essential information)

Branch number
(if applicable)

Telephone number:

Email address:

Postcode:

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*	Item	Description	Outcome*	Item	Description	Outcome*
1.0	Condition/adequacy of distributor's/supply intake equipment†		4.0	Consumer unit(s)		4.23	Confirmation that ALL conductor connections, including connections to busbars are correctly located in terminals and are tight and secure	Ma
1.1	Service cable	✓	4.1	Adequacy of working space or access to consumer unit	✓			
1.2	Service head	✓	4.2	Security of fixing	✓	5.0	Distribution/final circuits	
1.3	Distributor's earthing arrangement	✓	4.3	Condition of enclosure(s) in terms of IP rating	✓	5.1	Identification of conductors	Ma
1.4	Meter tails - Distributor/Consumer	✓	4.4	Condition of enclosure(s) in terms of fire rating	✓	5.2	Cables correctly supported throughout their length	Ma
1.5	Metering equipment	✓	4.5	Enclosure not damaged/deteriorated so as to impair safety	✓	5.3	Condition of insulation of live parts	Ma
1.6	Means of main isolation (where present)	✓	4.6	Presence of linked main switch	✓	5.4	Non-sheathed cables protected by enclosure in conduit, ducting or trunking (including confirmation of the integrity of conduit and trunking systems)	Ma
2.0	Presence of adequate arrangements for other sources (microgenerators etc)		4.7	Operation of main switch (functional check)	✓	5.5	Adequacy of cables for current-carrying capacity with regard to the type and nature of installation	Ma
2.1	Adequate arrangements where a generating set operates as a switched alternative to the public supply	Ma	4.8	Main switch capable of being secured in the OFF position	✓	5.6	Adequacy of protective devices, type and rated current for fault protection	Ma
2.2	Adequate arrangements where a generating set operates in parallel with the public supply	Ma	4.9	Operation of circuit-breakers and RCDs to prove disconnection (functional check)	✓	5.7	Presence and adequacy of circuit protective conductors	Ma
2.3	Presence of alternative/additional supply warning notice(s)	Ma	4.10	Correct identification of circuits and protective devices	✓	5.8	Co-ordination between conductors and overload protective devices	Ma
3.0	Earthing and bonding arrangements		4.11	Presence of RCD test notice at or near consumer unit	Ma	5.9	Wiring system(s) appropriate for the type and nature of the installation and external influences	Ma
3.1	Presence and condition of distributor's earthing arrangement	✓	4.12	Presence of non-standard (mixed) cable colour warning notice at or near consumer unit	Ma	5.10	Cables installed under floors, above ceilings, in walls / partitions, adequately protected against damage	Ma
3.2	Presence and condition of earth electrode connection	Ma	4.13	Presence of alternative or additional supply warning notice at or near consumer unit	Ma		<ul style="list-style-type: none"> installed in prescribed zones. Extent and limitations incorporating earthed armour or sheath, or installed within earthed wiring system, or otherwise protected against mechanical damage by nails, screws and the like (see Extent and limitations) 	Ma
3.3	Confirmation of adequate earthing conductor size	✓	4.14	Presence of next inspection recommendation label	✓	5.11	Provision of additional protection by RCD not exceeding 30 mA	
3.4	Accessibility and condition of earthing conductor at Main Earthing Terminal (MET)	✓	4.15	Presence of other required labelling (please specify)	Ma		<ul style="list-style-type: none"> for all socket-outlets of rating 20 A or less for mobile equipment not exceeding a rating of 32A for use outdoors for cables installed in walls or partitions at a depth of less than 50 mm for cables installed in walls / partitions containing metal parts regardless of depth lighting of bus shelters, telephone kiosks, town plans and the like 	Ma
3.5	Confirmation of adequate main protective bonding conductor sizes	Ma	4.16	Examination of protective device(s) and base(s), correct type and rating (no signs of unacceptable thermal damage, arcing or overheating)	✓			
3.6	Accessibility and condition of main protective bonding conductor connections	Ma	4.17	Single-pole switching or protective devices in the line conductors only	✓			
3.7	Accessibility and condition of other protective bonding connections	Ma	4.18	Protection against mechanical damage where cables enter consumer unit	C3			
3.8	Provision of earthing and bonding labels at all appropriate locations	Ma	4.19	Protection against electromagnetic effects where cables enter metallic consumer unit/enclosure	✓			
			4.20	RCDs provided for fault protection – includes RCBOs	Ma			
			4.21	RCDs provided for additional protection – includes RCBOs	Ma			
			4.22	Confirmation of indication that SPD is functional	Ma			

† Where inadequacies in distributor's equipment are encountered, it is recommended that the person ordering the report informs the appropriate authority

5 Older installations designed prior to BS 7671: 2008 may not have been provided with RCDs for additional protection

* All boxes must be completed.

✓ indicates Acceptable condition

LIM indicates a Limitation

'N/A' indicates Not applicable

Unacceptable condition state C1 or C2

Improvement recommended state C3

Further investigation required without delay state F1

(to determine whether danger or potential danger exists)

Outcome

Provide additional comment where appropriate on attached numbered sheets.

C1, C2, C3 and F1 coded items to be recorded in Page 2 of the report.

ELECTRICAL INSTALLATION CONDITION REPORT FOR SMALL INSTALLATIONS NOT EXCEEDING 100 A

SCHEDULE OF INSPECTIONS

Item	Description	Outcome*
5 12	Provision of fire barriers, sealing arrangements and protection against thermal effects	✓
5 13	Band II cables segregated/separated from Band I cables	✓
5 14	Cables segregated/separated from communications cabling	✓
5 15	Cables segregated/separated from non-electrical services	✓
5 16	Termination of cables at enclosures (<i>extent of sampling indicated on page 1 of the report</i>) <ul style="list-style-type: none"> • Connections soundly made and under no undue strain • No basic insulation of a conductor visible outside enclosures • Connections of live conductors adequately enclosed • Adequately connected at point of entry to enclosure (<i>glands, bushes etc</i>) 	✓
5 17	Condition of accessories including socket-outlets, switches and joint boxes	✓
5 18	Suitability of accessories for external influences	✓
5 19	Adequacy of working space / accessibility to equipment	✓
5 20	Single-pole devices for switching or protection in line conductors only	✓
6 0	Isolation and switching (isolation, switching off for mechanical maintenance and functional switching)	
6 1	In general <ul style="list-style-type: none"> • presence and condition of appropriate devices • correct operation verified 	✓
6 2	For isolation and switching for mechanical maintenance only <ul style="list-style-type: none"> • capable of being secured in the OFF position where appropriate • acceptable location – state if local or remote from equipment being controlled where appropriate • clearly identified by position and/or durable marking(s) 	✓
6 3	For isolation only <ul style="list-style-type: none"> • warning label(s) posted in situations where live parts cannot be isolated by the operation of a single device 	✓

Item	Description	Outcome*
7.0	Current-using equipment (Permanently connected)	
7 1	Condition of equipment in terms of IP rating	✓
7 2	Equipment does not constitute a fire hazard	✓
7 3	Enclosure not damaged/deteriorated so as to impair safety	✓
7 4	Suitability for the environment and external influences	✓
7 5	Security of fixing	✓
7 6	Cable entry holes in ceiling above luminaires, sized or sealed so as to restrict the spread of fire <i>List number and location of luminaires inspected (Separate page)</i>	Ma
7 7	Recessed luminaires (downlighters) <ul style="list-style-type: none"> • correct type of lamps fitted • installed to minimise build-up of heat by use of 'fire rated' fittings, insulation displacement box or similar • no signs of overheating to surrounding building fabric • no signs of overheating to conductors/terminations 	Ma
8.0	Location(s) containing a bath or shower	
8 1	Additional protection by RCD not exceeding 30 mA <ul style="list-style-type: none"> • for low voltage circuits serving the location • for low voltage circuits passing through Zone 1 and Zone 2 not serving the location 	Ma
8 2	Where used as a protective measure, requirements for SELV or PELV are met	Ma
8 3	Shaver sockets comply with BS EN 61558-2-5 formerly BS 3535	Ma
8 4	Presence of supplementary bonding conductors unless not required by BS 7671: 2008	Ma
8 5	Low voltage (e.g. 230 volts) socket-outlets sited at least 3 m from zone 1	Ma
8 6	Suitability of equipment for external influences for installed location in terms of IP rating	Ma
8 7	Suitability of equipment for installation in a particular zone	Ma

Item	Description	Outcome*
9.0	Other special installations or locations - Part 7s	
9 1	List of all other special installations or locations, if any, present. (Record the results of any particular inspection and append separately)	Ma

SCHEDULE OF ITEMS INSPECTED PARTICULAR TO A LEISURE ACCOMMODATION VEHICLE OR A TRANSPORTABLE UNIT

Item	Description	Outcome*
10.0	Means of connection	
10 1	'Hook-up' connection arrangement (inlet, plug and connector) <ul style="list-style-type: none"> • equipment complies with BS EN 60309-2 • acceptable condition 	Ma
10 2	Flexible 'hook-up' cable <ul style="list-style-type: none"> • correct length and size (csa) • acceptable type (to BS 7919) and condition 	Ma
10 3	Direct connection (to static vehicles) <ul style="list-style-type: none"> • acceptable type of wiring system and condition • correct size (csa) 	Ma
10 4	Presence of required identification/labelling <ul style="list-style-type: none"> • instructions for the safe use of the caravan/transportable unit installation/supply • indication of voltage (stated on or adjacent) to all extra-low voltage (ELV) socket-outlets 	Ma
10 5	Plugs and socket-outlets non-interchangeable with those of LV installation	Ma
10 6	All conductors adequately protected against mechanical damage	Ma
10 7	All conductors adequately protected against mechanical stresses (e.g. vibration from vehicular motion)	Ma

⁵ Note: Older installations designed prior to BS 7671:2008 may not have been provided with RCDs for additional protection

SCHEDULES AND ADDITIONAL PAGES

Additional pages, including data sheets for additional source(s)	Page No(s)	1	Schedule of Circuit Details for the Installation	Page No(s)	6
Schedule of Inspections	Page(s) No 4, 5		Schedule of Test Results for the Installation	Page No(s)	6
Special installations or locations:	Page No(s)	1			

The pages identified are an essential part of this report. The report is valid only if accompanied by all the schedules and additional pages identified above.

* All boxes must be completed.

✓ indicates Acceptable condition
LIM indicates a Limitation

'N/A' indicates Not applicable
Unacceptable condition state C1 or C2
Improvement recommended state C3

Further investigation required without delay state FI (to determine whether danger or potential danger exists)

Outcome
Provide additional comment where appropriate on attached numbered sheets. C1, C2, C3 and FI coded items to be recorded in Page 2 of the report.

CIRCUIT DETAILS **TEST RESULTS**

Circuit number	Circuit designation <small>* To be completed only where this consumer unit is remote from the origin of the installation Record details of the circuit supplying this consumer unit in the bold box</small>	Type of wiring (see code)	Reference method (see Appendix 4 of BS 7671)	Number of points served	Circuit conductors cable		Overcurrent protective devices				RCD Maximum $I_{\Delta n}$ permitted by BS 7671 (A)	Circuit impedances (Z)				Insulation resistance				Maximum measured earth fault impedance, Z_s (Ω)	RCD						
					Live (mm ²)	opc (mm ²)	Max. disconnection time permitted by BS 7671 (s)	BS (EN)				Ring final circuits only (measured end to end)		All circuits (At least one column to be completed)		Line/Line (M Ω)	Line/Neutral (M Ω)	Line/Earth (M Ω)	Neutral/Earth (M Ω)		Polarity (✓)	operating times		Test button operation (✓)			
								Type	Rating (A)	Short-circuit capacity (kA)		Operating current, I_n (mA)	Measurement Z_s (Ω)	r_1 (Line)	r_n (Neutral)							r_2 (opc)	$R_1 + R_2$		R_2	at $I_{\Delta n}$ (ms)	at 5 $I_{\Delta n}$ (if applicable) (ms)
1	lift Motor Room supply	B	A	1	65	SWA 0.4	88	2	32	10	0.77	/	/	/	0.07	/	/	/	/	0.19	/	/	/				
2	lift Motor Room supply	B	A	1	65	SWA 0.4	88	2	32	10	0.77	/	/	/	0.07	/	/	/	/	0.19	/	/	/				
3	lift Motor Room supply	B	A	1	65	SWA 0.4	88	2	32	10	0.77	/	/	/	0.06	/	/	/	/	0.18	/	/	/				
4																											
5																											
6																											
7																											
8																											
9																											
10																											
11																											
12																											
13																											
14																											
15																											
16																											
17																											
18																											
19																											
20																											

Location of consumer unit **lift Motor Room** Designation of consumer unit **lift Motor Rm TPN** Prospective fault current at consumer unit **3.68** kA

TEST INSTRUMENTS		Test instruments (serial numbers) used	
Multi-function	<i>M</i>	Insulation resistance	6028811
		Continuity	6028811
		Earth electrode resistance	—
		Earth fault loop impedance	7022929
		RCD	—

CODES FOR INSTRUMENTS
A Thermoplastic insulated/ sheathed cables
B Thermoplastic cables in metallic conduit
C Thermoplastic cables in non-metallic conduit
D Thermoplastic cables in metallic trunking
E Thermoplastic cables in non-metallic trunking
F Thermoplastic SWA cables
G Thermoplastic SWA cables
H Mineral-insulated cables
D (Other - please state)