

Company Directive

STANDARD TECHNIQUE: CA11/4

Relating to the Procedures for Making Low Voltage Mains Cable Service Branch Joints

This Standard Technique document contains the various approved LV mains cable service branch joints, which shall be implemented in conjunction with the appropriate General Requirements contained in ST: CA1C/4.

This ST has not been written as a training document. It is not intended to be exhaustive in content and you must refer to your supervisor if you require training or instruction.

You shall work safely and skilfully, utilising the training/instruction you have already received, relating to the contents of this document and its cross-references.

You must make sure that you understand your job instructions and that you have the necessary tools and equipment for the job.

Author:

Implementation Date:

June 2012

Approved by:

Policy Manager

Date:

June 2012

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ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

INTRODUCTION

This Standard Technique document contains the various approved LV mains cable service branch joints, which shall be implemented in conjunction with the appropriate General Requirements contained in ST: CA1C/4, including: -

- 1. General Cleanliness and Accident Prevention
- 2. General Jointing Procedures Dead Cables
- 3. General Jointing Procedures and Safety Precautions Live Cables

Resin encapsulated joints are not to be broken down.

If the need arises to undertake a mains service branch joint configuration (i.e. non-standard) not covered within the Standard Technique the Policy Manager, Avonbank, is to be consulted.

CONTENTS

- 7.601 Three Core Wavecon
- 7.602 Four Core Wavecon
- 7.603 Four Core Wavecon CNE
- 7.604 Consac
- 7.605 PILC
- 7.606 PILC CNE

Note: - Any reference to hybrid equally applies to plain concentric.



ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.601

THREE CORE WAVECON MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

	JOINT KIT REFERENCES (HYBRID SERVICES)							
CABLE							1 x 1 ph	2 x 1 ph
SIZE	1 x 1 ph	2 x 1 ph	3 x 1 ph	4 x 1 ph	1 x 3 ph	2 x 3 ph	+	+
							1 x 3 ph	1 x 3 ph
95W	MSB 1	MSB 4	MSB 7	MSB 10	MSB 13	MSB 16	MSB 19	MSB 22
185W	MSB 2	MSB 5	MSB 8	MSB 11	MSB 14	MSB 17	MSB 20	MSB 23
300W	MSB 3	MSB 6	MSB 9	MSB 12	MSB 15	MSB 18	MSB 21	MSB 24

Note: - 70mm² and 120mm² Wavecon used in South Wales will be sized as 95mm² (70) and 185mm² (120)

Key: $-95W = 95mm^2$ Wavecon

 $185W = 185mm^2$ Wavecon

 $300W = 300mm^2$ Wavecon

JOINT KIT MATERIALS

KIT	SHELL		RESIN	C	ONNECTO	RS	EARTH TAIL
REF.	1583	1582	5 litre	MSIP 185	MSIP 300	BCNE 3	LVCU 1700/5
MSB1	1		2	1		2	1
MSB2	1		2	1		2	1
MSB3		1	3		1	2	1
MSB4	1		2	1		2	1
MSB5	1		2	1		2	1
MSB6		1	3		1	2	1
MSB7		1	3	2		2	1
MSB8		1	3	2		2	1
MSB9		1	3		2	2	1
MSB10		1	3	2		2	1
MSB11		1	3	2		2	1
MSB12		1	3		2	2	1
MSB13		1	3	3		2	1
MSB14		1	3	3		2	1
MSB15		1	3		3	2	1
MSB16		1	3	3		2	1
MSB17		1	3	3		2	1
MSB18		1	3		3	2	1
MSB19		1	3	3		2	1
MSB20		1	3	3		2	1
MSB21		1	3		3	2	1
MSB22		1	3	3		2	1
MSB23		1	3	3		2	1
MSB24		1	3		3	2	1

ADDITIONAL ITEMS FOR EACH JOINT

Insulation patch
Black cotton tape
Sealing putty
Cable ties
Shell support
Tinned copper braid (15 x 1.5)
16 swg tinned copper wire
PVC tape
Emery cloth
De-solvit 1000FD
Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section 4 - Part I of the LV Mains Jointing Manual.

Actions

General Requirements (ST: CA1C/4)

33

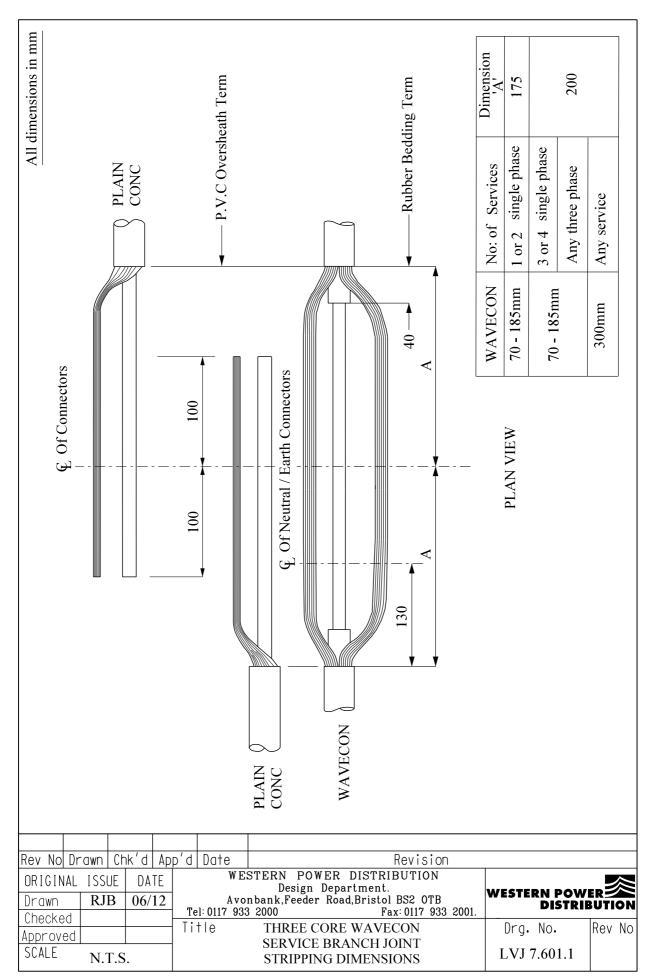
1.	Refer to Drawing LVJ 7.601.1 , 7.601.2 whilst undertaking this Jointing Present Set up and mark the cables	rocedure
	SERVICE CABLE(s) - Preparation	4
2.	Open and cut cable(s)	17
3.	Prepare neutral/earth wires for jointing	8
	WAVECON CABLE - Preparation	
4.	Remove PVC oversheath	
5.	Prepare neutral/earth wires for jointing	8
6.	Remove rubber bedding	9
	COMPLETION OF JOINT	
7.	Set cores in joint position	27
8.	Make neutral/earth connection(s) including equalisation bond and copper earth tail	29
9.	Apply temporary shrouding	21
10.	Make phase connection(s)	29
11.	Remove temporary shrouding applied in 9	
12.	Form neutral/earth wires into their final positions	
13.	Abrade and build up oversheaths	32
14.	Thoroughly degrease the joint	35

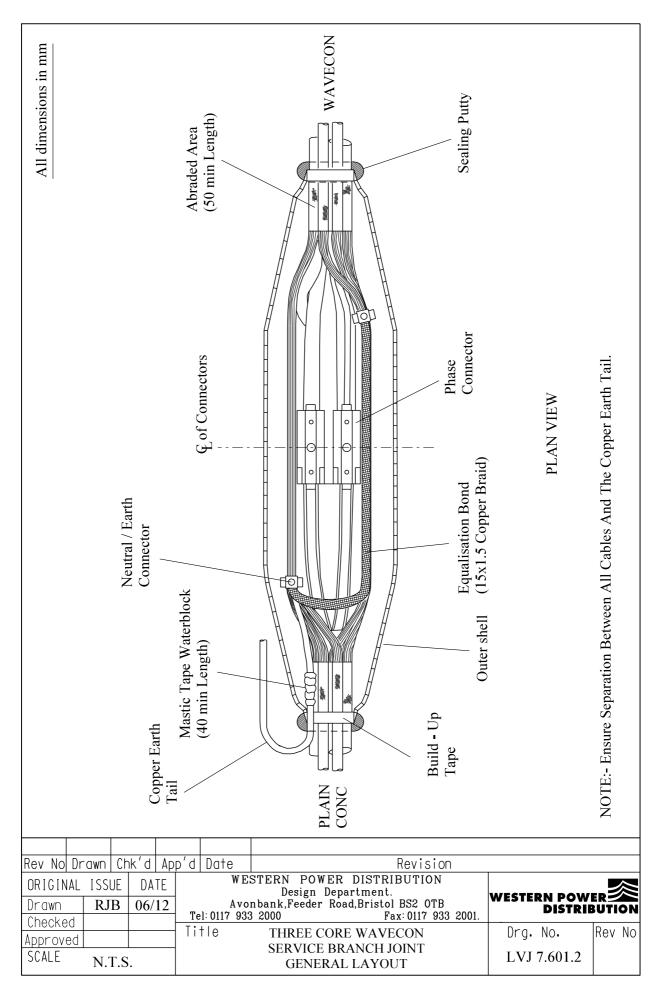
15.

Apply mastic water block to copper earth tail

JOINTING PROCEDURE 7.601 - Continued

Acti	ons	General Requirements (ST: CA1C/4)
16.	Remove temporary binders	
17.	Prepare and fit shell, ensuring 15mm clearance	36
18.	Mix and pour resin	37







ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.602

FOUR CORE WAVECON MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

CABLE SIZE	1 x 1ph	2 x 1 ph	1 x 3ph	2 x 3 ph	1 x 1 ph +
	_	_			1 x 3 ph
95W	MSB 25	MSB 28	MSB 31	MSB 34	MSB 37
185W	MSB 26	MSB 29	MSB 32	MSB 35	MSB 38
300W	MSB 37	MSB 30	MSB 33	MSB 36	MSB 39

Key: $-95W = 95mm^2$ Wavecon

 $185W = 185mm^2$ Wavecon $300W = 300mm^2$ Wavecon

JOINT KIT MATERIALS

KIT	SHELL RESIN		SIN	C	EARTH TAIL			
REF.	1581	1580	5 litre	6.5 litre	MSIP 185	MSIP 300	BCNE 3	LVCU 1700/5
MSB25	1		2	1	2		2	1
MSB26		1		3	2		2	1
MSB27		1		3		2	2	1
MSB28	1		2	1	2		2	1
MSB29		1		3	2		2	1
MSB30		1		3		2	2	1
MSB31	1		2	1	4		2	1
MSB32		1		3	4		2	1
MSB33		1		3		4	2	1
MSB34	1		2	1	4		2	1
MSB35		1		3	4		2	1
MSB36		1		3		4	2	1
MSB37	1		2	1	4		2	1
MSB38		1		3	4		2	1
MSB39		1		3		4	2	1

ADDITIONAL ITEMS FOR EACH JOINT

Insulation patch
Black cotton tape
Sealing putty
Cable ties
Shell support
Tinned copper braid (15 x 1.5)
16 swg tinned copper wire
Emery cloth
De-solvit 1000FD
Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section 4 - Part I of the LV Mains Jointing Manual.

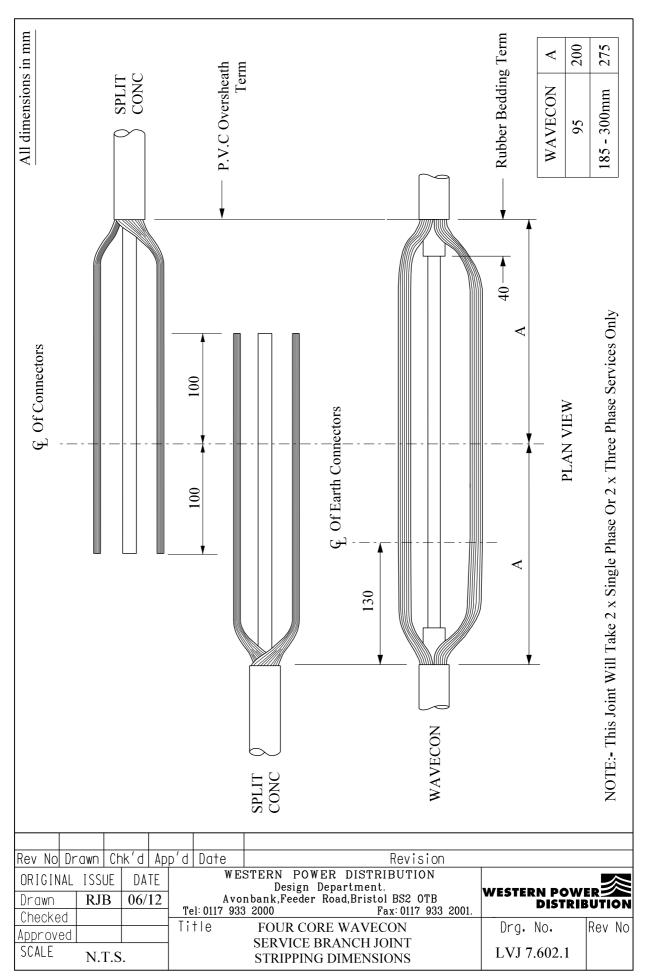
Actions

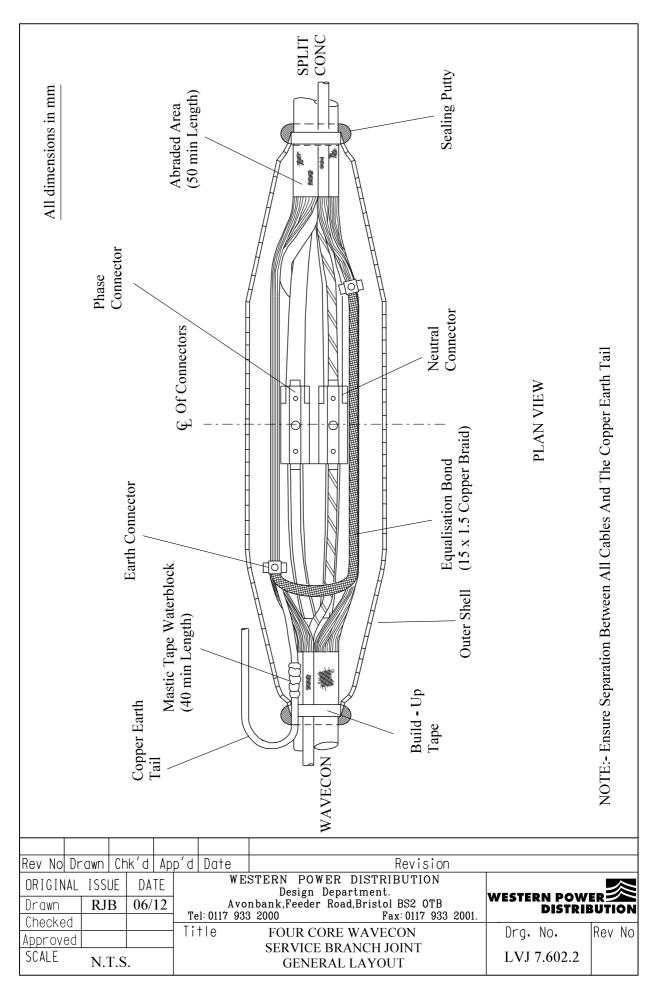
General Requirement (ST: CA1C/4)

	Refer to Drawing LVJ 7.602.1, 7.602.2 whilst undertaking this Join	nting Procedure
1.	Set up and mark the cables	4
	SERVICE CABLE(s) - Preparation	
2.	Open and cut cable	17
3.	Prepare neutral/earth wires for jointing	8
	WAVECON CABLE - Preparation	
4.	Remove PVC oversheath	6
5.	Prepare neutral/earth wires for jointing	8
6.	Remove rubber bedding	9
	COMPLETION OF JOINT	
7.	Set cores in joint position	27
8.	Connect earth wires including equalisation bond and copper earth tail	29
9.	Apply temporary shrouding	21
10.	Make neutral connection(s)	29
11.	Make phase connections(s)	29
12.	Remove temporary shrouding applied in 9	
13.	Form earth wires into their final positions	
14.	Abrade and build up oversheaths	32
15.	Thoroughly degrease the joint	35

JOINTING PROCEDURE 7.602 - Continued

Acti	ons	General Requirements (ST: CA1C/4)
16.	Apply mastic water block to copper earth tail	33
17.	Remove temporary binders	
18.	Prepare and fit shell, ensuring 15mm clearance	36
19.	Mix and pour resin	37







ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.603

FOUR CORE WAVECON CNE MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

		JOINT KIT REFERENCES (HYBRID SERVICES)							
CABLE							1 x 1 ph	2 x 1 ph	
SIZE	1 x 1 ph	2 x 1 ph	3 x 1 ph	4 x 1 ph	1 x 3 ph	2 x 3 ph	+	+	
							1 x 3 ph	1 x 3 ph	
95W	MSB 40	MSB 43	MSB 46	MSB 49	MSB 52	MSB 55	MSB 58	MSB 61	
185W	MSB 41	MSB 44	MSB 47	MSB 50	MSB 53	MSB 56	MSB 59	MSB 62	
300W	MSB 42	MSB 45	MSB 48	MSB 51	MSB 54	MSB 56	MSB 60	MSB 63	

JOINT KIT MATERIALS

KIT	SH	ELL	RE	SIN	CONNECTORS		EARTH TAIL	
REF.	1581	1580	5 litre	6.5 litre	MSIP 185	MSIP 300	BCNE 3	LVCU 1700/5
MSB40	1		2	1	2		2	1
MSB41		1		3	2		2	1
MSB42		1		3		2	2	1
MSB43	1		2	1	2		2	1
MSB44		1		3	2		2	1
MSB45		1		3		2	2	1
MSB46	1		2	1	3		2	1
MSB47		1		3	3		2	1
MSB48		1		3		3	2	1
MSB49	1		2	1	3		2	1
MSB50		1		3	3		2	1
MSB51		1		3		3	2	1
MSB52	1		2	1	4		2	1
MSB53		1		3	4		2	1
MSB54		1		3		4	2	1
MSB55	1		2	1	4		2	1
MSB56		1		3	4		2	1
MSB57		1		3		4	2	1
MSB58	1		2	1	4		2	1
MSB59		1		3	4		2	1
MSB60		1		3		4	2	1
MSB61	1		2	1	4		2	1
MSB62		1		3	4		2	1
MSB63		1		3		4	2	1

ADDITIONAL ITEMS FOR EACH JOINT

Insulation patch
Black cotton tape
Sealing putty
Cable ties
Shell support
16 swg tinned copper wire

PVC tape

r v C tape

35mm² PVC sheathed (green/yellow) copper

Emery cloth

De-solvit 1000FD

Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section 4 - Part 1 of the LV Mains Jointing Manual.

Actions

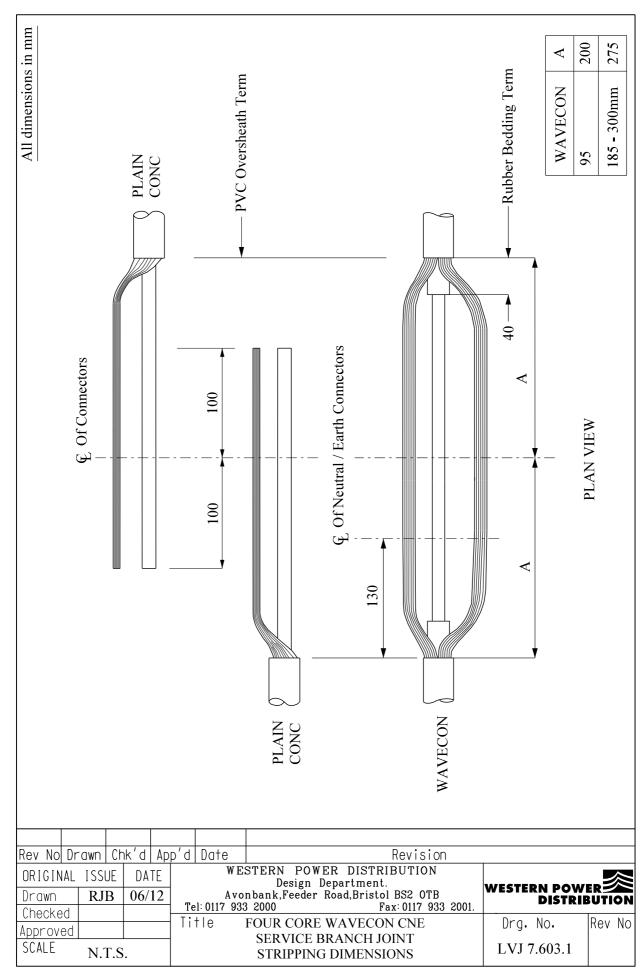
General Requirement (ST: CA1C/4)

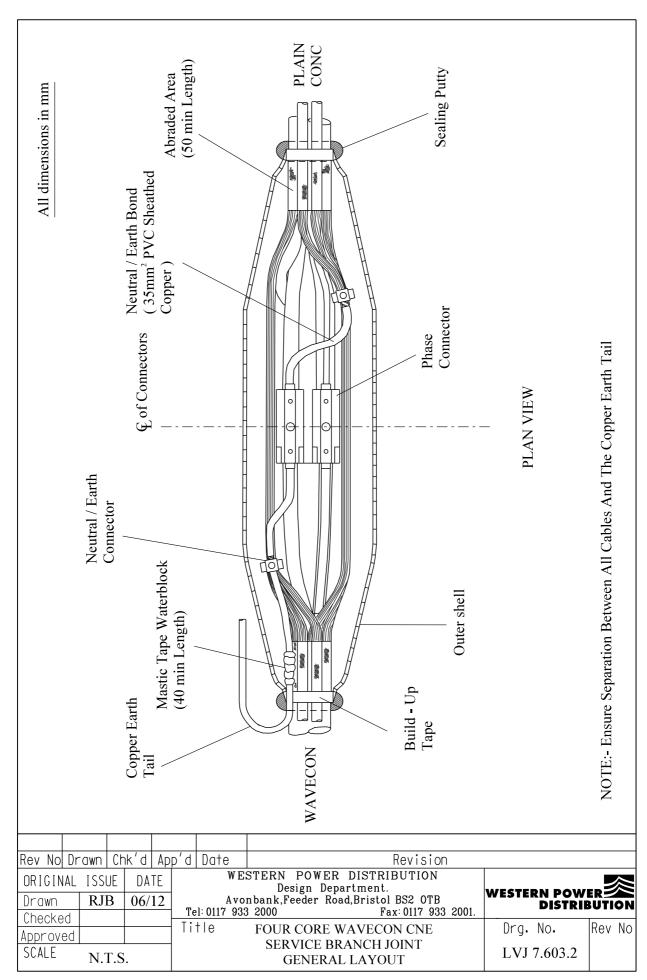
Refer to Drawing LVJ 6.703.1, 6.703.2 whilst undertaking this Jointing Procedure

1.	Set up and mark the cables	4
	SERVICE CABLE(s) - Preparation	
2.	Open and cut cable	17
3.	Prepare neutral/earth wires for jointing	8
	WAVECON CABLE - Preparation	
4.	Remove PVC oversheath	6
5.	Prepare neutral/earth wires for jointing	8
6.	Remove rubber bedding	9
	COMPLETION OF JOINT	
7.	Set cores in joint position	27
8.	Connect 35mm² neutral/earth bond to neutral conductor	29
9.	Make neutral/earth connections including neutral/earth bond and copper earth tail	29
10.	Apply temporary shrouding	21
11.	Make phase connection(s)	29
12.	Remove temporary shrouding applied in10	
13.	Form neutral/earth wires into their final positions	
14.	Abrade and build up oversheaths	32

JOINTING PROCEDURE 7.603 - Continued

Acti	ons	General Requirements (ST: CA1C/4)
16.	Thoroughly degrease the joint	35
17.	Apply mastic water block to copper earth tail	3
18.	Remove temporary binders	
19.	Prepare and fit shell, ensuring 15mm clearance	36
20.	Mix and pour resin	37







ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.604

CONSAC MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

	JOINT KIT REFERENCES (HYBRID SERVICES)							
CABLE					4 0 1		1 x 1 ph	2 x 1 ph
SIZE	1 x 1 ph	2 x 1 ph	3 x 1 ph	4 x 1 ph	1 x 3 ph	2 x 3 ph	+	+
							1 x 3 ph	1 x 3 ph
95C	MSB 64	MSB 66	MSB 68	MSB 70	MSB 72	MSB 74	MSB 76	MSB 78
185C	MSB 65	MSB 67	MSB 69	MSB 71	MSB 73	MSB 75	MSB 77	MSB 79
240C	MSB 80	MSB 81	MSB 82	MSB 83	MSB 84	MSB 85	MSB 86	MSB 87

Key: -

 $95C = 95mm^2 Consac$

185C = 185mm² Consac

 $240C = 240mm^2 Consac$

Note: - 240mm² Consac is only to be found in the Midlands Region of WPD.

JOINT KIT MATERIALS

KIT	SHELL		RESIN		C	CONNE	EARTH TAIL	
REF.	1581	1580	5 litre	6.5 litre	MSIP 185	MSIP 300	TA3	LVCU 1700/5
MSB 64	1		2	1	1		2	1
MSB 65	1		2	1	1		2	1
MSB 66	1		2	1	1		2	1
MSB 67	1		2	1	1		2	1
MSB 68	1		2	1	2		2	1
MSB 69	1		2	1	2		2	1
MSB 70	1		2	1	2		2	1
MSB 71	1		2	1	2		2	1
MSB 72	1		2	1	3		2	1
MSB 73	1		2	1	3		2	1
MSB 74	1		2	1	3		2	1
MSB 75	1		2	1	3		2	1
MSB 76	1		2	1	3		2	1
MSB 77	1		2	1	3		2	1
MSB 78	1		2	1	3		2	1
MSB 79	1		2	1	3		2	1
MSB 80		1		3		1	2	1
MSB 81		1		3		1	2	1
MSB 82		1		3		2	2	1
MSB 83		1		3		2	2	1
MSB 84		1		3		3	2	1
MSB 85		1		3		3	2	1
MSB 86		1		3		3	2	1
MSB 87		1		3		3	2	1

ADDITIONAL ITEMS FOR EACH JOINT

Insulation patch
Black cotton tape
Sealing putty
Cable ties
Shell support
Whipping thread
'H' metal
Abrasive metal
PVC tape

Mastic water block tape Emery cloth De-solvit 1000FD De-solvit 1000 Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section 4 -Part 4 of the LV Mains Jointing Manual.

Note: - 240mm² Consac is only to be found in the Midlands Region of WPD.

Actions

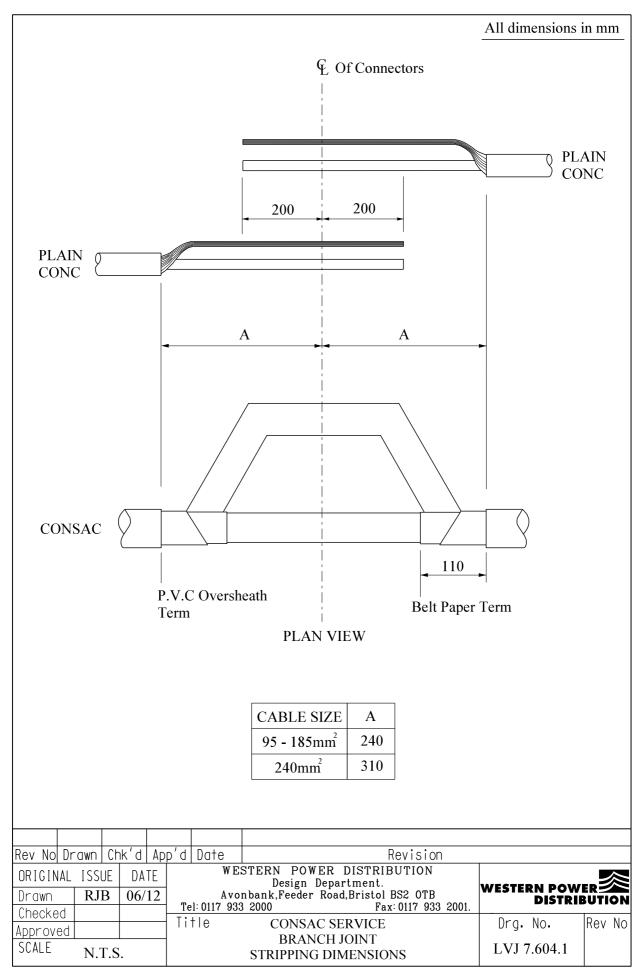
General Requirement (ST: CA1C/4)

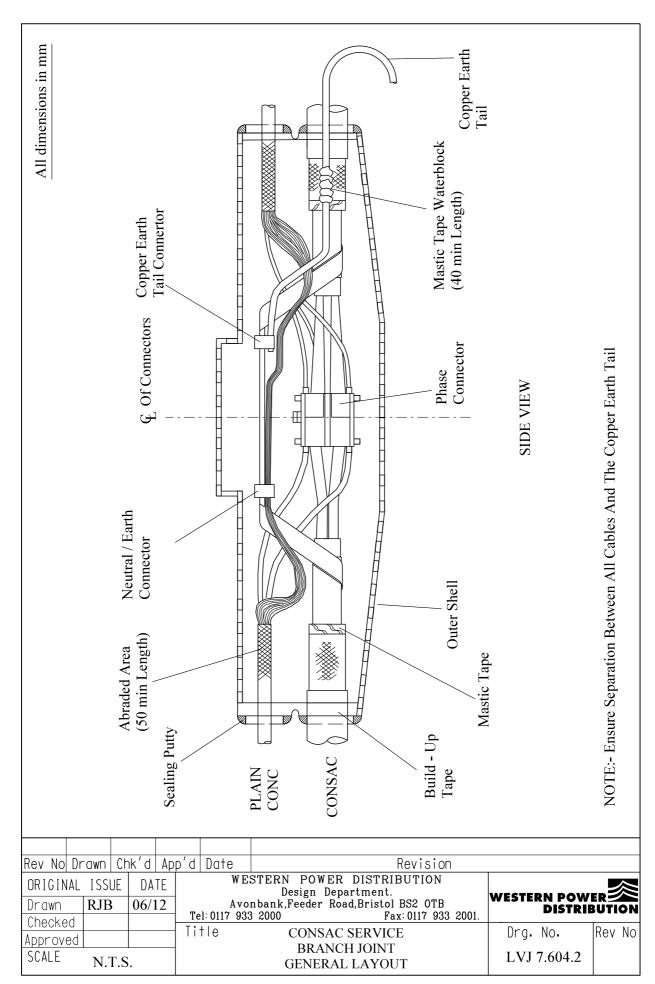
Refer to Drawing LVJ 7.604.1, 7.604.2 whilst undertaking this Jointing Procedure

1.	Set up and mark cables	4
	SERVICE CABLE(s) - Preparation	
2.	Open and cut	17
3.	Prepare neutral/earth wires for jointing	8
	CONSAC CABLE - Preparation	
4.	Remove PVC oversheath	6
5.	Open and prepare neutral/earth sheath	12
6.	Remove belt papers and carry out moisture test	19
	COMPLETION OF JOINT	
7.	Set cores in joint position	27
8.	Connect neutral/earth wires to neutral/earth sheath	29
9.	Apply temporary shrouding	21
10.	Make phase connections	29
11.	Remove temporary shrouding applied in 10	
12.	Form neutral/earth wires and neutral/earth sheath into their final position	31
13.	Connect copper earth tail to neutral/earth sheath	29
14.	Abrade and build up oversheaths	

JOINTING PROCEDURE 7.604 - Continued

Acti	ions	General Requirements (ST: CA1C/4)
15.	Thoroughly degrease the joint	35
16.	Apply mastic water blocks to copper earth tail and Consac PVC oversheath termination	33
17.	Prepare and fit shell, ensuring 15mm clearance	36
18.	Mix and pour resin	37







ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.605

PILC MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

	JOINT BOX REFERENCES (SPLIT CONC SERVICES)										
CABLE SIZE	1 x 1 ph	2 x 1ph	1 x 3ph	2 x 3ph	1 x 1ph + 1 x 3ph						
50 – 120 PILC	MSB 88	MSB 90	MSB 92	MSB 94	MSB 96						
185 – 300 PILC	MSB 89	MSB 91	MSB 93	MSB 95	MSB 97						

JOINT KIT MATERIALS

KIT	SHELL		RESIN		CONNECTORS		EARTH BOND	EARTH TAIL
REF.	1581	1580	5 litre	6.5 litre	MSIP 185	MSIP 300	LVEB 08	LVCU 1700/5
MSB 88	1		2	1	2		2	1
MSB 89		1		3		2	2	1
MSB 90	1		2	1	2		2	1
MSB 91		1		3		2	2	1
MSB 92	1		2	1	4		2	1
MSB 93		1		3		4	2	1
MSB 94	1		2	1	4		2	1
MSB 95		1		3		4	2	1
MSB 96	1		2	1	4		2	1
MSB 97		1		3		4	2	1

ADDTIONAL ITEMS FOR EACH JOINT

Insulation patch
Black cotton tape
Sealing putty
Cable ties
Shell support
Whipping thread
PVC tape
35mm² PVC sheathed (green/yellow) copper
Emery cloth
De-solvit 1000FD
De-solvit 1000
Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section $4-Part\ 1$ of the LV Mains Jointing Manual.

Note: - 240mm² Consac is only to be found in the Midlands Region of WPD.

Actions

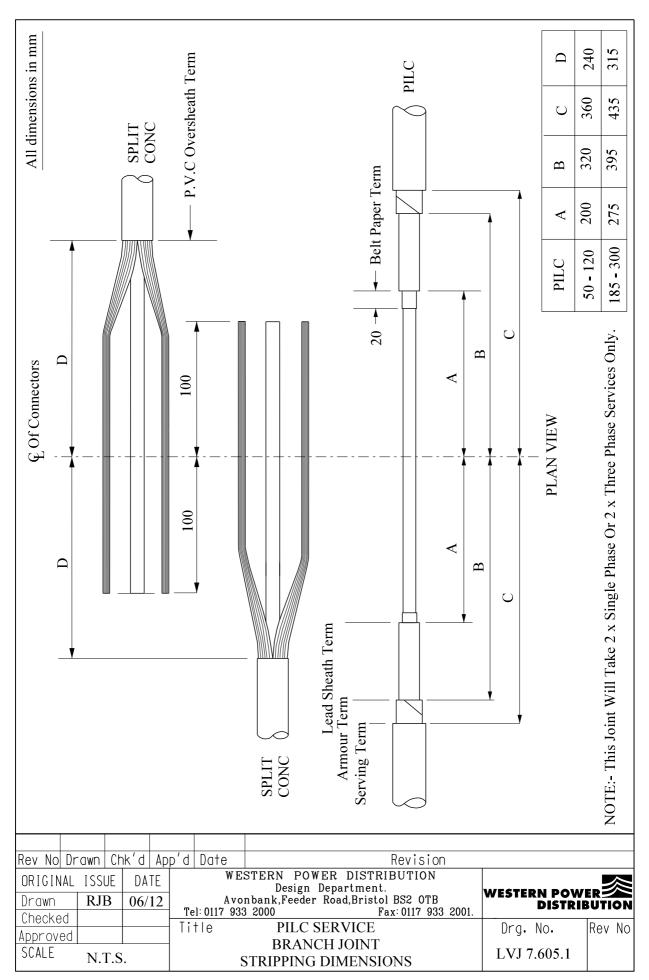
General Requirement (ST: CA1C/4)

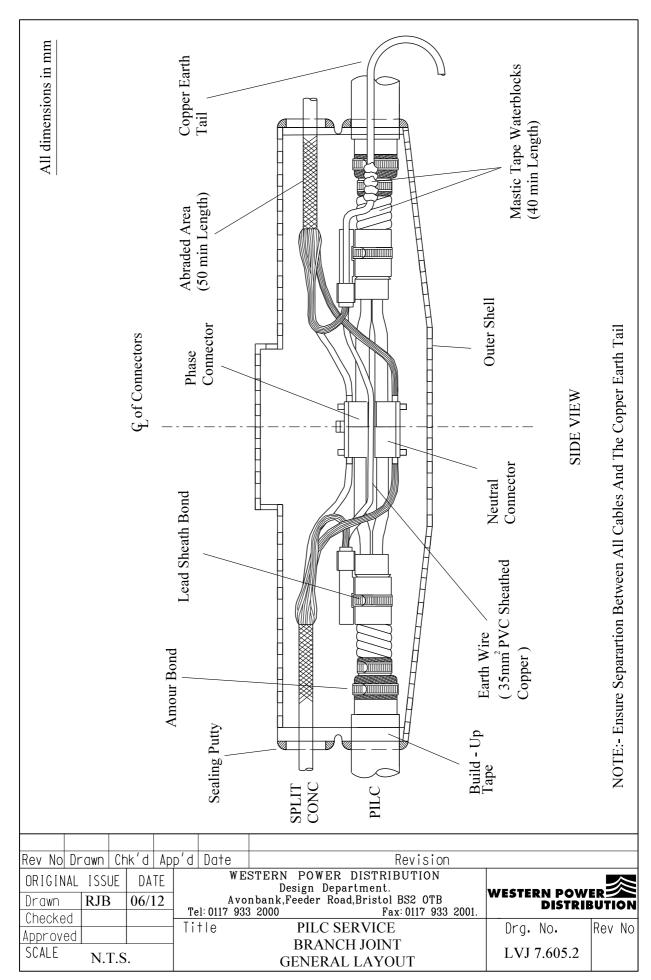
Refer to Drawing LVJ 7.605.1, 7.605.2 whilst undertaking this Jointing Procedure

1.	Set up and mark the cables	4
	SERVICE CABLE(s) - Preparation	
2.	Open and cut cable	17
3.	Prepare neutral and earth wires for jointing	8
	PILC CABLE - Preparation	
4.	Remove serving, armour and bedding then thoroughly clean the lead sheath	10
5.	Apply armour bonds to lead sheaths	23
6.	Fit temporary earth continuity bond to lead sheath	11
7.	Remove lead sheath	13
8.	Remove belt papers and carry out moisture test	19
9.	Apply lead sheath bonds	23
	COMPLETION OF JOINT	
10.	Set cores in joint position	27
11.	Connect a 35mm ² earth wire to lead sheath bonds including copper earth tail and earth wires of service cable	
12.	Remove temporary earth continuity bond applied in 6	
13.	Apply temporary shrouding	21
14.	Make neutral connection(s)	29

JOINTING PROCEDURE 7.605 - Continued

Actio	ons	General Requirements (ST: CA1C/4)		
15.	Make phase connection(s)	29		
16.	Remove temporary shrouding applied in 13			
17.	Abrade and build up oversheaths	32		
18.	Thoroughly degrease the joint	35		
19.	Apply mastic water blocks to lead sheaths and copper earth tail	33		
20.	Prepare and fit shell, ensuring 15mm clearance	36		
21.	Mix and pour resin	37		







ST: CA1I/4 PROCEDURES FOR MAKING LV MAINS CABLE SERVICE BRANCH JOINTS

JOINTING PROCEDURE 7.606

PILC CNE MAINS CABLE SERVICE BRANCH JOINT

This procedure is to be read in conjunction with the appropriate General Requirements ST: CA1C/4 Section 6 Pt 1 of the LV Jointing Manual

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JOINT KIT REFERENCES

	JOINT BOX REFERENCES (HYBRID SERVICES)							
CABLE							1 x 1 ph	2 x 1 ph
SIZE	1 x 1 ph	2 x 1 ph	3 x 1 ph	4 x 1 ph	1 x 3 ph	2 x 3 ph	+	+
							1 x 3 ph	1 x 3 ph
50 – 120 PILC	MSB 98	MSB 100	MSB 102	MSB 104	MSB 106	MSB 108	MSB 110	MSB 112
185 – 300 PILC	MSB 99	MSB 101	MSB 103	MSB 105	MSB 107	MSB 109	MSB 111	MSB 113

JOINT KIT MATERIALS

KIT	SHELL		RE	SIN	CONNE	CTORS	EARTH BOND	EARTH TAIL
REF.	1581	1580	5 litre	6.5 litre	MSIP 185	MSIP 300	LVEB 08	LVCU 1700/5
MSB98	1		2	1	2		2	1
MSB99		1		3		2	2	1
MSB100	1		2	1	2		2	1
MSB101		1		3		2	2	1
MSB102	1		2	1	3		2	1
MSB103		1		3		3	2	1
MSB104	1		2	1	3		2	1
MSB105		1		3		3	2	1
MSB106	1		2	1	4		2	1
MSB107		1		3		4	2	1
MSB108	1		2	1	4		2	1
MSB109		1		3		4	2	1
MSB110	1		2	1	4		2	1
MSB111		1		3		4	2	1
MSB112	1		2	1	4		2	1
MSB113		1		3		4	2	1

ADDITIONAL ITEMS FOR EACH JOINT

Insulation Patch
Black cotton tape
Sealing putty
Cable ties
Shell support
Whipping thread
PVC tape

35mm² PVC sheathed (green/yellow) copper

Emery cloth

De-solvit 1000FD

De-solvit 1000

Workhorse dry wipes

Note: - Individual material item numbers (SHOPS) are to be found in Section 4 - Part 1 of the LV Mains Jointing Manual.

Actions

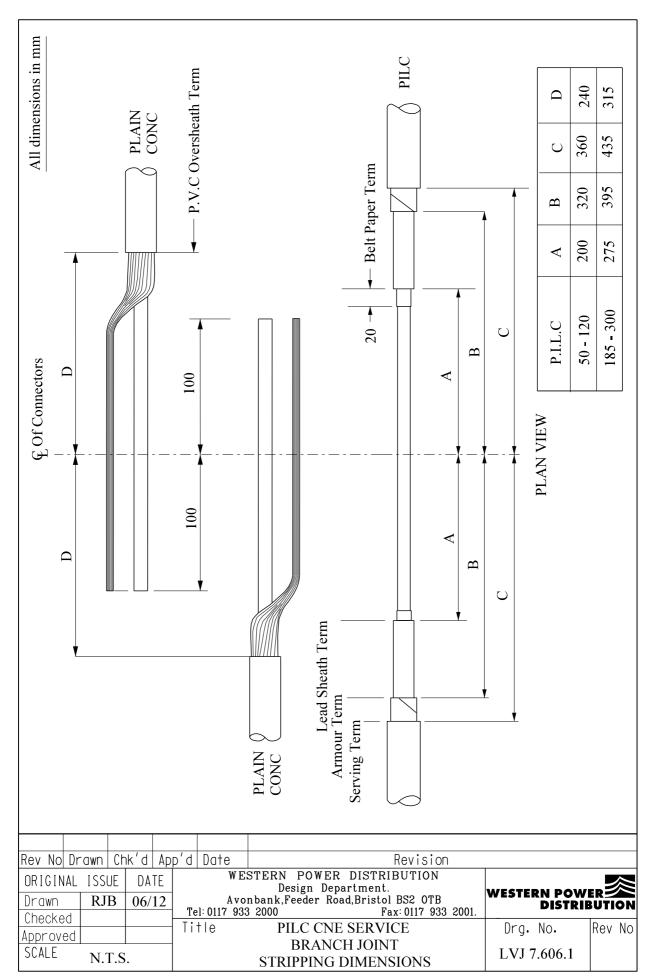
General Requirement (ST: CA1C/4)

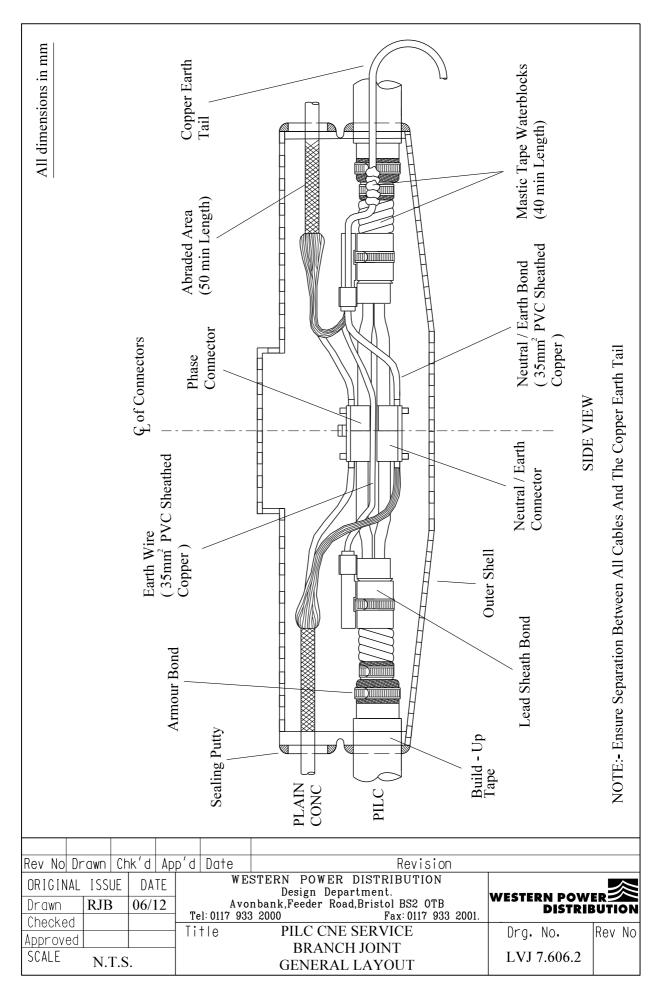
Refer to Drawing LVJ 7.606.1, 7.606.2 whilst undertaking this Jointing Procedure

1.	Set up and mark the cables	4
	SERVICE CABLE(s) - Preparation	
2.	Open and cut cable	17
3.	Prepare neutral/earth wires for jointing	8
	PILC CABLE - Preparation	
4.	Remove serving, armour and bedding then thoroughly clean the lead sheath	10
5.	Apply armour bonds to lead sheaths	23
6.	Fit temporary earth continuity bond to lead sheath	11
7.	Remove lead sheath	13
8.	Remove belt papers and carry out moisture tests	19
9.	Apply lead sheath bonds	23
	COMPLETION OF JOINT	
10.	Set cores in joint position	27
11.	Connect a 35mm² neutral/earth bond to the neutral conductor	29
12.	Connect a 35mm ² earth wire to lead sheath bonds including the neutral/earth bond, service neutral/earth wires and copper earth tail	29
13.	Remove temporary earth continuity bond applied in 6	

JOINTING PROCEDURE 7.606 - Continued

Actio	ns	General Requirements (ST: CA1C/4)
14.	Apply temporary shrouding	21
15.	Make phase connection(s)	29
16.	Remove temporary shrouding applied in 14	
17.	Abrade and build up oversheaths	32
18.	Thoroughly degrease the joint	35
19.	Apply mastic water blocks to lead sheaths and copper earth tail	33
20.	Prepare and fit shell, ensuring 15mm clearance	36
21.	Mix and pour resin	37





APPENDIX A

SUPERSEDED DOCUMENTATION

This Standard Technique supersedes ST:CA1I/3 dated October 2001 which should now be withdrawn.

APPENDIX B

ASSOCIATED DOCUMENTATION

ST: CA1A, ST: CA1C/5, ST: CA1 D, ST: CA1E, ST: CA1F, ST: CA1G, ST: CA1H, ST: CA1U, ST: CA1W, ST: CA1X, ST: CA1Y, ST: CA1Z, ST: CA1AA, ST: CA1AB, ST: CA7A, ST: CA7B, ST: CA7C, ST: CA7D.

APPENDIX C

IMPACT ON COMPANY POLICY

None, as this document has just been updated to incorporate the latest ST: HS8H and other minor changes.

APPENDIX D

IMPLEMENTATION OF POLICY

This Standard Technique shall be communicated to all relevant WPD engineers and site staff at the next Team Briefing by the Team Manager.

APPENDIX E

KEY WORDS

LV Mains cable branch joint with services.

APPENDIX F

DOCUMENT LAST REVIEWED

June 2012