

# Joints and Accessories Catalogue for Cable Systems up to and including 33kV



Inveralmond House, 200 Dunkeld Road, Perth PH1 3AQ  [ssen.co.uk](http://ssen.co.uk)

Scottish and Southern Electricity Networks is a trading name of: Scottish and Southern Energy Power Distribution Limited Registered in Scotland No. SC213459; Scottish Hydro Electric Transmission plc Registered in Scotland No. SC213461; Scottish Hydro Electric Power Distribution plc Registered in Scotland No. SC213460; (all having their Registered Offices at Inveralmond House 200 Dunkeld Road Perth PH1 3AQ); and Southern Electric Power Distribution plc Registered in England & Wales No. 04094290 having their Registered Office at No. 1 Forbury Place 43 Forbury Road Reading RG1 3JH which are members of the SSE Group [www.ssen.co.uk](http://www.ssen.co.uk)

<b>TG-NET-CAB-411</b>	<b>Joints and Accessories Catalogue for Cable Systems up to and including 33kV</b>		<b>Applies to</b>	
			Distribution ✓	Transmission
<b>Revision:</b> 2.00	<b>Classification:</b> Public	<b>Issue Date:</b> November 2019	<b>Review Date:</b> November 2024	

	<b>Name</b>	<b>Title</b>
<b>Author</b>	Atif Haq	Equipment Specification Engineer
<b>Checked by</b>	Jie Dai	Equipment Specification Manager
<b>Approved by</b>	John Baker	Procedures and Investigations Manager

## Contents

1	Introduction .....	3
2	Reference .....	3
3	Acronyms .....	3
4	Guidance Notes.....	4
5	Low Voltage Joint and Termination Kits .....	4
6	Low Voltage Jointing Accessories .....	7
7	Low Voltage Cable Terminations for Switchboards, Pillars & HDCO .....	12
8	11kV Joint Kits and Accessories .....	13
9	11kV Outdoor Terminations .....	16
10	11kV Ring Main Unit Terminations .....	18
11	11kV Indoor Circuit Breaker Terminations .....	18
12	11kV Transformer Cable Terminations .....	20
13	33kV Joint Kits .....	21
14	33kV Indoor and Outdoor Terminations.....	27
15	33kV Cross Bonding Joints and Solid Bonding Link Boxes .....	29
16	33kV 3 Core Oil Transition Joint.....	30
17	33kV Fluid Filled Cable Joints and Accessories .....	30
18	33kV Switchgear and Transformer Terminations .....	30
19	33kV Inner Cone Terminations .....	31
20	33kV Outer Cone Terminations .....	31
21	33kV Subsea Joints, Terminations and Accessories for SHEPD Network .....	32
22	LV Auxiliary Cable Joints and Accessories.....	33
23	Resin for LV Jointing.....	34
24	Resin for HV Applications.....	35
25	Special for Joints and Accessories.....	35
26	Revision History .....	37
Appendix A	Low Voltage Joint Kits and Contents.....	39

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 1 Introduction

- 1.1 This document details lists of approved cable joints and accessories up to and including 33kV which are to be used in Scottish and Southern Electricity Networks (SSEN) and are referenced to SSEN stock codes.
- 1.2 Third parties obtaining joints and accessories from suppliers referenced shall ensure that the SSEN approved item is being ordered.
- 1.3 The joints and accessories listed below show the current tendered and/or approved suppliers.

## 2 Reference

- 2.1 The documents detailed in Table 2.1 - Scottish and Southern Electricity Networks Documents, below shall be used in conjunction with this document.

Table 2.1 - Scottish and Southern Electricity Networks Documents

Reference	Title
PR-NET-ENG-001	Technical Approval of Products for use by SSEN on the Distribution Network
TG-NET-CAB-410	The Distribution Cable and LV Equipment Catalogue
TG-NET-SST-200	Primary Substation Plant Catalogue
TG-NET-SST-201	Secondary Substation Plant Catalogue
TG-NET-CAB-425	The Cable Termination Guide for Distribution Plant
TG-NET-CAB-426	11kV and 33kV Joints Selection Matrix

## 3 Acronyms

- 3.1 The acronyms shown in Table 3.1 are used in this document.

Table 3.1 - List of Acronyms

Acronyms	Definition
CB	Circuit Breaker
EHV	Extra High Voltage
HV	High Voltage
ICP	Independent Connection Provider
LV	Low Voltage
MV	Medium Voltage
NER	Neutral Earthing Resistors
RMU	Ring Main Unit

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Acronyms	Definition
SEPD	Southern Electric Power Distribution
SHEPD	Scottish Hydro Electric Power Distribution
SHETL	Scottish Hydro Electric Transmission Limited
SSE	Scottish and Southern Energy
SSEN	Scottish and Southern Electricity Networks

## 4 Guidance Notes

- 4.1 SSEN staff shall order items through Harmony.
- 4.2 **Independent Connection Providers (ICPs) and other Third Parties:** When contacting the current SSEN suppliers, the relevant SSEN stock code or manufacturer reference shall be quoted to ensure that the item is the approved one and not a derivative which subsequently may not be acceptable. Please Note some manufacturers use SSE or SE after their number and this must be included to get the correct kit.
- 4.3 Joints and Accessories not listed in this document may be considered by SSEN. However, the Approval process may take some time and attract a charge for the work. Please refer to PR-NET-ENG-001 “Technical Approval of Products for use by SSEN on the Distribution Network”.
- Furthermore, some joints and accessories may only have approved for use in either the SSEN North area in Scotland or the South area in England or SSE Out of Area network which excludes the SSEN licenced areas.
  - Joints and Accessories that have been approved for use in both the **SHEPD** and **SEPD** regions, will have a **Nationwide** reference.
  - In addition, there may be a requirement to provide operational spares for unusual items where replacements cannot be readily sourced from SSEN standard strategic stock.
  - Where items are listed as either North or South, ICP’s may use the supplier listed for **South** on the Scottish Hydro Electric Power Distribution (**SHEPD**) Network and **North** on the Southern Electric Power Distribution (**SEPD**) Network.

## 5 Low Voltage Joint and Termination Kits

- 5.1 For a breakdown of the Low Voltage Joint Kits including contents, refer to **Appendix A**.
- 5.2 Approved Manufacturer for **SEPD (South)/ Nationwide**: TE Connectivity (Tyco).

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

LV Joint and Termination Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
027101	LV Joint Kit Core 3 Wavecon Breeches 95/185mm <sup>2</sup>	BAH-038080977	Nationwide
027198	LV Joint Kit 3 Core Wavecon Breeches 95mm <sup>2</sup>	BAH-038080986	Nationwide
027114	LV Joint Kit 3 Core Wavecon-Consac 95/185mm <sup>2</sup> Transition Breeches	BAH-038080978	Nationwide
027127	LV Joint Kit 3 Core Wavecon-Consac 95/185mm <sup>2</sup> Transition Straight Joint	BAH-038080979	Nationwide
027130	LV Joint Kit 3 Phase Concentric – PILC Transition Straight Joint	BAH-038080980	Nationwide
027143	LV Joint Kit 3 Core Wavecon 95/185mm <sup>2</sup> - Straight Joint	BAH-038080981	Nationwide
027156	LV Joint Kit Consac Service Breeches 95/185mm <sup>2</sup>	BAH-038080982	Nationwide
027169	LV Joint Kit PILC Pot End 185/300mm <sup>2</sup>	BAH-038080983	Nationwide
027172	LV Joint Kit PILC Mains Service Breeches 300mm <sup>2</sup>	BAH-038080984	South
027185	LV Joint Kit 3 Core Wavecon Straight 300mm <sup>2</sup>	BAH-038080985	Nationwide
027200	(South Only) LV Joint Kit Triple Concentric Service Joint	BAH-038080987	Nationwide
027213	LV Joint Kit PILC Service Joint 185mm <sup>2</sup>	BAH-038080989	South
027226	LV Joint Kit Consac 3 Core Wavecon Breech Joints 300mm <sup>2</sup>	BAH-038080990	Nationwide
027239	LV Joint Kit Triple Concentric – 3 Core Wavecon Breech Joint 185mm <sup>2</sup>	BAH-038080991	Nationwide
027255	LV Joint Kit 3 Core Wavecon Service Joint 185mm <sup>2</sup> (2 x 1Ø or 1 x 3Ø)	BAH-038080993	South
027268	LV Joint Kit 1 Phase Service Concentric PILC Transition Straight 16/35mm <sup>2</sup>	BAH-038080994	Nationwide
027271	LV Joint Kit PILC Pot End 95mm <sup>2</sup>	BAH-038080995	Nationwide
027284	LV Joint Kit 3 Core Wavecon Breeches 95/300mm <sup>2</sup>	BAH-038080996	Nationwide
027297	LV Joint Kit 3 Core Wavecon Service Breeches 300mm <sup>2</sup>	BAH-038080997	South
027302	LV Joint Kit 3 Core Wavecon + Consac Pot End 300mm <sup>2</sup>	BAH-038080998	Nationwide
027315	LV Joint Kit 3 Core Wavecon Pot End 95/185mm <sup>2</sup>	BAH-038080999	Nationwide
027328	LV Joint Kit 3 Phase Concentric Pot End 35mm <sup>2</sup> (Heat Shrink) Pack of 5	BAH-038081000	Nationwide
027331	LV Joint Kit 1 Phase Concentric Pot End 4-35mm <sup>2</sup> (Heat Shrink) Pack of 5	BAH-038081001	Nationwide
027344	LV Joint Kit 1Phase Concentric Straight 25-35mm <sup>2</sup> (Heat Shrink) Pack of 5	BAH-038081002	Nationwide
027357	LV Joint Kit Concentric 3 Phase Straight 35mm <sup>2</sup> (Heat Shrink) Packs of 5	BAH-038081003	Nationwide
027360	LV Joint Kit 1 Phase Concentric Service Breeches 4-35mm <sup>2</sup>	BAH-038081004	Nationwide
027373	LV Joint Kit 3 Phase Concentric Service Breeches 4-35mm <sup>2</sup>	BAH-038081005	Nationwide

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

LV Joint and Termination Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
027386	LV Joint Kit 1 Phase Concentric to PILC Transition Joint 4-35mm <sup>2</sup>	BAH-038081006	Nationwide
027401	LV Joint Kit PME Earthing Kit	BAH-038080988	Nationwide
027414	LV Joint Kit 4 Core Wavecon To PILC Transition Straight 95mm <sup>2</sup>	BAH-038081008	Nationwide
027427	LV Joint Kit 4 Core Wavecon To PILC Transition Straight 185mm <sup>2</sup>	BAH-038081009	Nationwide
027430	LV Joint Kit 4 Core Wavecon To PILC Transition Straight 300mm <sup>2</sup>	BAH-038081010	Nationwide
027443	LV Joint Kit 4 Core Wavecon Straight Joint 95-185mm <sup>2</sup>	BAH-038081011	Nationwide
027456	LV Joint Kit 4 Core Wavecon Straight Joint 300-185/95mm <sup>2</sup>	BAH-038081012	Nationwide
027469	LV Joint Kit 4 Core Wavecon Breech Joint 185mm <sup>2</sup>	BAH-038081013	Nationwide
027472	LV Joint Kit 4 Core Wavecon Breech Joint 95-300mm <sup>2</sup>	BAH-038081014	Nationwide
027485	LV Joint Kit 4 Core Wavecon - PILC Breech Joint 95mm <sup>2</sup>	BAH-038081015	Nationwide
027498	LV Joint Kit 4 Core Wavecon - PILC Breech Joint 185mm <sup>2</sup>	BAH-038081016	Nationwide
027600	LV Joint Kit 4 Core Wavecon - PILC Breech Joint 300mm <sup>2</sup>	BAH-038081017	Nationwide
027626	LV Joint Kit 4 Core Wavecon or Districable Pot End 300mm <sup>2</sup>	BAH-038081019	Nationwide
027639	LV Joint Kit 4 Core Wavecon - Districable Service Breeches 95-185mm <sup>2</sup>	BAH-038081020	For ICP Use Only
027642	LV Joint Kit 4 Core Wavecon - Districable Service Breeches 300mm <sup>2</sup>	BAH-038081021	For ICP Use Only
027655	LV Joint Kit 3 Core Wavecon - Districable Straight Joint 95-300mm <sup>2</sup>	BAH-038081022	For ICP Use Only
027668	LV Joint Kit 3 Core 95-185mm <sup>2</sup> Wavecon - Districable Breeches Joint 95-300mm <sup>2</sup>	BAH-038081023	For ICP Use Only
027671	LV Joint Kit 3 Core 300mm <sup>2</sup> Wavecon - Districable Breeches Joint 95-300mm <sup>2</sup>	BAH-038081024	For ICP Use Only
027559	LV Joint Kit 4-35mm <sup>2</sup> Split Concentric to SWA	BAH-038081471	Nationwide
027562	LV Kit 3 core Wavecon to ABC 95-185mm <sup>2</sup> Pole Termination Kit	BAH-038081480	Nationwide
027575	LV Kit 4 core Wavecon to ABC 95-185mm <sup>2</sup> Pole Termination Kit	BAH-038081482	Nationwide
027588	LV Kit 3 core Wavecon to Consac Transition Straight 95mm <sup>2</sup>	BAH-038081483	Nationwide
027300	LV Joint Kit 1 Phase Concentric Straight Joint 4mm SSE Kit	BAH-038081007	Nationwide
990114	Single Phase PILC Service Pot End 4-35mm <sup>2</sup>	BAH-038081486	Nationwide
027214	PILC Service Cut and Remake	BAH-038081533	Nationwide



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

5.3 Approved Manufacturer for **SHEPD (North)**: Sicame Electrical Distribution.

LV Joint Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
027255	LV Joint Kit 3 Core Wavecon Service Joint 185mm <sup>2</sup> (2 x 1Ø or 1 x 3Ø)	MSJ185W/SSE	North
027297	LV Joint Kit 3 Core Wavecon Service Breeches 300mm <sup>2</sup>	MSJ300W/SSE	North
027639	LV Joint Kit 4 Core Wavecon - Districable Service Breeches 95-185mm	MSJ185W4/DIS/SSE	North
027642	LV Joint Kit 4 Core Wavecon - Districable Service Breeches 300mm <sup>2</sup>	MS300W4/DIS/SSE	North
027655	LV Joint Kit 3 Core Wavecon - Districable Straight Joint 95-300mm <sup>2</sup>	SMJ300W/DIS/SSE	North
027668	LV Joint Kit 3 Core 95-185mm <sup>2</sup> Wavecon - Districable Breeches Joint 95-300mm <sup>2</sup>	BMJ185W/DIS/SSE	North
027671	LV Joint Kit 3 Core 300mm <sup>2</sup> Wavecon - Districable Breeches Joint 95-300mm <sup>2</sup>	BMJ300W/DIS/SSE	North
027213	LV Joint Kit PILC Service Joint 185mm <sup>2</sup>	MSJ185P/SSE	North
027172	LV Joint Kit PILC Mains Service Breeches 300mm <sup>2</sup>	MSJ300P/SSE	North

## 6 Low Voltage Jointing Accessories

6.1 Approved Manufacturer for **Nationwide**: TE Connectivity (Tyco).

Van Stock - Service Modules		
SSEN Stock Number	Description of item	Manufacturer Reference
027684	Service Module For 95mm <sup>2</sup> Service Top Insert and Top Insulation Shroud	BAH-037100071
027697	Service Module For 185mm <sup>2</sup> Service Top Insert and Top Insulation Shroud	BAH-037100072
027700	Service Module For 300mm <sup>2</sup> Service Top Insert and Top Insulation Shroud	BAH-037100073

Van Stock - Mechanical Connectors and Lugs		
SSEN Stock Number	Description of item	Manufacturer Reference
027742	50-185mm <sup>2</sup> Insulated Insulation Piercing Service Connector	BAH-021500032

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Van Stock - Mechanical Connectors and Lugs		
SSEN Stock Number	Description of item	Manufacturer Reference
027755	185-300mm <sup>2</sup> Insulated Insulation Piercing Service Connector	BAH-021500033
027768	UST400 Straight Connector	BAH-032020088
027771	UBR400 Branch Connector	BAH-033000071
026560	95mm Straight Connectors with Service	BAH-032020082
021201	Brass Water Blocked Mechanical Connector 1.5-6.0mm <sup>2</sup>	HEL-4102.1Z
021243	Brass Water Blocked Mechanical Connector 4/16mm <sup>2</sup>	BAH-022040004
021256	Brass Water Blocked Mechanical Connector 25/50mm <sup>2</sup>	BAH-022040019
029504	Brass Neutral/Earth Mechanical Connector	BAH-025000024
026500	Mechanical Connector for 95mm <sup>2</sup> Solid Aluminium Sectoral Cables with 12mm Hole Supplied with Aluminium Bolts	BAH-024020028
026513	Mechanical Connector for 95mm <sup>2</sup> Solid Aluminium Sectoral Cables with 16mm Hole Supplied with Aluminium Bolts	BAH-024020034
026526	Mechanical Connector for 185mm <sup>2</sup> Solid Aluminium Sectoral Cables with 12mm Hole Supplied with Aluminium Bolts	BAH-024020039
026539	Mechanical Connector for 185mm <sup>2</sup> Solid Aluminium Sectoral Cables with 16mm Hole Supplied with Aluminium Bolts	BAH-024020044
026542	Mechanical Connector for 300mm <sup>2</sup> Solid Aluminium Sectoral Cables with 12mm Hole Supplied with Aluminium Bolts	BAH-024020046
026553	Mechanical Connector for 300mm <sup>2</sup> Solid Aluminium Sectoral Cables with 16mm Hole Supplied with Aluminium Bolts	BAH-024020048
029734	Double Branch Connector for 185mm <sup>2</sup> Wavecon	UBRD 185
950007	Wrench Lock Ground Grid Connector for 16mm Diameter Earth Rod to 8mm Diameter Stranded Conductor	PCN:83749-3

Van Stock - Mechanical Earthing Lugs		
SSEN Stock Number	Description of item	Manufacturer Reference
020750	Mechanical Earthing Lug 35mm <sup>2</sup> with 12mm Clearance Hole Bet 35-12	BAH-024020006
020763	Mechanical Earthing Lug 60mm <sup>2</sup> with 12mm Clearance Hole Bet 60-12	BAH-024020011
020776	Mechanical Earthing Lug 60mm <sup>2</sup> with 16mm Clearance Hole Bet 60-16	BAH-024020012
020789	Mechanical Earthing Lug 120mm <sup>2</sup> with 12mm Clearance Hole Bet 120-12	BAH-024020018
020802	Mechanical Earthing Lug 120mm <sup>2</sup> with 16mm Clearance Hole Bet 120-16	BAH-024020021



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Van Stock - Sundry Items for LV/HV Applications		
SSEN Stock Number	Description of item	Manufacturer Reference
023200	Spring Clips for Joint Shells, Pack of 47	BAH-038070353
954045	Joint Shell Clip Application Tool	BAH-028050001
023202	120G Putty Block for Use with LV Joint Kits	BAH-018070463
023201	Flexible Conductor End Cap Kit for 95-300mm <sup>2</sup> , Pack of 12	BAH-038070543
021214	Temporary Insulating Cap Size 1 Cable End	RVC-1-90 CAP
021269	Temporary Insulating Cap Size 2 Cable End	RVC-2-115-CAP
021230	Temporary Insulating Cap Size 3 Cable End	RVC-3-130-CAP
029982	Cable Ties 250mm x 5mm	BAH-019000012


Miscellaneous Items		
SSEN Stock Number	Description of item	Manufacturer Reference
027739	Supplementary Earth – 20mm <sup>2</sup> including 600mm of Tape-Desc	BAH-035030029
027214	PILC Service Cut and Remake	BAH-038081533
027490	Kit Mounting F.P.I CT (Current Transformers)	BAH-038081534
060394	Bracket for Surge Diverter & 11kV Terminations to SSE Drawing HO/38/549 Manufactured from 51mm x 25mm x 5mm Channel	EPPA-031
030135	Block Terminal Earth Double Screw 4 Way to SSE Drawing 1/132	BAH-026000002
034841	Sleeve Sealing to Drawing 1/647G Type S	BOW-F-SSS
034854	Sleeve Sealing to Drawing 1/647G Type T	BOW-F-SST
034870	Sleeve Sealing to Drawing 1/647G Type W	BOW-F-SSW


Lead Sheath Earth Bonding Clamps BS951		
SSEN Stock Number	Description of item	Manufacturer Reference
030753	Clamp Earthing Phosphor Bronze 14-17.5mm Clamp Size 2	BAH-025010007
030766	Clamp Earthing Phosphor Bronze 17.5-22.0mm Clamp Size 3	BAH-025010006
030779	Clamp Earthing Phosphor Bronze 22.0-27.0 mm Clamp Size 4	BAH-025010004
030782	Clamp Earthing Phosphor Bronze 27.0-34.0 mm Clamp Size 5	BAH-025010005

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

LV Heat Shrink Items		
SSEN Stock Number	Description of item	Manufacturer Reference
026170	Heat Shrink Tubing 13/7mm Black Thin Wall Internal Diameter 12.7mm 91m Coil	CGPT-12.7/6.4-0-FSP
026183	Heat Shrink Tubing 25/13mm Black Thin Wall Internal Diameter 25.4mm 60m Coil	CGPT 25.4/12.7-0-FSP
026167	Heat Shrink Tubing 32/16mm Black Thin Wall Internal Diameter 31.8mm 30m Coil	RNF 3000 39/13-0-SP
026196	Heat Shrink Tubing 38/19mm Black Thin Wall Internal Diameter 38.1mm	CGPT-39/13-0-SP
069421	Heat Shrink Tubing Medium Wall 25/8mm Length 1500mm	MWTM-25/8-1500/S
069434	Heat Shrink Tubing Medium Wall 25/8mm Length 80mm	MWTM-25/8-80/S
026031	Heat Shrink Tubing Medium Wall 35/12mm Length 250mm	MWTM-35/12-250/S
026044	Heat Shrink Tubing Medium Wall 50/16mm Length 250mm	MWTM-50/16-250/S
069418	Dual Wall Heat Shrink Tubing 16/4mm, 1200mm Long, 1.0m Length	ATUM-16/4-0-1M
026303	Heat Shrink End Cap for 11kV/LV Cable External Diameter of Cable 30-50mm	1021048/S
026292	Heat Shrink End Cap for 11kV/LV Cable External Diameter of Cable 50-75mm	102L055/S
026251	Heat Shrink Moulding 95/185mm <sup>2</sup> Consac 3 Way 3 Core	402W516/S
026264	Heat Shrink Moulding 4 core 95/185mm <sup>2</sup> Cables	502K016/S
026099	Heat Shrink Moulding 4 Way Concentric 35mm <sup>2</sup>	502K033/S
026280	Heat Shrink Moulding 3 core 300mm <sup>2</sup> Wavecon Cables	402W526/S
026028	Heat Shrink Thick Wall Tubing Gland Boot	WCSM 130/36 - 200/S
026219	Heat Shrink Moulding – 2 Core	302K333/S
026280	Heat Shrink Moulding – 3 Core for 300mm <sup>2</sup> Wavecon Cable	402W526/S

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Heat Shrink Cable Glands			
SSEN Stock Number	Description of item	Manufacturer Reference	Image of Cable Glands
020162	Cable Gland Heat Shrink	CES-4	
020170	Heat shrinkable Cable Gland	CES-5	

Van Stock - Heat Shrink Cable Sheath Repair Sleeves			
SSEN Stock Number	Description of item	Manufacturer Reference	Image of Sheath Repair Sleeves
026141	Heat Shrink Wrap Around Sheath Repair Sleeve in 1500mm Lengths. Cable OD = 25-50mm	CRSM84/20-1500/250	
026125	Heat Shrink Wrap Around Sheath Repair Sleeve in 1500mm Lengths. Cable OD = 30-100mm	CRSM143/36-1500/250	
026138	Heat Shrink Wrap Around Sheath Repair Sleeve in 1500mm Lengths. Cable OD = 75-150mm	CRSM198/55-1500/250	
026154	Heat Shrink Wrap Around Sheath Repair Sleeve in 1500mm Lengths. Cable OD = 125-250mm	CRSM250/98-1500/250	

6.2 Approved Manufacturer for **Nationwide**: Sicame Electrical Distribution.

Compression Lugs and Cold Shrink Caps		
SSEN Stock Number	Description of item	Manufacturer Reference
022480	Compression Fitting Lug - 16mm <sup>2</sup> Stranded Copper with M6 Stud	10682/HY
022493	Compression Fitting Lug - 25mm <sup>2</sup> Stranded Copper with M12 Stud	CU25-12
022503	Compression Fitting Lug - 35mm <sup>2</sup> Stranded Copper with M12 Stud	CU35-12
022561	Compression Fitting Lug - 70mm <sup>2</sup> Stranded Copper with M16 Stud (South Only)	10675
022532	Compression Fitting Lug - 95mm <sup>2</sup> Stranded Copper with M12 Stud (South Only)	10584
027513	Compression Fitting Lug - 95mm <sup>2</sup> Stranded Copper with M16 (North Only)	E95-12
022574	Compression Fitting Lug - 120mm <sup>2</sup> Stranded Copper with M16	10593

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<u>Compression Lugs and Cold Shrink Caps</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
022600	Compression Fitting Lug - 95mm <sup>2</sup> Stranded Copper with M16	10586
026351	30 – 50 mm cable diameters	Reference TBC
026390	50 – 70 mm cable diameters	Reference TBC


## 7 Low Voltage Cable Terminations for Switchboards, Pillars & HDCO

7.1 Approved Manufacturer for **Nationwide**: Sicame Electrical Distribution.

<u>Mechanical Connector for Heavy Duty Cut Outs</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
029491	Mechanical Connector for 95-300mm <sup>2</sup> for Heavy Duty Cut Outs.	UT4/B

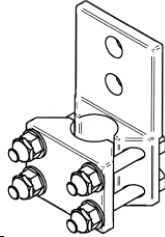
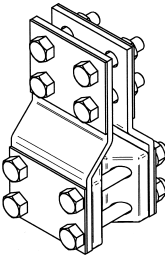
7.2 SSEN staff and Independent Connection Providers (ICP) shall use the Secondary Plant Catalogue TG-NET-SST-201 for ordering LV Cabinets.

7.3 Approved Manufacturer for **Nationwide**: Sicame Electrical Distribution.

<u>Mechanical Connector for LV Cabinet</u>			
SSEN Stock Number	Description of item	Manufacturer Reference	Figure
020671	Mechanical Connector for 95-300mm <sup>2</sup> for LV Cabinets	UMT300/UPN	 <p>UMT185/UPN UMT300/UPN UMT300/B UMT300/C</p>

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

7.4 Approved Manufacturer for **Nationwide**: BTRAC Limited.

Split Clamps for Bunched Wavecon Connections				
SSEN Stock Number	Type of Connector	3 Core Wavecon Cable Size	Manufacturer Reference	Drawing of Split Clamps
091574	Fixed	185mm <sup>2</sup>	BLK0011	
091600	Fixed	300mm <sup>2</sup>	BLK0012	
023698	Flexible	185mm <sup>2</sup>	FLX006	
023708	Flexible	300mm <sup>2</sup>	FLX007	

## 8 11kV Joint Kits and Accessories

- 8.1 All 11kV Joints kits are to be supplied complete with all the necessary components to complete the joint but excluding LV resin.
- 8.2 SSEN staff and ICP's shall refer to the 11kV and 33kV Joints Selection Matrix; TG-NET-CAB-426 to help select the correct joint(s).
- 8.3 Approved Manufacturer for **Nationwide**: TE Connectivity.

11kV Straight/Transition Joints (Heat Shrink)		
SSEN Stock Number	Description of item	Manufacturer Reference
025124	300mm <sup>2</sup> 3 core Polymeric to 300mm <sup>2</sup> 3 core Polymeric straight joint complete kit. (Heat Shrink).	SMOE-64678
024757	70 - 240 mm <sup>2</sup> 3 core polymeric to polymeric straight joint complete kit. (Heat shrink or cold shrink). <b>Kit Reference = P</b>	SMOE 62585
025159	70 - 240 mm <sup>2</sup> 3 core polymeric to 95 - 185 mm <sup>2</sup> PICAS / PILC transition straight joint. Complete kit. (Heat shrink or cold shrink). <b>Kit Reference = V</b>	SMOE 62707

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b><u>11kV Straight/Transition Joints (Heat Shrink)</u></b>		
SSEN Stock Number	Description of item	Manufacturer Reference
025162	150 - 240 mm <sup>2</sup> 3 core polymeric to 300 mm <sup>2</sup> PICAS/ PILC transition straight joint. Complete kit. (Heat shrink or cold shrink). <b><u>Kit Reference = W</u></b>	SMOE 62705
020310	185 - 500 mm <sup>2</sup> single core polymeric to 185 - 630 mm <sup>2</sup> PILC transition straight joint. Any combination of type and size of cable. Complete kit <b>excluding connector</b> . (Heat shrink). <b><u>Kit Reference = Z10</u></b>	EPKJ17D1HL/1HL-GB01
026501	35 - 70 mm <sup>2</sup> 11kV single core polymeric straight joint. Complete kit <b>and jointing instructions</b> . (Heat shrink). <b><u>Kit Reference = Z11</u></b>	SXSU-4121-GB01

<b><u>11kV Straight/Transition Joints (Resin Encapsulated)</u></b>		
SSEN Stock Number	Description of item	Manufacturer Reference
024901	16 - 185 mm <sup>2</sup> 3 core polymeric / PICAS / PILC to 95-185mm <sup>2</sup> 3 core polymeric / PICAS / PILC transition straight joint. Complete kit including build up kits. (Resin encapsulated). <b><u>Kit Reference = Q</u></b>	SMOE 62542
024914	95 - 300 mm <sup>2</sup> 3 core polymeric / PICAS / PILC/ de-rated 33kV 300 mm <sup>2</sup> 'H' transition straight joint. Any combination of type and size of cable. Complete kit including build up kits. (Resin encapsulated). <b><u>Kit Reference = R</u></b>	SMOE 62538
024927	95 - 185 mm <sup>2</sup> 3 core polymeric / PICAS / PILC to 35-185mm <sup>2</sup> 3 core polymeric / PICAS / PILC transition breeches joint. Any combination of type and size of cable. Complete kit including build up kits. (Resin encapsulated). <b><u>Kit Reference = S</u></b>	SMOE 62534
024930	70 - 300 mm <sup>2</sup> 3 core polymeric / PICAS / PILC/derated 33kV 300 mm <sup>2</sup> transition breeches joint. Any combination of type and size of cable. (Resin encapsulated). <b><u>Kit Reference = T</u></b>	SMOE 62546
024943	70 - 300 mm <sup>2</sup> 3 core polymeric / PICAS / PILC pot end. Complete kit including build up kits. (Resin encapsulated). <b><u>Kit Reference = U</u></b>	SMOE 62533



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

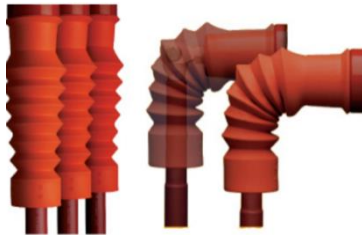
<u>11kV Loop Joint Kits (Heat Shrink)</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
025292	11kV Loop Joint Kit including build up kit 70-185mm <sup>2</sup>	SMOE-63633
025305	11kV Loop Joint Kit including build up kit 300mm <sup>2</sup>	SMOE 63634

<u>11kV Additional Kits</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
024927	35 -300 mm <sup>2</sup> loop joint conversion kit. To be added to Breeches Joint Kits S & T. <b>Kit Reference = Z12</b>	SMOE 62907
026501	11kV Straight Joint single core complete with mechanical connector & jointing instructions 35-70mm <sup>2</sup> (North Only)	REF MXSU-311

<u>11kV Mechanical Connectors and Lugs</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
020530	120 – 400 mm <sup>2</sup> mechanical split connector 33kV	VSTC28-UTB
020527	240 – 630 mm <sup>2</sup> mechanical split connector 33kV	VSTC33-UTB
020394	70 -95 mm <sup>2</sup> thimble mechanical connector for old transformer boxes.	HVTHM1250
020556	400 – 630 mm <sup>2</sup> brass mechanical lug	VETC31-12-UTB

<u>Earthing Lugs</u>		
SSEN Stock Number	Description of item	Manufacturer Reference
020802	Earthing lug mechanical up to 120 mm <sup>2</sup> with 16mm hole	<b>Reference TBC</b>
020750	Earthing lug mechanical up to 35 mm <sup>2</sup> with 12mm hole	<b>Reference TBC</b>
020789	Earthing lug mechanical up to 120 mm <sup>2</sup> with 12mm hole	<b>Reference TBC</b>
020763	Earthing lug mechanical up to 60 mm <sup>2</sup> with 12 mm hole	<b>Reference TBC</b>
020776	Earthing lug mechanical up to 60 mm <sup>2</sup> with 16 mm hole	<b>Reference TBC</b>

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Cold Applied Bushing Protection Boots			
SSEN Stock Number	Description of item	Manufacturer Reference	Figure
025907	11kV Flexible Rubber Bushing Protection Boots up to 630mm <sup>2</sup> Single Core Polymeric Cable	SMOE-64708	

## 9 11kV Outdoor Terminations

- 9.1 All 11kV Outdoor Termination kits are to be supplied complete with all the necessary components to complete the outdoor termination.
- 9.2 Approved Manufacturer for **Nationwide**: TE Connectivity.

11kV Outdoor Terminations 3-Core (Heat Shrink)		
SSEN Stock Number	Description of item	Manufacturer Reference
025175	70 - 240 mm <sup>2</sup> 3 core 11kV Polymeric Pole Termination Kit. <b>Kit to include</b> mechanical copper alloy lugs with 3 × 12 mm clearance holes (Heat shrink or cold shrink), pole bracket, cable cleat, 60 mm <sup>2</sup> copper alloy mechanical earthing lug 12 mm hole + bolt, nut & washers. <u>Excluding surge diverters. Kit Reference = Z9</u>	SMOE 62801
990115	300 mm <sup>2</sup> 3 core 11kV Polymeric Pole Termination Kit. <b>Kit to include</b> mechanical copper alloy lugs with 3 × 12 mm clearance holes (Heat shrink or cold shrink), pole bracket, cable cleat, 60 mm <sup>2</sup> copper alloy mechanical earthing lug 12 mm hole + bolt, nut & washers. <u>Excluding surge diverters.</u>	<i>Reference TBC</i>

- 9.3 The following 11kV outdoor terminations shall be used in environments comprising of higher salt/contaminants/pollutants.

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

11kV Outdoor Terminations 3-Core with EXTRA CREEPAGE (Heat Shrink)		
SSEN Stock Number	Description of item	Manufacturer Reference
025205	70 - 240 mm <sup>2</sup> 3 core polymeric pole termination complete with extended creepage for high salt accretion and high pollution areas. <b>Kit to include</b> mechanical copper alloy lugs with 3 × 12 mm clearance holes (Heat shrink or cold shrink), pole bracket, cable cleat, 60 mm <sup>2</sup> copper alloy mechanical earthing lug 12 mm hole + bolt, nut & washers. <u>Excluding surge diverters. Kit Reference = Z15</u>	SMOE 64395
990111	11kV Pole Termination Kit for 300mm <sup>2</sup> 3 core polymeric cable for use with EXTENDED CREEPAGE. <b>Kit to include</b> mechanical copper alloy lugs with 3 × 12 mm clearance holes (Heat shrink or cold shrink), pole bracket, cable cleat, 60 mm <sup>2</sup> copper alloy mechanical earthing lug 12 mm hole + bolt, nut & washers. <u>Excluding surge diverters.</u>	Reference TBC

9.4 For 11kV 500-630mm<sup>2</sup> Indoor and Outdoor Terminations, there are two approved suppliers:

- Approved Manufacturer for **SEPD (South) Region**: Prysmian.
- Approved Manufacturer for **SHEPD (North) Region**: TE Connectivity (Tyco).

11kV 500-630mm <sup>2</sup> Outdoor Terminations Single Core (Cold Shrink)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191042	Termination – Outdoor Cable box 11kV 500-630 mm <sup>2</sup> polymeric cable (set of 3) including angled palm mechanical lugs with 12 mm diameter hole and 3 thick wall adhesive lined heat shrink tubes to seal the cable to brass cable glands Type 'X' or 'Y'. <b>Provided by Prysmian</b>	CGBUEF140B6SE	South
191042	Termination – Outdoor Cable box 11kV 500-630 mm <sup>2</sup> polymeric cable (set of 3) including angled palm mechanical lugs with 12 mm diameter hole and 3 thick wall adhesive lined heat shrink tubes to seal the cable to brass cable glands Type 'X' or 'Y'. <b>Provided by TE Connectivity (Tyco)</b>	Reference TBC	North

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 10 11kV Ring Main Unit Terminations

- 10.1 SSEN staff and Independent Connection Providers (ICP) shall use the Primary and Secondary Plant Catalogues TG-NET-SST-200 and TG-NET-SST-201 for ordering 11kV RMU.
- 10.2 All 11kV Ring Main Units and Circuit Breaker Termination kits are to be supplied complete with all the necessary components to complete the termination.
- 10.3 For further guidance on RMU terminations, please refer to TG-NET-CAB-425.

11kV 3-Core RMU Terminations - Lucy and Schneider (Heat Shrink)		
SSEN Stock Number	Description of item	Manufacturer Reference
025077	Termination - Cable box kit 11kV 70 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots and shim kit (Heat Shrink)	SMOE 62623
025105	Termination – Cable box kit 11kV 150 - 240 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots (Heat Shrink)	SMOE 62626
990113	Termination – Cable box kit 11kV 300 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots (Heat Shrink)	SMOE-64681

## 11 11kV Indoor Circuit Breaker Terminations

- 11.1 SSEN staff and Independent Connection Providers (ICP) shall use the Primary and Secondary Plant Catalogues TG-NET-SST-200 and TG-NET-SST-201 for ordering 11kV RMU.
- 11.2 For further guidance on CB terminations, please refer to TG-NET-CAB-425.

11kV 3-Core Indoor CB Terminations - Eclipse (Heat Shrink)		
<b>Please note:</b> <i>The following terminations are only suitable for PRE 2016 CB Installations.</i>		
SSEN Stock Number	Description of item	Manufacturer Reference
025092	Termination – Cable box kit 11kV 70 mm <sup>2</sup> 3 core polymeric <b>no boots</b> lugs with M12 hole (Heat Shrink) <b>PRE-2016</b>	SMOE 62625
025121	Termination – Cable box kit 11kV 150 - 240 mm <sup>2</sup> 3 core polymeric <b>no boots</b> lugs with M12 hole (Heat Shrink) <b>PRE-2016</b>	SMOE 62628
990112	Termination – Cable box kit 11kV 300 mm <sup>2</sup> 3 core polymeric <b>no boots</b> lugs with M12 hole (Heat Shrink) <b>PRE-2016</b>	SMOE-64680

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

11kV 3-Core Indoor CB Terminations - Eclipse (Heat Shrink)		
<b>Please note:</b> The following terminations are only suitable for <b>POST 2016</b> CB Installations.		
SSEN Stock Number	Description of item	Manufacturer Reference
025093	Termination – Cable box kit 11kV 150 - 240 mm <sup>2</sup> 3 core polymeric <b>no boots</b> straight lugs with M16 hole (Heat Shrink) <b>POST-2016</b>	SMOE-64553
025122	Termination – Cable box kit 11kV 300 mm <sup>2</sup> 3 core polymeric <b>no boots</b> straight lugs with M16 hole (Heat Shrink) <b>POST-2016</b>	SMOE-64679

11.3 For 11kV 500-630mm<sup>2</sup> Indoor CB Terminations, there are two approved suppliers:

- Approved Manufacturer for **SEPD (South) Region**: Prysmian.
- Approved Manufacturer for **SHEPD (North) Region**: TE Connectivity (Tyco).

11kV Single Core 500-630mm <sup>2</sup> Indoor CB Terminations - Eclipse (Cold Shrink)			
<b>Please note:</b> The following terminations are only suitable for <b>PRE 2016</b> CB Installations.			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191041	Termination - Cable box 11kV 500-630 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter hole and 3 thick wall adhesive lined heat shrink tubes to seal the cable to brass cable glands Type 'X' or 'Y'. <b>Provided by Prysmian</b>	CGBUBF140H6SE	South
025094*	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable lugs with M16 hole (set of 3) <b>POST-2016</b> <b>Provided by TE Connectivity (TE)</b>	CSTI-3142-GB06	North
990195*	M16 - M12 Busing Reducing Module <b>for TE Terminations ONLY</b> , used on Eclipse Boards. <b>Provided by TE Connectivity (TE)</b>	Reference TBC	North
191043	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable including <b>ANGLED</b> lugs for Eclipse 11kV switchgear with M12 hole (set of 3) <b>PRE-2016</b> <b>Provided by Prysmian</b>	CGBUBF140H6SE	South
191043	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable including <b>ANGLED</b> lugs for Eclipse 11kV switchgear with M12 hole (set of 3) <b>PRE-2016</b> <b>Provided by TE Connectivity (Tyco)</b>	CSTI-3142-GB05	North

\* For SHEPD Region: Please order TE 33kV Termination Kit **025094** and **include** the M16-M12 Busing Reducing Module **990195** if 12mm Lug is required.

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b>11kV Single Core 500-630mm<sup>2</sup> Indoor CB Terminations - Eclipse (Cold Shrink)</b>			
<b>Please note:</b> The following terminations are only suitable for <b>POST 2016</b> CB Installations.			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
025094	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable lugs with M16 hole (set of 3) <b>POST-2016. Provided by Prysmian</b>	CGBUBF140H6SEM16	South
025094	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable lugs with M16 hole (set of 3) <b>POST-2016 Provided by TE Connectivity (TE)</b>	CSTI-3142-GB06	North
025095	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable ANGLED lugs with M16 hole (set of 3) <b>POST-2016 Provided by Prysmian</b>	CGBUBF140HA6SEM16	South
025095	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable ANGLED lugs with M16 hole (set of 3) <b>Provided by TE Connectivity (TE)</b>	Reference TBC	North

## 12 11kV Transformer Cable Terminations

- 12.1 SSEN staff and Independent Connection Providers (ICP) shall use the Primary and Secondary Plant Catalogues TG-NET-SST-200 and TG-NET-SST-201 for ordering 11kV Transformers.
- 12.2 For further guidance on CB terminations, please refer to TG-NET-CAB-425.
- 12.3 For 11kV 500-630mm<sup>2</sup> Transformer Terminations, there are two approved suppliers:
- Approved Manufacturer for **SEPD (South) Region**: Prysmian.
  - Approved Manufacturer for **SHEPD (North) Region**: TE Connectivity (Tyco).

<b>Primary Transformer (33kV to 11kV) - 11kV Secondary Terminations (Cold Shrink)</b>			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191041	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable lugs with M12 hole – <b>Provided by Prysmian</b>	CGBUBF140H6SE	South
025094	Termination – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable lugs with M16 hole (set of 3) <b>Provided by TE Connectivity (TE)</b>	CSTI-3142-GB06	North
990195*	M16 - M12 Busing Reducing Module <b>for TE Terminations ONLY</b> , used on Eclipse Boards. <b>Provided by TE Connectivity (TE)</b>	Reference TBC	North



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

\* For SHEPD Region: Please order TE 33kV Termination Kit **025094** and **include** the M16-M12 Bushing Reducing Module **990195** if 12mm Lug is required.

Primary Transformer (33kV to 11kV) - 11kV Secondary Terminations (Heat Shrink)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
020900	Termination Heat shrink – Cable box kit 11kV 500-630 mm <sup>2</sup> single core polymeric cable M16 Lugs 197472(set of 3)	Reference TBC	Nationwide

12.4 For 11kV 3 core Cable Terminations, Approved Manufacturer **Nationwide**: TE Connectivity.

Distribution Transformers (11kV to LV) - 11kV Primary Terminations (Heat Shrink)		
SSEN Stock Number	Description of item	Region
025077	Termination - Cable box kit 11kV 70 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots and shim kit (Heat Shrink)	SMOE 62623
025105	Termination – Cable box kit 11kV 150 - 240 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots (Heat Shrink)	SMOE 62626
990113	Termination – Cable box kit 11kV 300 mm <sup>2</sup> 3 core polymeric <b>with</b> bushing boots (Heat Shrink)	SMOE-64681

## 13 33kV Joint Kits

13.1 SSEN staff and ICP's shall refer to the 11kV and 33kV Joints Selection Matrix; TG-NET-CAB-426 to help select the correct joint(s).

13.2 For 33kV Joints, there are two approved suppliers:

- Approved Manufacturer for **SEPD (South) Region**: Prysmian.
- Approved Manufacturer for **SHEPD (North) Region**: TE Connectivity (Tyco).

13.3 33kV Joints to be used on the **SEPD/South Region**:

Prysmian 33kV Straight Joint Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
173104	Straight Joint – 33kV Single Core Polymeric-Polymeric 95-185mm <sup>2</sup>	CGBUEJSXU36185SSE	South
173117	Straight Joint – 33kV Single Core Polymeric-Polymeric 150-240mm <sup>2</sup>	CGBUEJSXU36240SSE	South
173120	Straight Joint – 33kV Single Core Polymeric-Polymeric 185-300mm <sup>2</sup>	CGBUEJSXU36300SSE	South
173133	Straight Joint – 33kV Single Core Polymeric-Polymeric 400-500mm <sup>2</sup>	CGBUEJSXU36500SSE	South

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Prysmian 33kV Straight Joint Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
197508	Straight Joint – 33kV Single Core Polymeric-Polymeric 500-630mm <sup>2</sup>	CGBUEJSXU36630SSE	South

Prysmian Sleeve Modules (Range Taking)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
034890	Sleeve Module - 500mm <sup>2</sup> -185mm <sup>2</sup> (set of 1)	CGBU8703508	South
034891	Sleeve Module - 500mm <sup>2</sup> -240mm <sup>2</sup> (set of 1)	CGBU8703509	South
034892	Sleeve Module - 500mm <sup>2</sup> -300mm <sup>2</sup> (set of 1)	CGBU8703510	South
997257	Sleeve Module – 630mm <sup>2</sup> - 400mm <sup>2</sup> (set of 2)	CGBU8703506	South
997258	Sleeve Module – 630mm <sup>2</sup> - 240mm <sup>2</sup> (set of 2)	CGBU8703505	South

Prysmian Trifurcating Joint Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191035	Trifurcating joint – 33kV 3 core H Transition Joint 95-300mm <sup>2</sup> (Build up kit 197485 required for cables below 95mm <sup>2</sup> )	CGBUEJTT33HSSE	South
191036	Trifurcating joint – 33kV 3 core H Transition Joint up to 500mm <sup>2</sup>	CGBUEJTT33ISSE	South

Prysmian HSL Splitter			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191038	HSL Heat Shrink Splitter 95 mm <sup>2</sup> - 400 mm <sup>2</sup> or 0.1 in <sup>2</sup> - 0.6 in <sup>2</sup>	CGBUHSLSP01	South

TG-NET-CAB-411	<b>Joints and Accessories Catalogue for Cable Systems up to and including 33kV</b>		<b>Applies to</b>	
			Distribution ✓	Transmission
<b>Revision:</b> 2.00	<b>Classification:</b> Public	<b>Issue Date:</b> November 2019	<b>Review Date:</b> November 2024	

<b><u>Prysmian Pot End Modules</u></b>			
<b>SSEN Stock Number</b>	<b>Description of item</b>	<b>Manufacturer Reference</b>	<b>Region</b>
173159	Pot End Module Kit 95-240mm <sup>2</sup>	CGBUEJSXUSE36BSSE	South
173162	Pot End Module Kit 300-630mm <sup>2</sup>	CGBUEJSXUSE36DSSE	South

<b><u>Prysmian Screen Break Cross Bonding Joint</u></b>			
<b>SSEN Stock Number</b>	<b>Description of item</b>	<b>Manufacturer Reference</b>	<b>Region</b>
197491	33kV Screen Transposition Kit for S/C Polymeric Cables (33kV Guard Gap Kit to be used with Straight Joint)	CGBUJ1430DW6GG	South

<b><u>Prysmian <b>Emergency Only</b> 33kV Joint</u></b>			
<b>SSEN Stock Number</b>	<b>Description of item</b>	<b>Manufacturer Reference</b>	<b>Region</b>
197414	Straight Joint – 33kV Transition Joint 185-500mm <sup>2</sup> 1 core Polymeric to 1 core PILC or 1c Polymeric to 1c Polymeric (Build up kit 197472 required for cables below 185mm <sup>2</sup> ).	CGBUEJSXP500SSE	Nationwide

<b><u>Prysmian <b>LEGACY</b> Build Up Kits for 33kV Single Core PILC Cables (PRE-ELASPEED JOINTS)</u></b>			
<b>SSEN Stock Number</b>	<b>Description of item</b>	<b>Manufacturer Reference</b>	<b>Region</b>
197472	Build-up Kit – Single core 33kV PILC cables for conductors less than 185 mm <sup>2</sup> (0.3 in <sup>2</sup> )	CGBUMJ1130A	South
197485	Build-up Kit – Three core 33kV PILC cables for conductors less than 185 mm <sup>2</sup> (0.3 in <sup>2</sup> )	CGBUMJ3130A	South
191037	Build-up Kit – Single core polymeric insulated 33kV cables for conductors 95 – 185 mm <sup>2</sup>	CGBUMJ1430A	South

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Prysmian Miscellaneous Joint Items			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
197470	Conversion Kit – Convert 22kV Belted Cable to Screen Cable Paper Insulated Covered	CGBUM3532ASSE	South
025907	11kV Flexible Rubber Bushing Protection Boots	Reference TBC	South

13.4 33kV Joints to be used on the [SHEPD/North Region](#). Some items are approved for [Nationwide](#):

TE 33kV Straight Joint Kits			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990180	Straight Joint – 33kV Single Core Polymeric-Polymeric 95 -300mm <sup>2</sup>	CSJA-36D/1XU-1XU-GB05	North
173133	Straight Joint – 33kV Single Core Polymeric-Polymeric 400-500mm <sup>2</sup>	CSJA-36E/1XU-1XU-GB05	North
197508	Straight Joint – 33kV Single Core Polymeric-Polymeric 500-630mm <sup>2</sup>	CSJA-36F/1XU-1XU-GB02	North

TE Sleeve Modules (Connector Inserts for Single Polymeric to Single Core PILC)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
034890	Sleeve Module - 500mm <sup>2</sup> -185mm <sup>2</sup> (set of 1)	BAH-037070042	North

TE Size Transition Connector			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
997260	Size Transition Connector – 630/500mm <sup>2</sup> to 400/240mm <sup>2</sup> (set of 1)	BSMB-185/400-630	North
997009	33kV Connector Only: 240mm <sup>2</sup> - 400mm <sup>2</sup> for Polymeric Cable Joints (set of 1)	BSMV-150/400	North

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

TE 33kV Straight Joint Module (Connectors Not Included)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990190	Joint Module Single Core 33kV Straight Polymeric - Polymeric 630mm <sup>2</sup> - 1000mm <sup>2</sup> (Without Connector)	CSJA-36F/1XU-1XU-GB03	Nationwide

TE 33kV Straight Connectors (For 630mm <sup>2</sup> and above)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990191	33kV Connector Only: 630mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-630-1000	Nationwide
990192	33kV Connector Only: 800mm <sup>2</sup> - 800mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-800 MK2	Nationwide
990193	33kV Connector Only: 800mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-800-1000	Nationwide
990194	33kV Connector Only: 1000mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-1000	Nationwide

TE Single Core Transition Joint Build Up Kits - PILC to Polymeric			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
173146	Build-up Kit – Single core 33kV PILC cables for conductors between 70-120mm <sup>2</sup>	CSJ-BUILDUP-KIT-E-GB01	North
990248	Build-up Kit – Single core 33kV PILC cables for conductors between 150- 185 mm <sup>2</sup> (0.3 in <sup>2</sup> )	CSJ-BUILDUP-KIT-E-GB02	North

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

TE Trifurcating Joint Kits for 3-Core H Cable			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191035	Trifurcating joint – 33kV 3 core H Transition Joint 95-240mm <sup>2</sup> (Build up kit 990249 required for cables below 95mm <sup>2</sup> )	CSJH-36D/1XU-3SB-GB01	North
191036	Trifurcating joint – 33kV 3 core H Transition Joint up to 500mm <sup>2</sup>	CSJH-36E/1XU-3SB-GB01	North

TE 3-Core HSL Splitter			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
191038	3 core HSL Heat Shrink Splitter 70 mm <sup>2</sup> - 400 mm <sup>2</sup> or 0.1 in <sup>2</sup> - 0.6 in <sup>2</sup>	SMOE-64707	North

TE Build Up Kits for 33kV 3 Core H PILC Cables			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990249	Build-up Kit – Three core 33kV PILC cables for conductors less than 185 mm <sup>2</sup> (0.3 in <sup>2</sup> )	CSJ-BUILDUP-KIT-E-GB03	North
990251	Build-up Kit – Three Core 33kV PILC cables for conductor less 185-240 mm <sup>2</sup>	CSJ-BUILDUP-KIT-D-GB02	North

TE 33kV Single Core Transition Joint - Polymeric to PILC			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
197414	33kV Transition Joint 185-630mm <sup>2</sup> 1 core Polymeric to 1 core PILC	CSJH-36E/1XU-1HL-GB01	North
197511	33kV Transition Joint 500-630mm <sup>2</sup>	CSJH-36F/1XU-1HL-GB01	North
990250	33kV Transition Joint 70/240mm <sup>2</sup> 1 core PILC to 1 core Polymeric 95/240mm <sup>2</sup>	Reference TBC	North



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

TE Pot End Modules			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
997443	Pot End Module Kit 95-300mm <sup>2</sup>	CSJ-ENDSEAL-KIT-D-GB06	North
997444	Pot End Module Kit 400-500mm <sup>2</sup>	CSJ-ENDSEAL-KIT-E-GB06	North
997445	Pot End Module Kit 630mm <sup>2</sup>	CSJ-ENDSEAL-KIT-F-GB07	North

## 14 33kV Indoor and Outdoor Terminations

- 14.1 All 33kV termination kits are to be supplied complete with all the necessary components to complete the termination.
- 14.2 For 33kV Terminations that includes both indoor and outdoor, there are two approved suppliers:
- **Approved Manufacturer for SEPD Region:** Prysmian.
  - **Approved Manufacturer for SHEPD Region:** TE Connectivity (Tyco).
- 14.3 33kV Joints to be used on the **SEPD/South Region:**

Prysmian 33kV Outdoor Terminations			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
197566	Termination - Outdoor 33kV 70 - 120 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CGBUEJ140E1SE	South
191039	Termination - Outdoor 33kV 150 - 300 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CGBUEJ140E3SE	South
191040	Termination - Outdoor 33kV 400-630 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CGBUEJ140E6SE	South

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Prysmian 33kV Indoor Terminations			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
197456	Termination - Cable box 33kV 150-300 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole and 3 thick wall adhesive lined heat shrink tubes to seal the cable to brass cable glands Type 'X' or 'Y'.	CGBUBJ140H3SE	South
197469	Termination - Cable box 33kV 400-630 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole and 3 thick wall adhesive lined heat shrink tubes to seal the cable to brass cable glands Type 'X' or 'Y'.	CGBUBJ140H6SE	South
197498	Termination - Cable box 33kV 185-240mm <sup>2</sup> Joint Kit with Shrouding for Unfilled Cable Boxes with insufficient air clearances.	Reference TBC	South

#### 14.4 33kV Joints to be used on the SHEPD/North Region:

TE 33kV Outdoor Terminations			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990181	Termination - Outdoor 33kV 95 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CSTO-6132-GB01	North
990182	Termination - Outdoor 33kV 185-400 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CSTO-6142-GB03	North
990196	Termination - Outdoor 33kV 500-630 mm <sup>2</sup> polymeric cable (set of 3) including mechanical lugs with 12 mm diameter clearance hole	CSTO-6152-GB02	North

TE 33kV Indoor Terminations			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990184	Termination - Cable Box 33kV 95mm <sup>2</sup> Polymeric Cable, Set of 3	CSTI-6132-GB01	North
990185	Termination - Cable Box 33kV 185-400mm <sup>2</sup> Polymeric Cable, Set of 3	CSTI-6142-GB03	North
990186	Termination - Cable Box 33kV 500-630mm <sup>2</sup> Polymeric Cable, Set of 3	CSTI-6152-GB02	North

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 15 33kV Cross Bonding Joints and Solid Bonding Link Boxes

15.1 Approved Manufacturer for **Nationwide**: TE Connectivity.

TE 33kV Cross Bonding Joints			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990187	33kV Cross Bonding Screen Break Joint 500-630mm <sup>2</sup> , <b>Includes Connector</b>	CSJH-36E/1XU-1XU-GB07	Nationwide
990188	33kV Cross Bonding Screen Break Joint 630-1000mm <sup>2</sup> , <b>Excludes Connector</b>	CSJH-36F/1XU-1XU-GB03	Nationwide

TE 33kV Straight Connectors (For 630mm <sup>2</sup> and above)			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990191	33kV Connector Only: 630mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-630-1000	Nationwide
990192	33kV Connector Only: 800mm <sup>2</sup> - 800mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-800 MK2	Nationwide
990193	33kV Connector Only: 800mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-800-1000	Nationwide
990194	33kV Connector Only: 1000mm <sup>2</sup> - 1000mm <sup>2</sup> for Polymeric Cable Joints. Can be used for both Straight and Cross Bonding joints.	BSMB-1000	Nationwide

TE 33kV Solid Bonding Link Box			
SSEN Stock Number	Description of item	Manufacturer Reference	Region
990189	33kV Solid Bonding Link Box	HVLB-SICO-GND-6E-COL-S2-M01	Nationwide

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 16 33kV 3 Core Oil Transition Joint

16.1 Approved Manufacturer for **Nationwide**: Grooves Associated Limited.

33kV 3 Core Oil Transition Joint		
SSEN Stock Number	Description of item	Manufacturer Reference
197436	Trifurcating joint – 33kV 3 core Oil Transition Joint to single core poly. 95-500mm <sup>2</sup> complete will all jointing materials and coffin excludes out filling compound and separable connectors.	CTM11

## 17 33kV Fluid Filled Cable Joints and Accessories

17.1 Approved Manufacturer for **Nationwide**: Prysmian.

Prysmian 33kV Fluid Filled Cable Joints and Accessories		
SSEN Stock Number	Description of item	Manufacturer Reference
173205	Oil based compound Pirelli No 8 20kg tin (Sypol: 43296)	SYPOL:43296
173425	33kV 3 core straight joint (PHASING) suitable for jointing any 3-core fluid filled cable with cross sectional area up to 400 mm <sup>2</sup> (0.6 in <sup>2</sup> ).  Complete with all materials including fibre glass box (or other approved outer protection for direct burial), rubber gloves and sockets, including papers in a steel container.	CGB525331SEB
173438	33kV 3 core straight stop joint for any fluid filled cable with cross sectional area up to 400 mm <sup>2</sup> (0.6 in <sup>2</sup> ) complete with all materials including fibre glass box (or other approved outer protection for direct burial), rubber gloves and sockets, including papers and voltalit in a steel container.	CGB527321SEB

## 18 33kV Switchgear and Transformer Terminations

18.1 SSEN Staff and Independent Connection Providers (ICP) shall use the Primary Plant Catalogue TG-NET-SST-200 and Secondary Plant Catalogues TG-NET-SST-201 for ordering 33kV Switchgear and Ground Mounted Transformers.

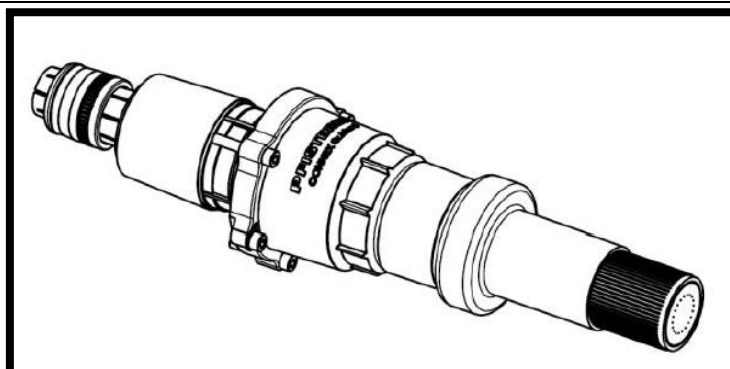
18.2 The Cable Termination Guide for Distribution Plant up to 33kV; TG-NET-CAB-425 will detail the type of terminations required for 33kV Switchgear and Ground Mounted Transformers.

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 19 33kV Inner Cone Terminations

19.1 Approved Manufacturer for **Nationwide**: Pfisterer.

33kV Inner Cone Terminations		
SSEN Stock Number	Description of item	Manufacturer Reference
SIZE 3 = 1250A - SET OF 3		
022383	Connex Connector Size 3 for 33kV 95 mm <sup>2</sup> triplex single core cable	870 330 095
022154	Connex Connector Size 3 for 33kV 185 mm <sup>2</sup> single core cable	870 330 185
022167	Connex Connector Size 3 for 33kV 240 mm <sup>2</sup> single core cable	870 330 240
022207	Connex Connector Size 3 for 33kV 300 mm <sup>2</sup> single core cable	870 330 300
022214	Connex Connector Size 3 for 33kV 400 mm <sup>2</sup> single core cable	870 330 400
022170	Connex Connector Size 3 for 33kV 500 mm <sup>2</sup> single core cable	870 330 500
022112	Connex Connector Size 3 for 33kV 630 mm <sup>2</sup> single core cable	870 335 630
022125	Connex Connector Size 3 Dummy Plug 33kV	827-150-004



19.2 **Important Note:** SSEN Staff and ICP's shall contact Pfisterer to establish the correct variant for 33kV Inner Cone Terminations if Prysmian 33kV Single Core 500-630mm<sup>2</sup> Copper Cables are to be installed. The exact dimensions of the cable ordered will be required.

## 20 33kV Outer Cone Terminations

20.1 The Outer Cone Terminations that are Technically Approved comes in two types: C Type Interface and E Type Interface.

20.2 The Cable Termination Guide for Distribution Plant up to 33kV; TG-NET-CAB-425 will detail the type of Outer Cone terminations required for 33kV Switchgear and Ground Mounted Transformers.

20.3 Approved Manufacturer for **Nationwide**: Nexans Euromould.

TG-NET-CAB-411	<b>Joints and Accessories Catalogue for Cable Systems up to and including 33kV</b>		<b>Applies to</b>	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b>33kV Outer Cone Terminations - C Type</b>		
SSEN Stock Number	Description of item	Manufacturer Reference
<b>CLASS 1 = 630A - SET OF 3</b>		
022370	95-240mm <sup>2</sup> Interface C Tee Connector	3X(M)480TB/G-27-95.240-14.5 CW)
990042	300mm <sup>2</sup> Interface C Tee Connector	3X(M480TB/G-30-120.300-14.5 CW)
<b>CLASS 2 = 1250A - SET OF 3</b>		
990043	400-500mm <sup>2</sup> Interface C Tee Connector	3X(M484TB/G-37-400.630-14.5 CW)
990044	630mm <sup>2</sup> Interface C Tee Connector	3X(M484TB/G-43-400.630-14.5 CW)
990120	Test Rod Kit for C-Type Tee-Boot Separable Connectors (Set of 3)	800TR

<b>33kV Outer Cone Terminations - E Type</b>		
SSEN Stock Number	Description of item	Manufacturer Reference
<b>1250A - SET OF 3</b>		
022012	95-240mm <sup>2</sup> Interface E Tee Connector	3X(M784TB/G-27-95.240-14.5 CW)
022201	300mm <sup>2</sup> Interface E Tee Connector	3X(784TB/G-32-120.300-14.5 CW)
022204	400-500mm <sup>2</sup> Interface E Tee Connector	3X(784TB/G-37-400.630-14.5 CW)
022141	630mm <sup>2</sup> Interface E Tee Connector	3X(784TB/G-43-400.630-14.5 CW)
022041	33kV Dead End Plug	750BIP

## 21 33kV Subsea Joints, Terminations and Accessories for SHEPD Network

- 21.1 Purpose: 33kV Outdoor Termination for areas of higher salt/contaminants/pollutants.
- 21.2 Approved Manufacturer for **SHEPD (North)**: Prysmian.



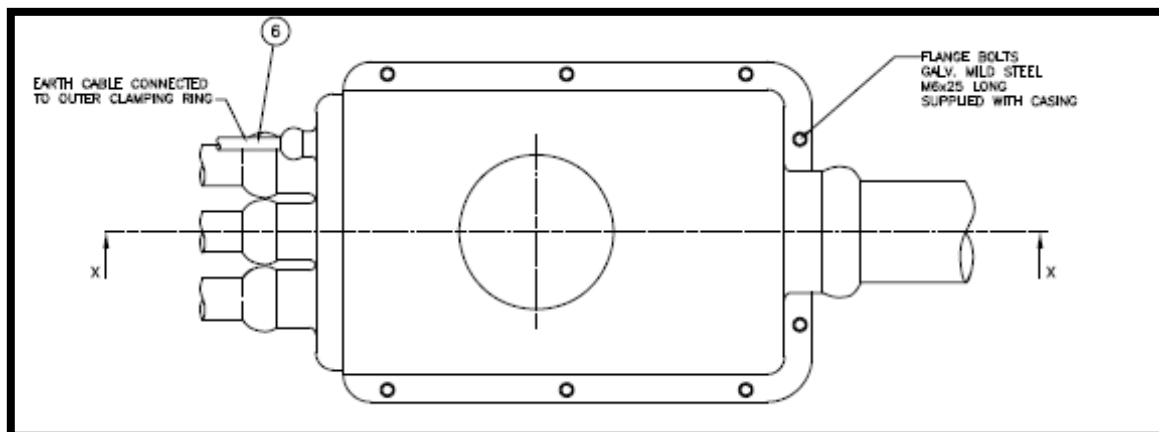
TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

CABTAR0041- 33kV Outdoor High Pollution Termination	
Description of item	Manufacturer Reference
33kV Single Core High Pollution Termination 70 – 120mm <sup>2</sup>	EJ140E1NeSE/ EAN - 5020993021818
33kV Single Core High Pollution Termination 150 – 300mm <sup>2</sup>	EJ140E3NeSE/ EAN - 5020993021825
33kV S/C High Pollution Termination 400 – 630mm <sup>2</sup>	EJ140E6NeSE/ EAN - 5020993021832

21.3 Trifurcating Beach Armour Clamp (BAC) - The BAC shall be used to separate the subsea cable armours and the fibre cable from the subsea arrangements so that the cores can then be joined to standard land cable as per TG-NET-CAB-410, and fibre cables (without armours).

21.4 Approved Manufacturer for **SHEPD (North)**: Prysmian.

CABTAR0052- Trifurcating Beach Armour Clamp (BAC)	
Description of item	Manufacturer Reference
33kV BAC Clamp for Subsea Cable Transition to Land 33kV Cable	Reference TBC



## 22 LV Auxiliary Cable Joints and Accessories

22.1 Approved Manufacturer for **Nationwide**: TE Connectivity.

Pilot Cable Connectors and Joints		
SSEN Stock Number	Description of item	Manufacturer Reference
026345	Pilot cable heat shrink crimp connectors 0.5 – 1.0 mm <sup>2</sup> (Pack 100)	DS-18-22

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Pilot Cable Connectors and Joints		
SSEN Stock Number	Description of item	Manufacturer Reference
026348	Pilot cable heat shrink crimp connectors 1.5 – 2.5 mm <sup>2</sup> (Pack 100)	CC2633-000
173014	Pilot cable straight joint (Tyco / Raychem) 20 pair	SMOE 81954
173373	Pilot cable straight joint (Tyco / Raychem) 61 pair	SMOE 81955
173027	Pilot cable straight joint (Tyco / Raychem) 7 pair	SMOE 81953
957115	Pilot joint connector application pliers	AMP-0-0231839-1

Multipair Pilot Joints and Accessories		
SSEN Stock Number	Description of item	Manufacturer Reference
173027	Joint Pilot Cable Kit 7 Pair Heat shrink	SMOE 81953
173014	Joint Pilot Cable Kit 20 Pair Heat shrink	SMOE 81954
173373	Joint Pilot Cable Kit 61 Pair Heat shrink	SMOE 81955
026345	Heat shrink Insulated Crimp Connectors for 0.5-1mm <sup>2</sup>	D-406-0001CS100
026348	Heat shrink Insulated Crimp Connectors for 1.5-2.5mm <sup>2</sup> Connectors	D-406-0002CS100
957115	Pilot Joint Connector Hand Crimping Tool	AMP-0-0790162-1

## 23 Resin for LV Jointing

- 23.1 For volumes of Low Voltage Resin needed to fill an LV Joint Shell, please refer to the appropriate jointing instruction. Please refer to Appendix A to obtain jointing instruction references.
- 23.2 Approved Manufacturer **Nationwide**: WT Henley (A Division of Sicame UK Ltd).

Resin for LV Applications		
Stock Number	Description of item	Manufacturer Reference
029076	Resin LV kit 2.5 litre	53534-01
029050	Resin LV kit 5.0 litre	53534-02
029063	Resin LV kit 6.5 litre	53534-03

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## 24 Resin for HV Applications

24.1 Approved Manufacturer **Nationwide**: TE Connectivity.

Resin for HV Applications		
Stock Number	Description of item	Manufacturer Reference
023148	Resin HV Guroflex cold pour resin 10 litre pack compound filled boxes and chambers	<i>Reference TBC</i>
023135	Resin HV Guroflex cold pour resin 5.3 litre pack for compound filled boxes and chambers	<i>Reference TBC</i>

## 25 Special for Joints and Accessories

25.1 **Purpose**: NER Replacements

25.2 Approved Manufacturer **Nationwide**: TE Connectivity (Tyco).

CABTAR008 – TE 150 NER Joints	
Description of item	Manufacturer Reference
150mm <sup>2</sup> single core polymeric to 0.1 PILC Cu single core transition straight joint	Joint: EPKJ-17B/1XU-1HL Build-up Tube: JSCR-32/14-160 Build-up Mastic on Lead Sheath: S1061-8-200 Connector: BSMB-35/150 - E05256N001

25.3 **Purpose**: ICP use only for disconnecting services to BT Telephone Boxes.

25.4 Approved Manufacturer **Nationwide**: TE Connectivity (Tyco).

CABTAR015 –PILC Service Pot End	
Description of item	Manufacturer Reference
LV Heat shrink PILC Service Pot End	BAH-038081486

25.5 **Purpose**: HV Link Boxes used for Solid Bonding

25.6 Approved Manufacturer **Nationwide**: TE Connectivity (Tyco).

CABTAR0016 - Solid Bonding Link Boxes with Mounting Racks	
Description of item	Manufacturer Reference
HV Link Box	HVLB – SICO – GND – 6E Gantry Mounting/Buried Mounted Box

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

25.7 **Purpose:** Down-rating existing 33kV cables for 11kV use.

25.8 Approved Manufacturer **Nationwide:** TE Connectivity (Tyco).

CABTAR018 – 33kV to 11kV Transition Joint	
Description of item	Manufacturer Reference
11kV 3 core 240mm <sup>2</sup> XLPE CWS to 33kV single core 185mm <sup>2</sup> XLPE CWS	Joint: EPKJ-17C/1XU-3XU Phase Connector: BSM-95/240 Earth Connector: BSSU-10/35
11kV 3 core 240mm <sup>2</sup> XLPE CWS to 33kV single core 300mm <sup>2</sup> XLPE CWS	Joint: EPKJ-36C/1XU-3XU-GB01 (includes phase & earth connectors) Shim Kit -insulation: SOME-62191 Shim Kit –oversheath:JSCR-54/24-270/U Shims the 11kV 3 Core 240mm <sup>2</sup> Sheath: wscm-130/35-350/S

25.9 **Purpose:** Above 630mm<sup>2</sup> 33kV Straight Joints.

25.10 Approved Manufacturer **Nationwide:** TE Connectivity (Tyco).

CABTAR0024 - 33kV Heat Shrink Straight Joints for Large Cross Sections	
Description of item	Manufacturer Reference
33kV Heat Shrink Joints	MXSU-6161 = 630 to 630mm <sup>2</sup> MXSU-6171 = 800 to 800mm <sup>2</sup> MXSU-6181 = 1000 to 1000mm <sup>2</sup> MXSU-6171-T8 = 630 – 800mm <sup>2</sup> MXSU-6181-T8 = 630 – 1000mm <sup>2</sup>

25.11 **Purpose:** 33kV Straight Disconnector using Inner Cone Separable Connectors

25.12 Approved Manufacturer **Nationwide:** Pfisterer.

CABTAR0032 - Inner Cone 33kV Straight Joint	
Description of item	Manufacturer Reference
Connex Cable Straight Joint – Size 3	HD629.1 S2 (Straight Joint) reference: IEH2010-03/2

25.13 **Purpose:** 33kV Screen Break Joints used for Cross Bonding.

25.14 Approved Manufacturer **Nationwide:** TE Connectivity (Tyco).

CABTAR0038/39 - 33kV Screen Break Joints	
Description of item	Manufacturer Reference
33kV Screen Break Joint	For 630mm <sup>2</sup> Screen Break: CSJH-36E
	For 800mm <sup>2</sup> Screen Break: CSJH-42F

TG-NET-CAB-411	<b>Joints and Accessories Catalogue for Cable Systems up to and including 33kV</b>		<b>Applies to</b>	
			Distribution ✓	Transmission
<b>Revision:</b> 2.00	<b>Classification:</b> Public	<b>Issue Date:</b> November 2019	<b>Review Date:</b> November 2024	

25.15 **Purpose:** Single Core Bonding Leads to be used with HV Link Boxes and Screen Break Joints.

25.16 Approved Manufacturer **Nationwide:** TFK HV Systems.

<b>CABTAR0047 - Single Core Bonding Leads per ER C55.</b>	
Description of item	Manufacturer Reference
Single Core Bonding Lead 1 x 95mm <sup>2</sup>	HV/BL/SC/PVC/95

25.17 **Purpose:** 11kV Trifurcating Joint Single Core 150mm<sup>2</sup> XLPE to 3-Core 150mm<sup>2</sup> XLPE.

25.18 Approved Manufacturer **Nationwide:** TE Connectivity (Tyco).

<b>CABTAR0062 – TE 150-240sqmm Trifurcating Joint</b>	
Description of item	Manufacturer Reference
150-240mm <sup>2</sup> Trifurcating Joint	SSE Stock Code = 024757 - 70 - 240 mm <sup>2</sup> 3 core polymeric to polymeric straight joint complete kit. (Heat shrink). 1 x BAH-022040019 (screen connector) 1 x 402W248/S (breakout to bring three single cores to one)

## 26 Revision History

No	Overview of Amendment and Text affected	Previous Document	Revision	Authorisation
01	New Document	TG-PS-094	1.00	Matthew Thomas
02	Stock Code Changes Plus Additional Items	TG-NET-CAB-411 (Rev 1.00)	1.01	Matthew Thomas
03	Reformatting and Additional Joint kits included. New photographs also added.	TG-NET-CAB-411 (Rev 1.01)	1.02	John Baker
04	Major revision – Document title has changed to Joints and Accessories Catalogue for Cable Systems up to and including 33kV. Appendix B and C have been removed. New sections added to revision 2 such as Low Voltage Joint and Termination Kits, Low Voltage Cable Terminations for Switchboards, Pillars & HDCO, 11kV Outdoor Terminations, 11kV Ring Main Unit Terminations, 11kV Indoor Circuit Breaker Terminations, 33kV Indoor and Outdoor Terminations,	TG-NET-CAB-411 (Rev 1.02)	2.00	John Baker

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

	33kV Cross Bonding Joints and Solid Bonding Link Boxes and 33kV Subsea Joints, Terminations and Accessories for SHEPD Network. New Manufacturers listed post 2019 tenders.			
05				

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

## Appendix A Low Voltage Joint Kits and Contents

### Bill of Materials for TE Connectivity LV Joint Kits

3 Core Wavecon Service 95/185mm <sup>2</sup> with 2 x 1Ø or 1 x 3Ø			
SSEN Stock Code/TE Reference		027255/ BAH-038080993	
Jointing Instructions		WI-NET-CAB-007 & WI-NET-CAB-009	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1828	BAH-028000697	1
Mains service connector	IIPC50-185	BAH-021500032	2
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core Wavecon Service Breeches 300mm <sup>2</sup> with 4 x 1Ø or 2 x 3Ø			
SSEN Stock Code/TE Reference		027297/ BAH-038080997	
Jointing Instructions		WI-NET-CAB-007 & WI-NET-CAB-009	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1829	BAH-028000699	1
Mains service connector	IIPC185-300	BAH-021500033	2
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon or Districable Service Breeches 95 -185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027639/ BAH-038081020	
Jointing Instructions		WI-NET-CAB-008 & WI-NET-CAB-039 WI-NET-CAB-040	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1582-08	BAH-028000476	1
Mains service connector	IIPC50-185	BAH-021500032	2
Neutral and/or Earth connector	USB300D/70INS	BAH-031520037	1



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

4 Core Wavecon or Dstricable Service Breeches 95 -185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027639/ BAH-038081020	
Jointing Instructions		WI-NET-CAB-008 & WI-NET-CAB-039 WI-NET-CAB-040	
Item	Description	TE Reference	Quantity
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon or Dstricable Service Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027642/ BAH-038081021	
Jointing Instructions		WI-NET-CAB-008 & WI-NET-CAB-040	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1582-08	BAH-028000476	1
Mains service connector	IIPC185-300	BAH-021500033	2
Neutral and/or Earth connector	USB300D/70INS	BAH-031520037	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core Wavecon or Consac Pot End 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027302/ BAH-038080998	
Jointing Instructions		WI-NET-CAB-010 & WI-NET-CAB-034	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1767	BAH-028000587	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	1
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Earth Bond Termination	SSE/EBT	BAH-011540003	1
Neutral / Earth Connector	XCT16-6	025722-000	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Plastic Rod 12 x 250	PELR	BAH-018070500	1
Heat shrink	CGPT 32/16-0-500mm	RPN-4623556011	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b><u>3 Core Wavecon or Consac Pot End 300mm<sup>2</sup></u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027302/ BAH-038080998</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-010 &amp; WI-NET-CAB-034</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Heat shrink	CGPT-25.4/12.7-0-500mm	RPN-5069886081	1
Push-on End Cap	FCEC-95-300	BAH-018070501	3
Zip-Ties		BAH-018070166	3
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>3 Core Wavecon Pot End 95-185mm<sup>2</sup></u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027315/ BAH-038080999</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-010 &amp; WI-NET-CAB-034</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1014	BAH-028000032	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	1
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Push-on End Cap	FCEC-95-300	BAH-018070501	3
Zip-Ties		BAH-018070166	3
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>3 Core Wavecon 95-185mm<sup>2</sup> - Straight Joint</u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027143/ BAH-038080981</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-012, WI-NET-CAB-014 &amp; WI-NET-CAB-070</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1003	BAH-028000009	1
Phase connector	UST185INS	BAH-032020080	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 Core Wavecon 300mm <sup>2</sup> - Straight Joint			
SSEN Stock Code/TE Reference		027185/ BAH-038080985	
Jointing Instructions		WI-NET-CAB-012, WI-NET-CAB-014 & WI-NET-CAB-070	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1004-08	BAH-028000012	1
Phase connector	UST300INS	BAH-032020081	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon Straight Joint 95-185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027443/ BAH-038081011	
Jointing Instructions		WI-NET-CAB-013 & WI-NET-CAB-015	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1226-08	BAH-028000240	1
Phase connector	UST185INS	BAH-032020080	4
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon Straight Joint 300-185/95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027456/ BAH-038081012	
Jointing Instructions		WI-NET-CAB-013 & WI-NET-CAB-015	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1227-08	BAH-028000242	1
Phase connector	UST300INS	BAH-032020081	4
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 Core Wavecon Breeches 95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027198/ BAH-038080986	
Jointing Instructions		WI-NET-CAB-016	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1052	BAH-028000054	1
Phase connector	UBR095INS	BAH-033000068	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core Wavecon Breeches 95-185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027101/ BAH-038080977	
Jointing Instructions		WI-NET-CAB-016	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1008-08	BAH-028000023	1
Phase connector	UBR185INS	BAH-033000069	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core Wavecon Breeches 95-300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027284/ BAH-038080996	
Jointing Instructions		WI-NET-CAB-016	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1008-08	BAH-028000023	1
Phase connector	UBR300INS	BAH-033000070	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

4 Core Wavecon Breech Joint 185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027469/ BAH-038081013	
Jointing Instructions		WI-NET-CAB-017	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1008-08	BAH-028000023	1
Phase connector	UBR185INS	BAH-033000069	4
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon Breech Joint 95-300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027472/ BAH-038081014	
Jointing Instructions		WI-NET-CAB-017	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1011-12	BAH-028000028	1
Phase connector	UBR300INS	BAH-033000070	4
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

Consac Service Breeches 95-185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027156/ BAH-038080982	
Jointing Instructions		WI-NET-CAB-033 & WI-NET-CAB-035	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1582-08	BAH-028000476	1
Mains service connector	IIPC50-185	BAH-021500032	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Termination	SSE/EBT	BAH-011540003	5
Neutral / Earth Connector	XCT16-6	025722-000	5
Neutral / Earth Connector	XCT25-6	592958-000	4
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon or Districable Pot End 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027626/ BAH-038081019	
Jointing Instructions		WI-NET-CAB-041	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1582-08	BAH-028000476	1
Neutral and/or Earth connector	USB300D/70INS	BAH-031520037	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Push-on End Caps	FCEC-95-300	BAH-018070501	4
Zip-Ties		BAH-018070166	4
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Plastic Rod 12 x 250	PELR	BAH-018070500	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 Core Wavecon - Consac 95/185mm <sup>2</sup> Transition Straight. *			
SSEN Stock Code/TE Reference		027127/ BAH-038080979	
Jointing Instructions		WI-NET-CAB-036 & WI-NET-CAB-037	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1004-08	BAH-028000012	1
Phase connector	UST185INS	BAH-032020080	3
Service Module	USB185-TI66/INS	BAH-037100072	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	1
Neutral and/or Earth connector	TA2G	BAH-035050012	1
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tube	CGPT-25.4/12.7-0-500mm	RPN-5069886081	1
Heat Shrink Tube	CGPT 32/16-0-500mm	RPN-4623556011	1
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

\* Use Earth Kit for cut and test Supplementary earth kit for transition joint. If Multiple services required, use service modules 027697.

3 Core Wavecon - Consac Transition Straight 95mm <sup>2</sup> *			
SSEN Stock Code/TE Reference		027588/ BAH-038081483	
Jointing Instructions		WI-NET-CAB-036 & WI-NET-CAB-037	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1004-08	BAH-028000012	1
Phase connector	UST095INS	BAH-032020079	3
Service Module	USB095-I52/INS	BAH-037100071	1
Neutral and/or Earth connector	BCNE1S	BAH-025000006	1
Neutral and/or Earth connector	TA1G	BAH-025050002	1
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tube	CGPT-25.4/12.7-0-500mm	RPN-5069886081	1
Heat Shrink Tube	CGPT 32/16-0-500mm	RPN-4623556011	1
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

\* Use Earth Kit for cut and test Supplementary earth kit for transition joint. If Multiple services required, use service modules 027697.

3 Core Wavecon to Districable Straight 95- 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027655/ BAH-038081022	
Jointing Instructions		WI-NET-CAB-042	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1004-08	BAH-028000012	1
Phase connector	UST300INS	BAH-032020081	3
Neutral and/or Earth connector	UBR185	BAH-023000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core Wavecon - Consac 95/185mm <sup>2</sup> Transition Breeches			
SSEN Stock Code/TE Reference		027114/ BAH-038080978	
Jointing Instructions		WI-NET-CAB-038	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1008-08	BAH-028000023	1
Phase connector	UBR185INS	BAH-033000069	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	2
Neutral and/or Earth connector	TA2UTBG	BAH-035050015	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 core Wavecon- Consac Transition Breech Joint 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027226/ BAH-038080990	
Jointing Instructions		WI-NET-CAB-038	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1009-08	BAH-028000024	1
Phase connector	UBR300INS	BAH-033000070	3
Neutral and/or Earth connector	TA2G	BAH-035050012	2
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Supplementary 20mm earth kit	LVCU-EE-1700/5 KIT	BAH-035030029	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core 95-185mm <sup>2</sup> Wavecon-Districable Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027668/ BAH-038081023	
Jointing Instructions		WI-NET-CAB-043	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1053-08	BAH-028000059	1
Phase connector	UBR300INS	BAH-033000070	3
Neutral and/or Earth connector	UBR185	BAH-023000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 Core 300mm <sup>2</sup> Wavecon - Districable Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027671/ BAH-038081024	
Jointing Instructions		WI-NET-CAB-043	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1011-12	BAH-028000028	1
Phase connector	UBR300INS	BAH-033000070	3
Neutral and/or Earth connector	UBR185	BAH-023000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

PILC Service Joint 185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027213/ BAH-038080989	
Jointing Instructions		WI-NET-CAB-044 & WI-NET-CAB-045	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1581-08	BAH-028000475	1
Mains service connector	IIPC50-185	BAH-021500032	2
Neutral and/or Earth connector	UBR185UTBS/INSG	BAH-033000093	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT06	BAH-035030018	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	1.5
Core Spreader (Large)	1019	BAH-018070014	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

PILC Mains Service Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027172/ BAH-038080984	
Jointing Instructions		WI-NET-CAB-044 & WI-NET-CAB-045	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1012-08	BAH-028000029	1
Mains service connector	IIPC185-300	BAH-021500033	2
Neutral and/or Earth connector	UBR300UTBS/INSG	BAH-033000092	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT06	BAH-035030018	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Core Spreader (Large)	1019	BAH-018070014	2
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

PILC Pot End 95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027271/ BAH-038080995	
Jointing Instructions		WI-NET-CAB-046	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1016	BAH-028000035	1
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Earth Bond Kit	LVS-B-KIT10	BAH-035040010	1
Earth Bond Kit	LVEB-KIT07	BAH-035030019	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink	CGPT-24/8-0-500mm	RPN-5433696014	1
Push-on End Caps	FCEC-95-300	BAH-018070501	4
Zip-Ties		BAH-018070166	4
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

PILC Pot End 185-300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027169/ BAH-038080983	
Jointing Instructions		WI-NET-CAB-046	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1015-08	BAH-028000034	1
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat shrink tube clear	EN-CGPT-39/13-X-SP	CGPT-39/13-X-SP	1
Push-on End Caps	FCEC-95-300	BAH-018070501	4
Zip-Ties		BAH-018070166	4
Earth Bond Kit	LVEB-KIT07	BAH-035030019	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon to PILC Transition Straight 95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027414/ BAH-038081008	
Jointing Instructions		WI-NET-CAB-047, WI-NET-CAB-025 & WI-NET-CAB-026	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1226-08	BAH-028000240	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

4 Core Wavecon to PILC Transition Straight 95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027414/ BAH-038081008	
Jointing Instructions		WI-NET-CAB-047, WI-NET-CAB-025 & WI-NET-CAB-026	
Item	Description	TE Reference	Quantity
Phase connector	UST095INS	BAH-032020079	4
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Earth Bond Kit	LVEB-KIT03	BAH-035030015	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tubing	CGPT-25.4/12.7-0-1M	RPN-5069888063	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon to PILC Transition Straight 185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027427/ BAH-038081009	
Jointing Instructions		WI-NET-CAB-047, WI-NET-CAB-025, WI-NET-CAB-026 & WI-NET-CAB-023	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1227-08	BAH-028000242	1
Phase connector	UST185INS	BAH-032020080	4
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Earth Bond Kit	LVEB-KIT04	BAH-035030016	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tubing	CGPT-32/16-0-1000mm	RPN-4623556012	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

4 Core Wavecon to PILC Transition Straight 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027430/ BAH-038081010	
Jointing Instructions		WI-NET-CAB-047, WI-NET-CAB-025, WI-NET-CAB-026 & WI-NET-CAB-023	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1395-12	BAH-028000368	1
Phase connector	UST300INS	BAH-032020081	4
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Earth Bond Kit	LVEB-KIT04	BAH-035030016	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tubing	CGPT-39/19-0-1M	RPN-5069898072	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 & 4 Core Wavecon - PILC Breeches 95mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027485/ BAH-038081015	
Jointing Instructions		WI-NET-CAB-028	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1010	BAH-028000025	1
Phase connector	UBR095INS	BAH-033000068	4
Neutral and/or Earth connector	BCNE3S	BAH-025000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT03	BAH-035030015	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 & 4 Core Wavecon - PILC Breeches 185mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027498/ BAH-038081015	
Jointing Instructions		WI-NET-CAB-027 & WI-NET-CAB-028	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1011-12	BAH-028000028	1
Phase connector	UBR185INS	BAH-033000069	4
Neutral and/or Earth connector	BCNE3S	BAH-025000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT04	BAH-035030016	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

3 & 4 Core Wavecon - PILC Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027600/ BAH-038081017	
Jointing Instructions		WI-NET-CAB-027 & WI-NET-CAB-028	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1011-12	BAH-028000028	1
Phase connector	UBR300INS	BAH-033000070	4
Neutral and/or Earth connector	BCNE3S	BAH-025000011	1
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT06	BAH-035030018	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

1 Phase Concentric to PILC Transition 4-35mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027386/ BAH-038081006	
Jointing Instructions		WI-NET-CAB-048 & WI-NET-CAB-049	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1001	BAH-028000004	1
Service - service connector	PIG35	SIML-0-1629169-1	1



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<u>1 Phase Concentric to PILC Transition 4-35mm<sup>2</sup></u>			
SSEN Stock Code/TE Reference		027386/ BAH-038081006	
Jointing Instructions		WI-NET-CAB-048 & WI-NET-CAB-049	
Item	Description	TE Reference	Quantity
Neutral and/or Earth connector	BCNE1S	BAH-025000006	1
Shrouding for BCNE Connector Left	BCNEXISO	BAH-018070516	1
Shrouding for BCNE Connector Right	BCNEXISI	BAH-018070517	1
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Earth Bond Kit	LVSb-KIT13	BAH-035040013	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<u>1 Phase Concentric Straight 25-35mm<sup>2</sup> (Heat Shrink) packs of 5</u>			
SSEN Stock Code/TE Reference		027344/ BAH-038081002	
Jointing Instructions		WI-NET-CAB-050 & WI-NET-CAB-052	
Item	Description	TE Reference	Quantity
Heat shrink Tube	MWTM-25/8-110/S(C2000)	418004-000	10
Heat shrink Tube	XCSM-44/12-400/S(S25)	099546-000	5
Knit mesh tape	EPPA-009-1050	087108-000	5
Connector	BTC555W	BAH-022040019	10
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b>3 Phase Concentric Straight 35mm<sup>2</sup> (Heat Shrink) packs of 5</b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027357/ BAH-038081003</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-050 &amp; WI-NET-CAB-052</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Heat shrink Tube	MWTM-25/8-110/S(C2000)	418004-000	20
Wrap around heat shrink	CWRT-75/15-480/239-UK02	757333-000	5
Knit mesh tape	EPPA-009-2000	989832-000	5
Connector	BTC555W	BAH-022040019	20
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b>1 Phase Concentric Straight Joint 4mm<sup>2</sup> - (Heat Shrink) Packs of 5</b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027300/ BAH-038081007</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-051</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Heat shrink tube	MWTM-16/5-50/S(S100)	334828-000	10
Heat shrink tube	MWTM-25/8-300/S(S50)	793712-000	5
Knit mesh tape	EPPA-009-650	087107-000	5
Connector	HEL-4102.1 Z	D40967-000	10
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b>1 Phase Concentric Service Breeches 4/35mm<sup>2</sup></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027360/ BAH-038081004</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-053</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1358-08	BAH-028000329	1
Service - service connector	PIG35	SIML-0-1629169-1	1
Neutral and/or Earth connector	BTC626T	BAH-022040020	4
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b><u>3 Phase Concentric Service Breeches 4/35mm<sup>2</sup></u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027373/ BAH-038081005</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-053</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1650	BAH-028000503	1
Service - service connector	PIG35	SIML-0-1629169-1	3
Neutral and/or Earth connector	BTC626T	BAH-022040020	4
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>1 Phase Service Concentric PILC Transition Straight 16/35mm<sup>2</sup></u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027268/ BAH-038080994</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-054 &amp; WI-NET-CAB-055</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1760	BAH-028000613	1
Phase connector	HUC35INS	BAH-031000009	1
Neutral and/or Earth connector	ANC35INS	BAH-031000010	1
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Earth Bond Kit	LVS-B-KIT13	BAH-035040013	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink Tube	CGPT-12.7/6.4-0-500mm	RPN-5069866060	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>3 Phase Concentric - PILC Transition Straight</u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027130/ BAH-038080980</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-054 &amp; WI-NET-CAB-055</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1003	BAH-028000009	1
Phase connector	HUC35INS	BAH-031000009	3
Neutral and/or Earth connector	ANC35INS	BAH-031000010	1
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Heat Shrink	CGPT-12.7/6.4-0-1000mm	RPN-5069866034	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b>3 Phase Concentric - PILC Transition Straight</b>			
SSEN Stock Code/TE Reference		027130/ BAH-038080980	
Jointing Instructions		WI-NET-CAB-054 & WI-NET-CAB-055	
Item	Description	TE Reference	Quantity
Earth Bond Kit	LVS-B-KIT13	BAH-035040013	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b>1 Phase Concentric Pot End 4-35mm<sup>2</sup> (Heat Shrink) packs of 5</b>			
SSEN Stock Code/TE Reference		027331/ BAH-038081001	
Jointing Instructions		WI-NET-CAB-056	
Item	Description	TE Reference	Quantity
Heat shrink cap	102L011/S(\$100)	004019N001	5
Heat shrink cap	102W022-R06/S(\$25)	241543N001	5
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b>3 Phase Concentric Pot End 35mm<sup>2</sup> (Heat Shrink) packs of 5</b>			
SSEN Stock Code/TE Reference		027328/ BAH-038081000	
Jointing Instructions		WI-NET-CAB-056 & WI-NET-CAB-057	
Item	Description	TE Reference	Quantity
Heat shrink cap	102L011/S(\$100)	004019N001	15
Heat shrink cap	102W033-R06/S(\$25)	843830N001	5
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b>(South Only) Triple Concentric Service Breeches</b>			
SSEN Stock Code/TE Reference		027200/ BAH-038080987	
Jointing Instructions		WI-NET-CAB-029 & WI-NET-CAB-030	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	1004-08	BAH-028000012	1
Phase connector	UST095SBS-G/INS	BAH-032020082	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	4
Sealing Putty 120g	EPN2-2	BAH-018070463	2
Earth Bond Kit	LVEB-KIT06	BAH-035030018	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	4

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b><u>(South Only) Triple Concentric Service Breeches</u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027200/ BAH-038080987</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-029 &amp; WI-NET-CAB-030</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	2
Heat Shrink Tubing	CGPT-25.4/12.7-0-500mm	RPN-5069886081	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>Triple Concentric - 3 core Wavecon breeches 185mm<sup>2</sup></u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027239/ BAH-038080991</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-031 &amp; WI-NET-CAB-032</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1009-08	BAH-028000024	1
Phase connector	UBR185INS	BAH-033000069	3
Neutral and/or Earth connector	BCNE1S	BAH-025000006	4
Sealing Putty 120g	EPN2-2	BAH-018070463	3
Earth Bond Kit	LVEB-KIT06	BAH-035030018	2
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	2
Copper Conductor 16mm BL PVC	ZSE/CC16BL	BAH-018070208	0.5
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

<b><u>4-35mm<sup>2</sup> Split Concentric to SWA</u></b>			
<b>SSEN Stock Code/TE Reference</b>		<b>027559/ BAH-038081471</b>	
<b>Jointing Instructions</b>		<b>WI-NET-CAB-058</b>	
<b>Item</b>	<b>Description</b>	<b>TE Reference</b>	<b>Quantity</b>
Joint Shell, c/w Tape, Clips, Cap	1760	BAH-028000613	1
Phase connector	HUC35INS	BAH-031000009	1
Neutral and/or Earth connector	BTC145WINS	BAH-032040065	2
Sealing Putty 120g	EPN2-2	BAH-018070463	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

3 Core Wavecon to ABC 95-185mm <sup>2</sup> Pole Termination Kit			
SSEN Stock Code/TE Reference		027562/ BAH-038081480	
Jointing Instructions		WI-NET-CAB-021	
Item	Description	TE Reference	Quantity
Phase Connector	BSMB-95/240	BSMB-95/240-34	3
Heat Shrink Tube x 200mm	MWTM-35/12-200/S	MWTM-35/12-200/S	3
CNE/E connector	HVBSTM14SO/UTB	HVBSTM14SO/UTB	1
Heat Shrink Tube x 200mm	MWTM-30/8-200/S	MWTM-30/8-200/S	2
4 Finger Breakout	502K016/S	502K016/S	1
Heat Shrink Tube x 2m	CGPT-19/9.5-0	CGPT-25.4/12.70	1
Heat shrink tube x 200mm (CNE/E)	MWTM-30/8-200/S-CS220	PCN-294356-000	1
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

4 Core Wavecon to ABC 95-185mm <sup>2</sup> Pole Termination Module			
SSEN Stock Code/TE Reference		027575/ BAH-038081482	
Jointing Instructions		WI-NET-CAB-021	
Item	Description	TE Reference	Quantity
Phase Connector	BSM-95/240	BSMB-95/240-34	1
Heat Shrink Tube x 200mm	MWTM-35/12-200/S	MWTM-35/12-200/S	1
Mastic Tape	S1085-1-300(C1000)	S1085-1-300(C1000)	3
Plain White label 3 x 6 inch	Label3x6	BAH-110400015	1

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

PME Earthing Kit *			
SSEN Stock Code/TE Reference		027401/ BAH-038081482	
Item	Description	TE Reference	Quantity
LPME		BAH-038080988	1

\* Requires Earth Rod.

### Bill of Materials for Sicame LV Joint Kits

3 Core Wavecon Service 95/185mm <sup>2</sup> with 2 x 1Ø or 1 x 3Ø			
SSEN Stock Code/Sicame Reference		027255/ MSJ185W/SSE	
Jointing Instructions		WI-NET-CAB-007 & WI-NET-CAB-009	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MS17		1
Mains service connector	NMS185/35		2
Neutral and/or Earth connector	NE20		2
Sealing Putty 120g	50085-1		3
Supplementary 20mm earth kit	5X1800ER		1

3 Core Wavecon Service Breeches 300mm <sup>2</sup> with 4 x 1Ø or 2 x 3Ø			
SSEN Stock Code/Sicame Reference		027297/ MSJ300W/SSE	
Jointing Instructions		WI-NET-CAB-007 & WI-NET-CAB-009	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MS23		1
Mains service connector	NMS300/35		2
Neutral and/or Earth connector	NE20		2
Sealing Putty 120g	50085-1		2
Supplementary 20mm earth kit	5X1800ER		1



TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

4 Core Wavecon or Districable Service Breeches 95 -185mm <sup>2</sup>			
SSEN Stock Code/Sicame Reference		027639/ MSJ185W4/DIS/SSE	
Jointing Instructions		WI-NET-CAB-008 & WI-NET-CAB-039 WI-NET-CAB-040	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MS04		1
Mains service connector	NMS185/35		2
Neutral and/or Earth connector	UMS300/25		1
Neutral and/or Earth connector	NE20		2
Sealing Putty 120g	50085-1		3
Supplementary 20mm earth kit	5X1800ER		1
Mastic Tape	Mastic20@100mm		5

4 Core Wavecon or Districable Service Breeches 300mm <sup>2</sup>			
SSEN Stock Code/Sicame Reference		027642/ MSJ300W4/DIS/SSE	
Jointing Instructions		WI-NET-CAB-008 & WI-NET-CAB-040	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MS04		1
Mains service connector	NMS300/35		2
Neutral and/or Earth connector	UMS300/25		1
Neutral and/or Earth connector	NE20		2
Sealing Putty 120g	50085-1		3
Supplementary 20mm earth kit	5X1800ER		1
Mastic Tape	Mastic20@100mm		5

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

<b>3 Core Wavecon to Districable Straight 95- 300mm<sup>2</sup></b>			
SSEN Stock Code/Sicame Reference		027655/ SMJ300W/DIS/SSE2	
Jointing Instructions		WI-NET-CAB-042	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MST10		1
Phase connector	UM300/SHR		3
Neutral and/or Earth connector	WB185N/SHR		1
Sealing Putty 120g	50085-1		2
Mastic Tape			4

<b>3 Core 95-185mm<sup>2</sup> Wavecon-Districable Breeches 300mm<sup>2</sup></b>			
SSEN Stock Code/Sicame Reference		027668/ BMJ185W/DIS/SSE	
Jointing Instructions		WI-NET-CAB-043	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MB06		1
Phase connector	WB300/SHR		3
Neutral and/or Earth connector	WB185N/SHR		1
Sealing Putty 120g	50085-1		3
Mastic Tape			2

<b>3 Core 300mm<sup>2</sup> Wavecon - Districable Breeches 300mm<sup>2</sup></b>			
SSEN Stock Code/Sicame Reference		027671/ BMJ300W/DIS/SSE	
Jointing Instructions		WI-NET-CAB-043	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MB12		1
Phase connector	WB300/SHR		3
Neutral and/or Earth connector	WB185N/SHR		1
Sealing Putty 120g	50085-1		3
Mastic Tape	Mastic 20@100mm		4

TG-NET-CAB-411	Joints and Accessories Catalogue for Cable Systems up to and including 33kV		Applies to	
			Distribution ✓	Transmission
Revision: 2.00	Classification: Public	Issue Date: November 2019	Review Date: November 2024	

PILC Service Joint 185mm <sup>2</sup>			
SSEN Stock Code/Sicame Reference		027213/ MSJ185P/SSE	
Jointing Instructions		WI-NET-CAB-044 & WI-NET-CAB-045	
Item	Description	Sicame Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MS23		1
Mains service connector	NMS185/35		2
Sealing Putty 120g	50085-1		3
Earth Bond Kit	MET185/SSE		2
Mastic Tape			4
Copper Conductor	16mm G/Y		
Copper Conductor	50mm G/Y		

PILC Mains Service Breeches 300mm <sup>2</sup>			
SSEN Stock Code/TE Reference		027172/ MSJ300P/SSE	
Jointing Instructions		WI-NET-CAB-044 & WI-NET-CAB-045	
Item	Description	TE Reference	Quantity
Joint Shell, c/w Tape, Clips, Cap	MST13		1
Mains service connector	NMS300/35		2
Sealing Putty 120g	50085-1		3
Earth Bond Kit	MET300/SSE		2
Mastic Tape			4
Copper Conductor	16mm G/Y		
Copper Conductor	50mm G/Y		