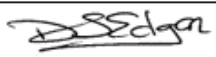


EAN DP 002

MATERIAL SPECIFICATION

EAN APPENDIX A FOR ENA ENGINEERING RECOMMENDATION
G81-PART 2

MATERIAL SPECIFICATION FOR NEW LOW VOLTAGE HOUSING
DEVELOPMENT INSTALLATIONS

Revision	Date	Changes	Author	Approval
0	28/11/2016	First Working Draft	Julie Tyrrell/Andy Billings	
1	06/12/2017	LVTMFC/MSDB/Cartridge/street lighting fuses range added/Rebranded	Julie Tyrrell/Andy Billings	

UDN APPROVED MATERIALS LIST		
Description/ Application	Specification	Comments
11kV Mains Cables		
Triplex 95mm ² single-core 11kV mains cable with stranded or solid aluminium conductor, water blocked, XLPE insulation, 35mm ² copper wire screen, water swellable tape and red PE outer sheath	BS7870 4.10	
Triplex 185mm ² single-core 11kV mains cable with stranded or solid aluminium conductor, water blocked, XLPE insulation, 35mm ² copper wire screen, water swellable tape and red PE outer sheath	BS7870 4.10	
Triplex 300mm ² single-core 11kV mains cable with stranded or solid aluminium conductor, water blocked, XLPE insulation, 35mm ² copper wire screen, water swellable tape and red PE outer sheath	BS7870 4.10	
11kV XLPE to XLPE Joints		
11kV Triplex straight - 35 to 95mm ²	ENA ER C79 & ENA ER C81 and 6910 (for resin if applicable)	Three-phase joint
11kV Triplex straight - 150 to 300mm ²	as above	Three-phase joint
11kV Triplex Branch 95 to 185mm ²	as above	Three-phase joint
11kV Triplex Branch 240 to 300mm ²	as above	Three-phase joint
11kV Triplex pot end 95 to 185mm ²	as above	Three-phase joint
11kV Triplex pot end 240 to 300mm ²	as above	Three-phase joint
11kV XLPE Terminations		
95mm ² - 185mm ² - 300mm ² Heat Shrink Terminations	ENA ER C79, BS 7888, BS 4579	Indoor
Transformers		
11000/433V, 315 kVA, Single Ratio, Distribution Transformer	ENA TS 35-1	Unit Substation
11000/433V, 500 kVA, Single Ratio, Distribution Transformer	ENA TS 35-1	Unit Substation
11000/433V, 800 kVA, Single Ratio, Distribution Transformer	ENA TS 35-1	Unit Substation
11000/433V, 1000 kVA, Single Ratio, Distribution Transformer	ENA TS 35-1	Unit Substation
Transformer Mounted Ring Main Unit to UDN Specification		
Lucy VRN2a-TFL RMU Transformer Mounted; 2 x 630Amp Ring Switches and 250Amp Circuit Breaker Bottom Entry THM0042125 Top Entry THM0042479	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Lucy VRN6a-Relay RMU Transformer Mounted; 2 x 630Amp Ring Switches and 630Amp Circuit Breaker Bottom Entry THM0042526 Top Entry THM0042766	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Schneider RN2c -TLF - RMU Transformer Mounted; 2 x 630Amp Ring Switches and 250Amp Circuit Breaker	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Schneider RN6c -VIP - RMU Transformer Mounted; 2 x 630Amp Ring Switches and 630Amp Circuit Breaker	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Ring Main Unit for HV Metered Customers to UDN Specification		
Schneider RN2c-T1 TLF 250A RMU for up to 1.5MVA	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Schneider RN2c-T2 VIP300 630A RMU up to 3.8MVA	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Lucy VRN2a-TLF 250A RMU for up to 1.5MVA Bottom Entry THM0042037 Top Entry THM0042468	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Lucy VRN6a- Micom 630A RMU for up to 3.8MVA Bottom Entry THM0042513 Top Entry THM0042786	ENA TS 41-36	Pre-wired for Actuators on both ring switches
Low Voltage Transformer Mounted Cabinets to UDN Specification		

Schneider Fuse Cabinet 4 Way 800A EEE01R4-r6	ENA TS 37-2	800A Transformer Mounted LV Distribution Cabinet. Suitable for use on transformer up to 500kVA. The cabinet comprises of: 4 outgoing 630A ways; One set of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Schneider Fuse Cabinet 5 way 1600A EEE02R4-r5	ENA TS 37-3	1600A Transformer Mounted LV Distribution Cabinet. Suitable for use on transformer up to 1000kVA. The cabinet comprises of: 5 outgoing 630A ways; Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Schneider Fuse Cabinet 7 way 1600A EEE03R4-r6	ENA TS 37-4	1600A Transformer Mounted LV Cabinet containing 7 x 630A Distribution ways. Suitable for use on 800kVA and 1000kVA Transformers Only. Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Lucy Fuse Cabinet 4 Way 800A THM0069195	ENA TS 37-2	800A Transformer Mounted LV Distribution Cabinet. Suitable for use on transformer up to 500kVA. The cabinet comprises of: 4 outgoing 630A ways; One set of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Lucy Fuse Cabinet 5 way 1600A THM0069190	ENA TS 37-3	1600A Transformer Mounted LV Distribution Cabinet. Suitable for use on transformer up to 1000kVA. The cabinet comprises of: 5 outgoing 630A ways; Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Lucy Fuse Cabinet 6 way 1600A THM0069470	ENA TS 37-4	1600A Transformer Mounted LV Cabinet containing 7 x 630A Distribution ways. Suitable for use on 800kVA and 1000kVA Transformers Only. Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Lucy Fuse Cabinet 7 way 1600A THM0069210	ENA TS 37-4	1600A Transformer Mounted LV Cabinet containing 7 x 630A Distribution ways. Suitable for use on 800kVA and 1000kVA Transformers Only. Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
Lucy Fuse Cabinet 8 way 1600A THM0069731	ENA TS 37-4	1600A Transformer Mounted LV Cabinet containing 8 x 630A Distribution ways. Suitable for use on 800kVA and 1000kVA Transformers Only. Two sets of 630A Litton Veam generator connections and Rogowski coil track fitted to fuseways
GRP Enclosures		
GRP Housing for Unit Substations	BS 4800	Refer to Substation Drawing EAN D008
GRP Enclosures to House Metering or Cut-outs	BS 4800	
LV Service Cable		
25mm ² aluminium concentric single-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	ENA TS 09-07 BS 7870 (3.10 pvc) (3.11 XLPE)	For unmetered supplies only
35mm ² aluminium concentric single-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	ENA TS 09-07 BS 7870 (3.10 pvc) (3.11 XLPE)	For single-phase 100A PME domestic supplies or unmetered supplies
35mm ² aluminium concentric three-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	ENA TS 09-07 BS 7870 (3.10 pvc) (3.11 XLPE)	For three-phase 100A PME domestic or commercial service
35mm ² aluminium single-phase concentric service cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/ earth conductor and orange LSOH sheath	BS 7870 (Part 3.12)	Single-phase 100A domestic/commercial PME supply- where the cable requires flame retardant properties
35mm ² aluminium three-phase concentric service cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/ earth conductor and orange LSOH sheath	BS 7870 (Part 3.12)	Three-phase 100A domestic/commercial PME supply- where the cable requires flame retardant properties

35mm ² aluminium single-phase split concentric service cable with solid aluminium conductor, XPLE insulation and insulated copper concentric separate neutral and bare copper earth conductor and orange LSOH sheath	BS 7870 (Part 3.12)	Single-phase 100A rising or lateral main domestic/commercial SNE Supply
35mm ² aluminium three-phase split concentric service cable with solid aluminium conductor, XPLE insulation and insulated copper concentric separate neutral and bare copper earth conductor and orange LSOH sheath	BS 7870 (Part 3.12)	Three-phase 100A rising or lateral main domestic/commercial SNE Supply

LV Mains Cables		
95mm ² aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper waveform combined neutral/ earth conductor with a black PVC sheath	BS 7870 (Part 3 - 40)	CNE 3 Core Cable PVC
185mm ² aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper waveform combined neutral/ earth conductor with a black PVC sheath	BS 7870 (Part 3 - 40)	CNE 3 Core Cable PVC
300mm ² aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper waveform combined neutral/ earth conductor with a black PVC sheath	BS 7870 (Part 3 - 40)	CNE 3 Core Cable PVC
95mm ² four-core aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper concentric separate neutral/ earth conductor with an orange LSOH sheath	BS 7870 (Part 3 - 40)	SNE 4 Core Cable LSOH; Internal Use
185mm ² four-core aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper concentric separate neutral/ earth conductor with an orange LSOH sheath	BS 7870 (Part 3 - 40)	SNE 4 Core Cable LSOH; Internal Use
300mm ² four-core aluminium waveform mains cable with solid aluminium conductor, XPLE insulation and copper concentric separate neutral/ earth conductor with an orange LSOH sheath	BS 7870 (Part 3 - 50)	SNE 4 Core Cable LSOH; Internal Use
LV Joints		
Waveform Mains service joint 70 to 300mm ²	ENA ER C79, ENA ER C81, BS 6910	Joint to be filled with 2 part polyurethane resin
Waveform to Waveform Mains Branch Joint	ENA ER C79, ENA ER C81, BS 6910	Joint to be filled with 2 part polyurethane resin
Waveform 3core to Waveform 4core Mains Transition Joint	ENA ER C79, ENA ER C81, BS 6910	Joint to be filled with 2 part polyurethane resin
Waveform Pot End	ENA ER C79, ENA ER C81	Heatshrink joint
Waveform to 185 to 300mm ² Pot End	ENA ER C79, ENA ER C81	Heatshrink joint
Waveform to Waveform Straight Joint	ENA ER C79, ENA ER C81, BS 6910	Joint to be filled with 2 part polyurethane resin
LV Link Boxes		
2- way untailed insulated link box, complete with pit frame and pavement cover, plus 3 x 400A Links	ENA ER C79, ENA ER C81, BS6910	2 part polyurethane resin (21 Litres)
4- way untailed insulated link box, complete with pit frame and pavement cover, plus 3 x 400A Links	ENA ER C79, ENA ER C81, BS6910	2 part polyurethane resin (21 Litres)
LV Splitters/Sub Mains Distribution Boards (SMDB's)		
Lucy J-Type 82mm, 1 way three-phase fuse board, max busbar rating 500A at 415V		one incoming and one outgoing way; accept cable size 95-300mm
Lucy J-Type 82mm, 2 way three-phase fuse board, max busbar rating 500A at 415V	THM0016910	one incoming and two outgoing way; accept cable size 95-300mm
Lucy J-Type 82mm, 3 way three-phase fuse board, max busbar rating 500A at 415V	THM0014014	one incoming and three outgoing way; accept cable size 95-300mm
Lucy J-Type 82mm, 4 way three-phase fuse board, max busbar rating 500A at 415V		one incoming and four outgoing way; accept cable size 95-300mm
Cut-outs		
25A PME Street Furniture 8LF Cut-out	BS 7654	PME Single-phase street lighting fuses (cut-out) for low-voltage public electricity distribution systems -25A rating for highway power supplies and street furniture
100Amp CNE house kit	BS 7656	Kit includes 100A cut-out, 1 x protection chamber, phase/PME labels and seals
100A Cutout Series 6 SP & NE	BS 7657	
100A Cutout Series 6 SP	BS 7657	Used to make up 3 phase cut-out
Protection Chamber Series 6 SP	BS 7657	protection chamber single phase
Protection Chamber Series 6 TP	BS 7657	protection chamber three phase
Solid Link	BS 7658	Red

Multi Service Distribution Boards and associated connectors		
Lucy 10 Way GPF10 Multiway Horizontal Service Distribution Boards; J Type BS88 incoming fuse; 715h x 622w x 220d THM0013667	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-185
Lucy 15Way 1J Multiway Service Distribution Boards 1000hx503wx250d THM0000500/501 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 15Way 2J Multiway Service Distribution Boards 1000hx710wx250d THM0000502/1503 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 24Way J1 Multiway Service Distribution Boards 1000h x 642w x 250d THM0001501/1504 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 24Way J2 Multiway Service Distribution Boards 1000h x 849w x 250d THM0001509/1510 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 30Way 1J Multiway Service Distribution Boards 1000h x 735w x 250d THM0001500/1505 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 30Way J2 Multiway Service Distribution Boards 1000h x 942w x 250d THM0001506/1507 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Lucy 45Way J1 Multiway Service Distribution Boards 1000h x 967w x 250d THM0001502/1508 RHS/LHS	BS EN 60438	For PME supplies with removable link to convert to SNE with additional 4 core Kit; Accepts incoming Cables 95-300
Schneider MODE Range MK11 Distribution Boards	MODE MKII	1J/2J Options with range of service ways
Bemco 15 Way Distribution Board with incoming isolation cut out 1385h x 560w x 200d	SDB15 (5 ways per phase)	Specify 300Amp incoming cut out for 95/185mm cable Specify 500Amp incoming cut out for 300mm cable
Bemco 30 Way Distribution Board with incoming isolation cut out 1385h x 800w x 200d	SDB30 (10 ways per phase)	Specify 300Amp incoming cut out for 95/185mm cable Specify 500Amp incoming cut out for 300mm cable
Bemco 60 Way Distribution Board with incoming isolation cut out 1690h x 800w x 200d	SDB60 (20 ways per phase)	Specify 300Amp incoming cut out for 95/185mm cable Specify 500Amp incoming cut out for 300mm cable
82mm Industrial fuse-links for use in 200A/400A Cut-outs and Link Boxes		
100A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
160A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
200A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
250A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
355A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
400A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
315A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
400A BS 88-2:2007 Table 905 (82mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
92mm Industrial fuse links for use in Transformer Mounted Fuse Cabinets; MSDB's and 600A Cut-outs		
100A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Open Tag
160A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
200A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Open Tag
250A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag

315A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Open Tag
355A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
400A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Open Tag
500A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 82mm centre For use on Radial Network and Services Close Tag
630A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 92mm centre For use on Radial Network and Services
800A BS-2:2007 Table 905 (92mm Centres)	BS88 Sec 3 BS1361	Maximum Power Dissipation Dimensions to BS 88-5: 1988 Table 2 92mm centre For use on Radial Network and Services
415 Volt Cartridge Fuses for 100Amp Cut-outs		
60A BS1361 415V (4.5W) 33kA 57mm x 30.2mm	60LR85	415V House Service Cut-out fuse
80A BS1361 415V (4.5W) 33kA 57mm x 30.2mm	80LR85	415V House Service Cut-out fuse
100A BS1361 415V (4.5W) 33kA 57mm x 30.2mm	100LR85	415V House Service Cut-out fuse
Solid Red Link		
Solid Red Link	BS88-1	240V Solid Red Link for House Services
230/240 Volt Street Lighting Tagged Fuse		
6A 240V 20kA Fuse Barrel 22mm x 12mm	BS88-1	240V Street Lighting Cut-out fuse
25A 240V 20kA Fuse Barrel 22mm x 12mm	BS88-1	240V Street Lighting Cut-out fuse
Meter Boards, Boxes and Accessories		
Single Phase Internal Meter Board 350h x 350w x 12d		SP&N House services internal meter board 12mm - Fire Rated
Three Phase Internal Meter Board x 460w x 12d	650h	Three phase 100A supplies 12mm meter board for mounting electrical service equipment such as cut-outs Fired Rated
Single Phase External Meter Box, including Meter Board		Flush or Surface Mounted
Three Phase External Meter Box, including Meter Board		Flush or Surface Mounted
Miscellaneous		
Rubber Fluted Switchboard Mat Tested to 1500V to BS 921/1976 (2000mm x 914mm x 9.5mm thick)		Thick Fluted 9.5mm Internal Substations Only
Log book holder and log book		Galvanised or Plastic Box
Substation Name/Number Label		Rigid - Includes 'Utility Distribution Networks', Danger of Death sign and SF6 sign, pre-drilled
Substation Name/Number Label - Set of 4No fixing bolts		4No - M6 x 25mm BZP panhead bolts, Nylock nuts & penny washers
Substation 'Danger of Death' Label		150 x 200 Rigid
Engraved Destination labels for the Ring Main Unit		150 x 50 'Black Letters on White Background'
Engraved Destination labels for the LV Board or Cabinet		75 x 50 'Black Letters on White Background'
Owned and Operated Label		Self Adhesive
PME Cut Out Label		Self Adhesive
SNE Cut Out Label		Self Adhesive
Substation Door Lock		ABUS SS50P5KA
System Lock		ABUS LN4KA
Dual Locking Device for Substation Doors		Tayhope Dual Multi-Latch
Lock Box for Inside Substation		
Nortroll Earth Passage Indicator		Cabletroll 2310 ?
Solid Core Balance CT 60/1A for Nortroll EFI		
Earthing		
Copper Bond Extensible Earth Rod 1200mm x 16mm diameter	ENA TS 43-94 BS EN 50164-2 BS 7430	
Couplers, Driving Stud, Connectors & Clamps	ENA TS 43-94 BS EN 50164-2 BS 7430	
Bonding 16mm PVC covered stranded copper cable	Green/Yellow	(BS 6004)
Bonding 35mm PVC covered stranded copper cable	Green/Yellow	(BS 6004)
Bonding 70mm PVC covered stranded copper cable	Green/Yellow	(BS 6004)
Bonding 120mm PVC covered stranded copper cable	Green/Yellow	(BS 6004)
Bare Stranded 70mm Hard Drawn Copper		BS 7884 - C101(C100/C102) BS EN 13601 CW004A (CW003A/CW005A)
Bare Stranded 120mm Hard Drawn Copper		BS 7884 - C101(C100/C102) BS EN 13601 CW004A (CW003A/CW005A)

Civils		
LV and HV Cable Warning Marker Tape	ENA TS 12-23	Marked with Utility Distribution Networks
32mm coilable service duct (100m)	ENA TS 12-24 BSEN12613	Used for single-phase public lighting and domestic service cables
50mm coilable service duct (50m)	ENA TS 12-24 BSEN12613	Used for three-phase 100A service cables
125mm INTERNAL Twinwall rigiduct (6m length)	ENA TS 12-24 BSEN12613	LV, 11kV and 22kV mains cables
150mm INTERNAL Twinwall rigiduct (6m length)	ENA TS 12-24 BSEN12613	LV, 11kV and 22kV mains cables
Hockey Stick- Black (38 x 1700 mm)		For installation of service cables into recessed meter box

Preferred Suppliers:	
Alcomet Ltd Unit 5 Gibbons Industrial Park Dudley Road Kingswinford West Midlands DY6 8XF	Earthing Materials
BEMCO British Electrical & Manufacturing Company 262 Glasgow Road Rutherglen Glasgow G73 1SR	SDB range of MSDB with incoming isolation cut-outs
Cable Services Rhosddu Industrial Estate Rhosrobin Wrexham LL11 4YZ	HV & LV Cables, HV Terminations, HV & LV Joints, Cut Outs, Link Boxes, Fuses, HV & LV Cable Warning Marker Tape, Meter Boxes, Labels, Rubber Mat, GRP Grating, Earthing Materials, Substation GRP Doors, Ducting, Rayflate Duct Seal, CSD Rise Duct Seal
CSD Sealing Systems Cramlington NE23 1WQ	Duct Sealing
Envico Engineering Ltd Nantffyn Road (South) Enterprise Park Llansamlet Swansea SA7 9RG	GRP Substation, Roadside Pillars
ETS Cable Components Units 4 & 5 Red Lion Business Park Red Lion Road Tolworth Surrey KT6 7QP	HV Terminations, Earthing Materials, Rayflate Duct Seal, FiloForm Duct Seal
Fibregrate Composite Structures Ltd Wass Way Durham Lane Industrial Park Eaglescliffe Stockton on Tees TS16 0RG	GRP Trench Covers
Filoform UK Ltd Reading Berks RG7 1PQ	Duct Sealing
Henley WT Church Manorway Writh Kent DA8 1EX	Residential Solid Red Links
Joining Technologies Ltd Woking Business Park Albert Drive	HV Terminations, Earthing Materials, Rayflate Duct Seal
Lawson Unit 1 Meadowfield Newcastle upon Tyne NE20 9SW	Residential Cut-out fuses and Cartridge Fuses
Lucy Electric UK Limited Howland Road Thame Oxfordshire OX9 3UJ	Unit Substations, Ring Main Units, HV Metering Units, Transformer LV Pillars, Multi Service Distribution Boards (MSDB's), Sub Main Distribution Boards (SMDB's), Cut Outs
MAP (UK) Unit 12 Lakes Farm Rayne, Braintree, Essex, CM77 6TE	Abus Substation Door and System Locks
MCL Utility (Industrial Enclosures) Ltd Units 3 & 4 Monarch Works Elswick Road Fenton Industrial Estate Stoke on Trent ST4 2SH	GRP Substation
Morgan Marine Ltd Llandybie Ammanford Camarthenshire SA18 3GY	GRP Substation, Roadside Pillars

Nortroll Wellingborough Innovation Centre Tresham Institute Church Street Wellingborough Northamptonshire NN8 4PD	Earth Passage Indicator
Plaspipes Ltd Vermeulen's Heathrow Horton Road, Stanwell Moor Middlesex TW9 6AE	Ducting
Plas Tec (Southern) Ltd 102 - 120A North Lane Aldershot Hampshire GU12 4QN	Ducting
Schneider Electric Ltd 123 Jack Lane Leeds LS10 1BS	Unit Substations, Ring Main Units, HV Metering Units, Transformer LV Pillars, Metering Service Termination Cubicles, Multi Service Distribution Boards (MSDB's), Sub Main Distribution Boards (SMDB's)
Stormking Plastics Amington Point, Sandy Way Amington Industrial Estate Tamworth B77 4ED	GRP Substation Roof, GRP Substation Doors
Sunray Engineering Ltd Kingsnorth Industrial Estate Wootton Road Ashford Kent TN23 6LL	Steel Substation Doors, and Louvres
Tayhope East Craibstone Street Aberdeen AB11 6YQ	Dual Multi-Latch for Substation Doors
Wolseley UK Limited T/A Utility Power Systems Carrwood Road Chesterfield Trading Estate Chesterfield Derbyshire S41 9QB	HV & LV Cables, HV & LV Joints, Cut Outs, Link Boxes, Fuses, HV & LV Cable Warning Marker Tape, Meter Boxes, Labels, Rubber Mat, GRP Grating, Earthing Materials, Substation GRP Doors, Ducting