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ENGINEERING APPROVAL STANDARD

EAS 00-0002

APPROVED EQUIPMENT LIST - CABLES AND JOINTS

Network(s): EPN, LPN, SPN

Summary: This equipment approval standard details the cables, joints and associated

accessories that are approved for use in UK Power Networks. Materials and equipment that are not listed in this document will need to be approved by UK Power Networks Asset Management before they are used on the Network.

Owner: Paul Williams Date: 04/11/2014

Approved By: Steve Mockford Approved Date: 18/11/2014

This document forms part of the Company's Integrated Business System and its requirements are mandatory throughout UK Power Networks. Departure from these requirements may only be taken with the written approval of UK Power Networks' Director of Asset Management. If you have any queries about this document please contact the author or owner of the current issue.

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Revision Record

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Date	04/11/2014	Author	Paul Williams				
Why has the document underground cable a	nent changed – Updated follow and joint suppliers.	wing changes to the su	uppliers for a number of				
LV Service Straight mechanical connecte	and Branch Joints – new range ors.	of smaller more comp	pact joints with different				
Plastic Cable Ducts components.	Plastic Cable Ducts – New supplier for small LV service ducts (no changes to the actual kit components.						
	 Section 5.11 and 5.12 UKPN ing numbers and approved sup 						
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Updated Version.

Approved Equipment List - Cables and Joints

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1 Introduction

This Approval document details the approved range of cables, joints and associated items used to construct distribution assets in UK Power Networks (UKPN).

Only equipment approved by UKPN shall be used to construct electrical substations and services.

This document will be updated as required when new equipment is approved by UK Power Networks Asset Management.

Further information will be added and this document will be expanded as requirements for further information on the range of equipment used is identified.

2 Scope

The document covers all underground cables, Joints and associated assets.

3 Details

Each table contains details of specific cable, plant or drawing types. Each table will detail the requirements specific to each network (EPN, LPN or SPN). UKPN has taken the opportunity to harmonise these requirements where applicable.

Where the information is available the tables provide the following information:

- Description/Application;
- Network(s) Approved:
- Comments:
- Manufacturer's model/type reference or drawing number;
- Approved supplier;
- UKPN Stores Code.

4 Actions Required

This document should be issued to both internal and external staff who require details of UK PNs approved plant, equipment and cables.

5 Material and Equipment Type

The materials and equipment listed in the following tables are the currently the only ones approved for use in UKPN.

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5.1 LV Service Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
4mm² Copper Service Cable concentric single-phase service cable with stranded copper conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	All	For single phase 25A PME Street furniture service use only. New installations limited to 2 metres in length	7182190		05860K
25mm² Aluminium concentric single-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	All	For single phase 25A PME Street furniture service use only.	7222001		01284D
35mm² Aluminium concentric single-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	All	For single phase 100A PME domestic or commercial service	7222002		05886L
35mm² Aluminium concentric three-phase service cable with solid aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black PVC sheath	All	For three phase 100A PME domestic or commercial service	7222005		05903U
35mm² Aluminium split concentric cable with stranded copper conductor, XLPE insulation and insulated copper concentric separate neutral and bare copper earth conductors and black PVC sheath	All	For single phase 100A SNE domestic or commercial service	7222007	Cabelte, Rua Do Espirito Santo, 4410-420 Arcozelo, Vn Gaia, Portugal	05887V
35mm² Aluminium single-phase concentric service cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black LSOH sheath	All	Single-phase 100A Domestic / Commercial PME Supply - where the cable requires flame retardant properties	7222016		05550D
35mm² Aluminium three-phase concentric service cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor and black LSOH sheath	All	Three-phase 100A Domestic / Commercial PME Supply - where the cable requires flame retardant properties	7222017		05552X
35mm² Aluminium single-phase split concentric service cable with solid aluminium conductor, XLPE insulation and insulated copper concentric separate neutral and bare copper earth conductor and black LSOH sheath	All	Single-phase 100A rising or lateral main Domestic / Commercial SNE Supply	7222018		05553H
35mm² Aluminium three-phase split concentric service cable with solid aluminium conductor, XLPE insulation and insulated copper concentric separate neutral and bare copper earth conductor and black LSOH sheath	All	Three-phase 100A rising or lateral main Domestic / Commercial SNE Supply	7222019		05554S

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5.2 LV Mains Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
95mm² Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper waveform combined neutral/earth conductor with a black PVC sheath	All		VLBA3J95BA0ABK		05577P
185mm² Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper waveform combined neutral/earth conductor with a black PVC sheath	All		VLBA3L18BA0ABK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	05579J
300mm² Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper waveform combined neutral/earth conductor with a black PVC sheath	All		VLBA3L30BA0ABK		05588H
95mm² Aluminium Waveform mains cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor with an black LSOH sheath	All	PME Mains Cable for use where flame retardant properties are required	N/A		05594C
185mm² Aluminium Waveform mains cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor with an black LSOH sheath	All	PME Mains Cable for use where flame retardant properties are required	N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	05595M
300mm² Aluminium Waveform mains cable with stranded aluminium conductor, XLPE insulation and copper concentric combined neutral/earth conductor with an black LSOH sheath	All	PME Mains Cable for use where flame retardant properties are required	N/A		05596W
95mm² Four core Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper concentric earth conductor with an black LSOH sheath	All	SNE LV Mains Cable for use as rising and lateral main within a building	N/A		05555C
185mm² Four core Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper concentric earth conductor with an black LSOH sheath	All	SNE LV Mains Cable for use as rising and lateral main within a building	N/A		05556M
300mm² Four core Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper concentric earth conductor with an black LSOH sheath	All	SNE LV Mains Cable for use as rising and lateral main within a building	N/A		05557W

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5.3 LV Transformer Tail Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
185mm² Aluminium Waveform mains cable with solid aluminium conductor, XLPE insulation and copper waveform combined neutral/earth conductor with a black PVC sheath	EPN Only	This type of cable is bunched to form a single core cable	VLBA3L18BA0ABK		05579J
630mm² Copper single core cable with round stranded copper conductor, Brown XLPE insulation, 50mm² aluminium wire screen with a Black PVC sheath	EPN Only	Single core armoured cable	N/A		N/A
480mm² Aluminium single core cable with sector shaped solid aluminium conductor, Brown XLPE insulation with a black PVC sheath	LPN Only	Single core un-armoured cable	V78891L48DS	Prysmian Cables & Systems Limited, Chickenhall Lane,	05179D
600mm² Aluminium single core cable with sector shaped solid aluminium conductor, Brown XLPE insulation with a black PVC sheath	LPN Only	Single core un-armoured cable	V78891L60DS	Bishopstoke, Eastleigh SO50 6YU	05180Y
600mm² Aluminium single core cable with sectoral solid aluminium conductor, XLPE insulation, 50mm² aluminium wire screen with a Black PVC sheath	SPN Only	Single core armoured cable	V54671L60DS		05880C
740mm² Aluminium single core cable with sectoral solid aluminium conductor, XLPE insulation, 50mm² aluminium wire screen with a Black PVC sheath	SPN Only	Single core armoured cable	V54671L74DS		05881M

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5.4 11kV Mains Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code												
			3x1x95PEAL11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA													
Triplex 95mm² Single core 11kV mains cable with stranded or solid aluminium conductor, XLPE insulation, 35mm² Copper wire screen and red PE outer sheath	All		VKBXMX95ZCECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06000B												
			CIMT/095/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal													
			3x1x185PEAL11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA													
Triplex 185mm² Single core 11kV mains cable with stranded or solid aluminium conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All		VKBXML18ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06001L												
			CIMT/097/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal													
			3x1x185PECU11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA													
Triplex 185mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All	All	All	All	All	All	All	All	All	All	All	All	All		VKBDMD18ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	05145N
			CIMT/1524/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal													
			3x1x300MDPE11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA													
Triplex 300mm² Single core 11kV mains cable with stranded or solid aluminium conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All		VKBXMY30ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06002V												
			CIMT/098/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal													

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Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code						
			3x1x300PECU11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
Triplex 300mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All		VKBDMD30ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06003F						
			CIMT/946/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			95LSOHAL11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
95mm² Single core 11kV mains cable with stranded or solid aluminium conductor, XLPE insulation, 35mm² Copper wire screen and red LSOH outer sheath	All	For Use in Cable Basements, Buildings and Tunnels	N/A	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06004Q						
			CIMT/1011/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			N/A	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
185mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	All	All	All	All	All	All	All	For Use in Cable Basements, Buildings and Tunnels	N/A	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06005A
			CIMT/1012/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			300LSOHAL11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
300mm² Single core 11kV mains cable with stranded or solid aluminium conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	All	For Use in Cable Basements, Buildings and Tunnels	N/A	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06006K						
			CIMT/1013/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							

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Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code								
			400PE11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA									
400mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All		VKBD1D40ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06020T								
			CIMT/945/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal									
			500PE11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA									
500mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All		VKBD1D50ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06021D								
			CIMT/1009/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal									
			630PE11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA									
630mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All	All	All	All	All	All	All	All	All		VKBD1D63ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06022N
			CIMT/783/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal									
			800PE11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA									
800mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red PE outer sheath	All	For Use in Cable Basements, Buildings and Tunnels	VKBD1D80ZEECRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06023X								
			CIMT/1010/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal									

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Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code						
			400LSOH11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
400mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	All	For Use in Cable Basements, Buildings and Tunnels	VKBD1D40HE0BRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06024H						
			CIMT/945/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			500LSOH11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
500mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and	All	All For Use in Cable Basements, Buildings and Tunnels	VKBD1D50HE0BRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06025S					
			CIMT/1009/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			630LSOH11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
630mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	All	All	All	All	All	All	All	For Use in Cable Basements, Buildings and Tunnels	VKBD1D63HE0BRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06026C
			CIMT/783/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							
			800LSOH11KV	Nexans Logistics Ltd, Nexans House, Chesney World, Bleak Hall, Milton Keynes MK6 1LA							
800mm² Single core 11kV mains cable with stranded copper conductor, XLPE insulation, 70mm² Copper wire screen and red LSOH outer sheath	All	For Use in Cable Basements, Buildings and Tunnels	VKBD1D80HE0BRD	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06027M						
			CIMT/1010/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal							

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5.5 33kV Mains Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
			N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	
300mm² Single core 33kV mains cable with stranded aluminium conductor, XLPE insulation (bonded screen) and 50mm²	All		VKBG1S30HDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06115R
Copper wire screen and black MDPE outer sheath.			CIMT/605/BS/03-3	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	
			N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG	
		AII	N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	
500mm² Single core 33kV mains cable with stranded aluminium conductor, XLPE insulation (bonded screen) and 50mm²	All		VKBG1S30HDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06116B
Copper wire screen and black MDPE outer sheath.			CIMT/097/BS/00-4	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	
			N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG	
			N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	
630mm² Single core 33kV mains cable with stranded aluminium conductor, XLPE insulation (bonded screen) and 50mm² Copper wire screen and black MDPE outer sheath.	All		VKBG1S63HDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06117L
			CIMT/603/BS/01-3	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	
			N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG	

When any of the above cables are used in cable basements, buildings or Tunnels the red outer MDPE Sheath shall be replaced with a red LSOH Sheath.

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Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code					
			N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA						
400mm² Single core 33kV mains cable with stranded copper conductor, XLPE insulation (bonded screen) and 50mm²	All		VKBG1D40ZDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06102D					
Copper wire screen and black MDPE outer sheath.			N/A	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal						
			N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG						
	All	N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA							
630mm ² Single core 33kV mains cable with stranded copper conductor, XLPE insulation (bonded screen) and 50mm ²			VKBG1D63HDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06104X					
Copper wire screen and black MDPE outer sheath.			CIMT/BS/391/02-3	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal						
			N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG						
			N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA						
800mm² Single core 33kV mains cable with stranded copper conductor, XLPE insulation (bonded screen) and 50mm² Copper wire screen and black MDPE outer sheath MDPE outer sheath.	All		VKBG1D80HDECBK	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	06105H					
			CIMT/BS/602/03-3	Quintas & Quintas, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal						
									N/A	Synergy Cables (via Premier Cables), 83 Leicester Road, Luton, Bedfordshire, LU4 8SG

When any of the above cables are used in cable basements, buildings or Tunnels the red outer MDPE Sheath shall be replaced with a red LSOH Sheath.

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5.6 132kV Cables for Direct Burial or Ducted Systems

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
300mm² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All	C		Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06062X
laminate moisture barrier and black HDPE outer sheath.			C93248	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06078Q
630mm² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All		CD-166-13-2 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06063H
laminate moisture barrier and black HDPE outer sheath.			C94250	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06079A
1000mm ² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm ² aluminium wire screen, aluminium foil	All		CD-166-13-3 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06064S
laminate moisture barrier and black HDPE outer sheath.	All		C93252	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06080V
1200mm ² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm ² aluminium wire screen, aluminium foil	All		CD-166-13-4 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06065C
laminate moisture barrier and black HDPE outer sheath.			C93254	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06081F
1600mm ² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm ² aluminium wire screen, aluminium foil	All		CD-166-13-5 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06066M
laminate moisture barrier and black HDPE outer sheath.			C93258	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06082Q
1600mm² Single core 132kV cable with stranded Milliken aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All		CD-166-13-6 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06067W
laminate moisture barrier and black HDPE outer sheath.			C93259	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06083A

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5.7 132kV Cables for Tunnel and installed in Air Systems

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
300mm² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All	C		Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06068G
laminate moisture barrier and black LSOH outer sheath.			C93261	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06084K
630mm² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All		CD-166-13-8 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06069R
laminate moisture barrier and black LSOH outer sheath.			C94263	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06085U
1000mm ² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm ² aluminium wire screen, aluminium foil	All		CD-166-13-9 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06070M
laminate moisture barrier and black LSOH outer sheath.	All		C93265	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06086E
1200mm ² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm ² aluminium wire screen, aluminium foil	All		CD-166-13-10 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06071W
laminate moisture barrier and black LSOH outer sheath.			C93267	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06087P
1600mm² Single core 132kV cable with stranded aluminium conductor, XLPE insulation (bonded screen), 210mm² aluminium wire screen, aluminium foil	All		CD-166-13-11 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06072G
laminate moisture barrier and black LSOH outer sheath.			C93270	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06088Y
1600mm² Single core 132kV cable with stranded Milliken aluminium conductor, XLPE insulation (bonded screen), 210mm²	All		CD-166-13-12 Rev.01	Demirer Kablo Tesisleri A.S, Barbaros Bulvari Preveze Han No.59, 34353 Besiktas, Istanbul, Turkey	06073R
aluminium wire screen, aluminium foil laminate moisture barrier and black LSOH outer sheath.			C93271	Solidal Condutores Electricos SA, PO Box 18, Lugar do Paco - Gandra, 4741-909 Esposende, Portugal	06089J

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5.8 Multicore Pilot and Multi-pair Telephone Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
4 core 2.5mm² copper conductor multicore pilot cable with stranded copper conductor, XLPE insulation, extruded bedding, steel wire armour and with a black PVC sheath	All	Manufactured to BS 7870 - 8.3	N/A		05971L
7 core 2.5mm² copper conductor multicore pilot cable with stranded copper conductor, XLPE insulation, extruded bedding, steel wire armour and with a black PVC sheath	All	Manufactured to BS 7870 - 8.3	N/A		05972V
12 core 2.5mm² copper conductor multicore pilot cable with stranded copper conductor, XLPE insulation, extruded bedding, steel wire armour and with a black PVC sheath	All	Manufactured to BS 7870 - 8.3	N/A		05973F
19 core 2.5mm² copper conductor multicore pilot cable with stranded copper conductor, XLPE insulation, extruded bedding, steel wire armour and with a black PVC sheath	All	Manufactured to BS 7870 - 8.3	N/A		05974Q
27 core 2.5mm² copper conductor multicore pilot cable with stranded copper conductor, XLPE insulation, extruded bedding, steel wire armour and with a black PVC sheath	All	Manufactured to BS 7870 - 8.3	N/A	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	05975A
7 pair 0.8mm² copper conductor multipair cable with solid copper conductor, PE insulation, extruded PE bedding, steel wire armouring and black PVC Sheath	All	Manufactured to BS7870 - 8.2 - Table 2 where the induced voltage does not exceed 15kV	N/A		05961C
19 pair 0.8mm² copper conductor multipair jelly filled cable with solid copper conductor, PE insulation, extruded PE bedding, steel wire armouring and black PVC Sheath	All	Manufactured to BS7870 - 8.2 - Table 2 where the induced voltage does not exceed 15kV	N/A		05527V
37 pair 0.8mm² copper conductor multipair jelly filled cable with solid copper conductor, PE insulation, extruded PE bedding, steel wire armouring and black PVC Sheath	All	Manufactured to BS7870 - 8.2 - Table 2 where the induced voltage does not exceed 15kV	N/A		N/A
61 pair 0.8mm² copper conductor multipair jelly filled cable with solid copper conductor, PE insulation, extruded PE bedding, steel wire armouring and black PVC Sheath	All	Manufactured to BS7870 - 8.2 - Table 2 where the induced voltage does not exceed 15kV	N/A		N/A

When any of the above cables are used in cable basements, buildings or Tunnels the black outer PVC sheath shall be replaced with a black LSOH Sheath.

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5.9 Fibre Optic Pilot and Telecoms Duct Cables

Description/Application	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
24 fibre, 6 element duct cable with 24 single mode G652D fibres and a black polyethylene outer sheath	All	Supplied in 2, 4 and 6 km lengths	T6000199-01	Prysmian Cables & Systems Limited, Chickenhall Lane,	01203Y
24 fibre, 6 element duct cable with 12 single mode G652D fibres, 12 multimode 50/125 fibres and a black polyethylene outer sheath h	All	Supplied in 2 and 4 km lengths	T6000200-01	Bishopstoke, Eastleigh SO50 6YU	01204J

5.10 Multi-pair Telephone Cable Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
4 and 7 Pair 0.8mm Multipair Cable Joint - complete with connectors	All	Joint to be filled with standard UKPN specification JEM resin	BK2/UPN/ TELECOM/1		04500F	1.8
19 Pair 0.8mm Multipair Cable Joint - complete with connectors	All	Joint to be filled with standard UKPN specification JEM resin	BK3/UPN/ TELECOM/1	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	04502A	1.8
37 Pair 0.8mm Multipair Cable Joint - complete with connectors	All	Joint to be filled with standard UKPN specification JEM resin	BK4/UPN/ TELECOM/1		04503K	3.5

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5.11 LV Service Straight Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Single Phase CNE 4mm² to 4mm²	All	Joint to be filled with standard UKPN specification JEM resin	SS1/UPN		01709V	0.4
Single Phase CNE 4mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SS2/UPN		02704B	0.7
Single Phase Transition 4mm² to 4mm²	All	Joint to be filled with standard UKPN specification JEM resin	SS3/UPN	Sicame Electrical Developments Ltd Riverholme Works	01708L	1.8
Single Phase Transition 16mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SS4/UPN	Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02709A	1.8
Three Phase CNE 16mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SS5/UPN		02710V	3.4
Three Phase Transition 16mm² to 35mm²						

5.12 LV Service Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Single Phase CNE 4mm² to 4mm²	All	Joint to be filled with standard UKPN specification JEM resin	SB1/UPN		01707B	1.6
Single Phase CNE 4mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SB2/UPN		02708Q	1.6
Single Phase Transition 4mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SB3/UPN	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02705L	3.4
Three Phase CNE 16mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SB5/UPN		02706V*	3.4
Three Phase Transition 16mm² to 35mm²	All	Joint to be filled with standard UKPN specification JEM resin	SB6/UPN		02707F*	5.1

^{*}These kits only contain a single phase connector for additional phase connections use Service Module (MB21/UPN) UKPN Stores Code: 01706R

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5.13 LV Service Cable Pot End Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single Phase CNE 4mm² to 35mm²	All	Heatshrink Joint	BAH-038081484		02790Q
Single Phase PILC 4mm² to 35mm²	All	Heatshrink Joint	BAH-038081486	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02793U
Three Phase CNE 16mm² to 35mm²	All	Heatshrink Joint	BAH-038081485		02791A
Three Phase PILC 16mm² to 35mm²	All	Heatshrink Joint	BAH-038081487		02794E

5.14 LV Mains Service Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Waveform Mains Service Joint 70 to 185mm²	All	Joint to be filled with standard UKPN specification JEM resin	MSJ185W/UPN		02741G	7.2
Waveform Mains Service Joint 240 to 300mm²	All	Joint to be filled with standard UKPN specification JEM resin	MSJ300W/UPN	Sicame Electrical Developments Ltd Riverholme Works	02742R	8.8
PILC Mains Service Joint 95 to 185mm²	All	Joint to be filled with standard UKPN specification JEM resin	MSJ185P/UPN	Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02745V	11
PILC Mains Service Joint 240 to 300mm ²	All	Joint to be filled with standard UKPN specification JEM resin	MSJ300P/UPN		02746F	16.5
		of the kits in the table a for additional phase con				
70 to 185mm² Mains Service Connector Module	All	Contains 1 phase connector	MSM1/UPN		02772S	N/A
240 to 300mm² Mains Service Connector Module	All	Contains 1 phase connector	MSM2/UPN	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02773C	N/A
Double deferred mains Service Module	All	Contains 1 phase connector for use with the above connectors	DSM2/UPN		027769C	N/A

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5.15 LV Mains Pot End Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Waveform 70 to 120mm ²	All	Heatshrink Joint	BAH-038081488		02795P
Waveform 185 to 300mm ²	All	Heatshrink Joint	BAH-0380814849	Tyco Electronics Ltd. Freebournes Road, Witham	02796Y
PILC 50 to 95mm²	All	Heatshrink Joint	BAH-038081490	Essex, CM8 3AH www.tycoelectronics.com	02797J
PILC 120 to 300mm ²	All	Heatshrink Joint	BAH-038081491		02798T

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5.16 LV Mains Straight Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Waveform to Waveform 35 to 95mm²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ95W/UPN		02721P	8.4
Waveform to Waveform 120 to 185mm²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ185W/UPN		02722Y	11.7
Waveform to Waveform 240 to 300mm²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ300W/UPN	Sicame Electrical Developments Ltd Riverholme Works	02723J	14.8
Waveform to PILC Transition 35 to 95mm²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ95T/UPN	Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02726N	9.2
Waveform to PILC Transition 120 to 185mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ185T/UPN		02727X	12.8
Waveform to PILC Transition 240 to 300mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMJ300T/UPN		02728H	18
	Note: To inc	clude a service in any o	f the above joints ref	er to the table below:		
95mm² Straight Connector Service Module	All	Contains 1 phase connector	SMJ1SM/UPN		02778B	N/A
185mm² Straight Connector Service Module	All	Contains 1 phase connector	SMJ2SM/UPN	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02779L	N/A
300mm ² Straight Connector Service Module	All	Contains 1 phase connector for use with the above connectors	SMJ3SM/UPN		02780G	N/A

5.17 LV Mains Pole Terminations

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Waveform 70 to 95mm² - Direct Connection to O/H Line	EPN and SPN	Heatshrink Termination	BAH-038081492		02805T
Waveform 120 to 185mm² - Direct Connection to O/H Line	EPN and SPN	Heatshrink Termination	BAH-038081493	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH	02806D
70-95mm² Waveform Pole Termination (PC400)	EPN and SPN	Heatshrink Termination	BAH-038081494	www.tycoelectronics.com	02807N
120-185mm² Waveform Pole Termination (PC400)	EPN and SPN	Heatshrink Termination	BAH-038081495		02808X

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5.18 LV Mains Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Waveform to Waveform 70 to 95mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ95W/UPN		02750F	9.2
Waveform to Waveform 120 to 185mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ185W/UPN		02751Q	16.7
Waveform to Waveform 240 to 300mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ300W/UPN	Sicame Electrical Developments Ltd Riverholme Works	01752A	22.8
Waveform to PILC Transition 35 to 95mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ95T/UPN	Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02756P	10.5
Waveform to PILC Transition 120 to 185mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ185T/UPN		02757Y	20.2
Waveform to PILC Transition 240 to 300mm²	All	Joint to be filled with standard UKPN specification JEM resin	BMJ300T/UPN		02758J	31.8

5.19 Additional LV Joint Materials and Specialist Tools

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
35mm² Green & Yellow Earth Wire	All	For transition joint CNE bonds	6491X	Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire	05864Y
35mm² Green & Yellow Earth Wire	All	For transition joint CNE bonds	6491X	LE67 1LA	05866T
Single-Phase 100A PILC Cable Consumer Earth Bond	All	For providing an earth connection off of a lead sheathed cable	CE1/UPN		01761E
Three-Phase 100A PILC Cable Consumer Earth Bond	All	For providing an earth connection off of a lead sheathed cable	CE2/UPN		01762E
95mm PILC Mechanical Earth Bond Kit	All	For providing an earth connection off of a lead sheathed cable	ME95/UPN		02775W
185mm PILC Mechanical Earth Bond Kit	All	For providing an earth connection off of a lead sheathed cable	ME185/UPN	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02776G
300mm PILC Mechanical Earth Bond Kit	All	For providing an earth connection off of a lead sheathed cable	ME300/UPN		02777R
95mm Waveform 4 finger Breakout	All	Used to seal Waveform Cable Crutches	SKE 4F/3+4		02333M
185 and 300mm Waveform 4 finger Breakout	All	Used to seal Waveform Cable Crutches	SKE 4F/5		02334W

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Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
95mm LVM1 Composite Connector + CR Sheet Patch	All	Extra Length LVM Connector for use for Straight/Branch Joints	LVM1/C/UPN		02811N
185mm LVM1 Composite Connector + CR Sheet Patch	All	Extra Length LVM Connector for use for Straight/Branch Joints	LVM2/C/UPN		02812X
300mm LVM1 Composite Connector + CR Sheet Patch	All	Extra Length LVM Connector for use for Straight/Branch Joints	LVM3/C/UPN		02813H
95mm LVM1 Connector + Dip Moulded Shroud	All	Loose LVM Connector and Dip Moulded Shroud	LVM1/UPN		02821W
185mm LVM1 Connector + Dip Moulded Shroud	All	Loose LVM Connector and Dip Moulded Shroud	LVM2/UPN		02822G
300mm LVM1 Connector + Dip Moulded Shroud	All	Loose LVM Connector and Dip Moulded Shroud	LVM3/UPN	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02823R
NE22 Waveform Neutral Connector	All	Loose Waveform Neutral Connector	NE22		02829A
25 metre Roll of 9.5mm Clear Heatshrink Tube	All	Used to protect paper insulation within joints	SFTW-202 9.5mm		01038J
25 metre Roll of 12.7mm Clear Heatshrink Tube	All	Used to protect paper insulation within joints	SFTW-202 12.7mm		01038T
25 metre Roll of 19mm Clear Heatshrink Tube	All	Used to protect paper insulation within joints	SFTW-202 19.0mm		02325X
25 metre Roll of 25.4mm Clear Heatshrink Tube	All	Used to protect paper insulation within joints	SFTW-202 25.4mm		01187A
25 metre Roll of 38mm Clear Heatshrink Tube	All	Used to protect paper insulation within joints	SFTW-202 38.0mm		02326H
Insulated Connector Holding Tool	All	Tool used to hold mains straight joint connectors	N/A	TW Engineering Co Ltd	31046D
IIPC Holding Tool	All	Tool used to hold mains and service IIPC connectors	KJ17	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	32047S
Insulated 13/17mm Ratchet Spanner	All	Reversible insulated ratchet tool	RM13/17	Clydesdale Ltd	31045T

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5.20 LV Link Boxes

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
2-Way Untailed Insulated Link Box, complete with pit frame and pavement cover, plus 3 x 400A Links	All	Requires 21.0 litres JEM resin	82202000L		04490B
2-Way Tailed Insulated Link Box, complete with pit frame and pavement cover, plus 3 x 400A Links	All	Factory fitted with 2 x 3 metre 300mm² Waveform Cable	82202T30L		04491L
4-Way Untailed Insulated Link Box, complete with pit frame and pavement cover, plus 3 x 400A Links	All	Requires 40.0 litres JEM resin	82402000L	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	04493F
4-Way Tailed Insulated Link Box, complete with pit frame and pavement cover, plus 3 x 400A Links	All	Factory fitted with 4 x 3 metre 300mm² Waveform Cable	82402T30L		04494Q
2-Way Tailed Insulated Metering Link Box, complete with pit frame and pavement cover, plus 12 x 400A Links & factory fitted with 2 x 3 metre 300mm² Waveform Cable Tails (also includes separate pillar to accommodate meter).	All	Only for use as a metered connection point for an ICP or IDNO	82212M30F		N/A

5.21 Two Part JEM Resin for use in LV, 11 and 33kV Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
6.0 Litre Kit	All		UJEM600	Prysmian Cables & Systems Limited, Chickenhall Lane, Bishopstoke, Eastleigh SO50 6YU	04007L

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5.22 LV Underground Distribution Boxes

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
LV 12S-A Way Underground Service Distribution Unit	All	LV Underground Distribution Unit (re-enterable suitable for 12 connections with a combination of 3 phase, single phase and street lights). Mains cable 95-300mm2, Service cables 16-35mm2	LVD/12S-A	Sicame Electrical Developments Ltd Riverholme Works Huddersfield Road Holmfirth West Yorkshire HD9 3TN	02500W
LVD/12S-F Way Underground Service Distribution Unit - G78 use only	All	For use on G78 Phone mast installations LV Underground Distribution Unit (re-enterable suitable for 12 connections with a combination of 3 phase, single phase and street lights). Mains cable95-300mm², Service cables 16-35mm²	LVD/12S-F		ТВА
LVD/18S-A Way Underground Service Distribution Unit	All	LV Underground Distribution Unit (re-enterable suitable for 18 connections with a combination of 3 phase, single phase and street lights). Mains cable 95-300mm², Service cables 16-35mm²	LVD/18S-A		02501G
LVD/24S-A Way Underground Service Distribution Unit	All	LV Underground Distribution Unit (re-enterable suitable for 24 connections with a combination of 3 phase, single phase and street lights). Mains cable 95-300mm², Service cables 16-35mm²	LVD/24S-A		02502R
Block Pavior Pavement Frame & Cover accommodate meter).	All	Block Pavior Pavement Frame & Cover	4816		02507Q
Access Chamber	All	Access Chamber to be used in conjunction with LVD/12S-A, LVD/12S-F, LVD/18S-A and LVD24S-A underground distribution boxes and a pavement cover (4816 or 4815) may be used as appropriate	4038		02505V
Concrete Pavement Cover	All	Concrete Pavement Cover	4815		02506F

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5.23 11kV Transition Straight and Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Transition Straight - XLPE to PILC/PICAS/PICAS - 95 to 185mm ² *	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63410		04120S	13
Transition Straight - XLPE to PILC/PICAS - 240 to 300mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63411		04121C	15
Transition Branch - XLPE to PILC/PICAS/PICAS - 95 to 185mm ² *	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63412		04122M	36
Transition Branch - XLPE to PILC/PICAS/PICAS - 240 to 300mm*	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63413		04123W	45
Transition Loop - XLPE to PILC/PICAS/PICAS - 95 to 185mm ² *	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63440		04137U	21
Transition Loop - XLPE to PILC/PICAS/PICAS - 240 to 300mm ² *	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63441		04138E	38
Six Core PILC/PICAS Transition Straight 95 to 185mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63605		04139P	45
PILC Build Up Kit for Above Joints	All	For use on small PILC cables with transition straight & branch joints	SMOE-63429	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	04125R	N/A
13.1kA Earth Kit	LPN & SPN	For use on PILC cables above 95mm in LPN and SPN areas ONLY	SMOE-63414		04124G	N/A
Polymeric Preparation Kit for Transition Joints - 95 to 150mm ²	All	Additional materials required when installing more than one set of XLPE cables into a transition joint	SMOE-63415		04129F	N/A
Polymeric Preparation Kit for Transition Joints - 185 to 300mm ²	All	Additional materials required when installing more than one set of XLPE cables into a transition joint	SMOE-63416		04130B	N/A
PILC Cable Preparation Kit - 95 to 185mm ²	All	Additional materials required when installing more than one set of PILC cables into a transition joint	SHSM-12AL(2)		04140K	N/A
PILC Cable Preparation Kit - 240 to 300mm ²	All	Additional materials required when installing more than one set of PILC cables into a transition joint	SHSM-12BL(1)		04141U	N/A
Three Core Polymeric Cable Preparation Kit	All	Additional materials for use with a three core polymeric cable when installed in a transition	SMOE-63439		04134Q	N/A

^{*} When used with Polylam cables these joints require additional earth kits. Tyco part no. SMOE-63409. UKPN Stores code 04106D

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5.24 11kV PILC/PICAS Straight and Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Three core PILC/PICAS Pot End	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-61757		04120S	14
PILC/PICAS Straight - 95 to 185mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63417		04121C	12
PILC/PICAS Straight - 240 to 300mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63418	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	04122M	25
PILC/PICAS Branch - 95 to 185mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-61987		04123W	45
PILC/PICAS Branch - 240 to 300mm ²	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-61988		04137U	45

^{*} When used with Polylam cables these joints require additional earth kits. Tyco part no. SMOE-63409. UKPN Stores code 04106D

5.25 11kV XLPE to XLPE Straight and Branch Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code	Resin Volume (L)
Single core Straight 35 to 95mm ² *	All	Heatshrink kit - 1 joint per phase – not to be used for straight joints on triplex cable	SMOE-63401		04100A	N/A
Single core Straight 150 to 300mm ² *	All	Heatshrink kit - 1 joint per phase – not to be used for straight joints on triplex cable	SMOE-63402		04101K	N/A
Triplex Straight - 35 to 95mm²	All	Three Phase Joint	SMOE-63403		04102U	6
Triplex Straight - 150 to 300mm ² *	All	Three Phase Joint	SMOE-63404	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH	04103E	6
Triplex Pot End 95 to 185mm ²	All	Three Phase Joint	SMOE-63407	www.tycoelectronics.com	04106J	14
Triplex Pot End 240 to 300mm ² *	All	Three Phase Joint	SMOE-63408		04107T	14
Single Core Branch 95 to 150mm ² *	All	Joint to be filled with standard UKPN specification JEM resin	SMOE-63605		04139P	45
Single Core Branch 185 to 300mm ² *	All	For use on small PILC cables with transition straight & branch joints	SMOE-63429		04125R	N/A

^{*} When used with Polylam cables these joints require additional earth kits. Tyco part no. SMOE-63409. UKPN Stores code 04106D

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5.26 11kV Distribution Switchgear XLPE Terminations

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single core poly Indoor 95 to 185mm ² *	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63419		04150T
Single core poly Indoor 240 to 300mm ^{2*}	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63420		04151D
Single core poly Indoor 95mm ² for small existing T1 Cable Boxes	All	Heatshrink kit - set of 3 - included Phase Lugs, heatshrink boots and cable gland	SMOE-62831	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH	04154H
Single core poly Outdoor 95 to 185mm ² *	EPN & SPN	Heatshrink kit - set of 3 - included Phase Lugs, metal crucifix and earth connection	SMOE-63421	www.tycoelectronics.com	04152N
Stand-off Insulator (set of 3)	EPN & SPN	For use with Outdoor Termination kits to complete a pole termination	EPBI-19R-PPS-25KN- M01		04153X
11kV Surge arrester	EPN & SPN	Joint to be filled with standard UKPN specification JEM resin	BOW-OCP2-12S- NFF-003		09436E

^{*} When used with Polylam cables these joints require additional earth kits. Tyco part no. SMOE-63409. UKPN Stores code 04106D

5.27 11kV Primary Transformer Tail XLPE Terminations

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single core poly Indoor 400mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63430		04170L
Single core poly Outdoor 400mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63431		04171V
Single core poly Indoor 500 to 630mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63432	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	04172F
Single core poly Outdoor 500 to 630mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63433		04173Q
Single core poly Indoor 800mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63436		04174A
Single core poly Outdoor 800mm ²	All	Heatshrink kit - set of 3 - included Phase Lugs	SMOE-63437		04175K

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5.28 33kV XLPE to XLPE Straight Joints

Description	Network Approved	Comments	Manufacturer' s model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single-core XLPE straight 185 to 300mm ²	All	Single-core Heatshrink Joint including mechanical connectors	MXSU 6131-GB01	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02640P
Single-core XLPE straight 500 to 500mm ²	All	Single-core Heatshrink Joint including mechanical connectors	MXSU 6151-GB02		02641Y
Single-core XLPE straight 630 to 630mm ²	All	Single-core Heatshrink Joint including mechanical connectors	MXSU 6161-GB02		02642J
Single-core XLPE straight 900 to 800mm ²	All	Single-core Heatshrink Joint including mechanical connectors	MXSU 6171-GB01		02643T
Single-core XLPE straight 185/400 to 630mm ²	All	Single-core Heatshrink Joint including mechanical connector for Copper Wire Screen. Use with mechanical phase connectors 02665F and 02668K	SXSU 6142-GB01		02644D

5.29 33kV XLPE Pot End Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single-core XLPE pot end 185 to 400mm ²	All	3 x Single-core Heatshrink Joints	EPKE 36C 1XU-GB01	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02645N

5.30 33kV Single Core Transition Straight Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single-core XLPE to PILC straight 185 to 500mm ²	All	Single-core Heatshrink Joint excluding mechanical connectors. Use with mechanical connector phase connectors 026714 and 02665F. Can accommodate smaller section cables using build up kit 02651H.	EPKJ 36C 1XU-1HL- GB06	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH	02647H
Single-core XLPE to PILC straight 500 to 630mm ²	All	Single-core Heatshrink Joint excluding mechanical connectors. Use with mechanical connector phase connectors 02666Q, 02667A and 02669U	EPKJ 36D 1XU-1HL- GB03	www.tycoelectronics.com	02648S

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5.31 33kV Three Core Transition Straight Joints

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Resin Filled three core transition straight joint, Single- core XLPE 185 to 500mm ² to 3c H type PILC 185 to 400mm ²	All	Complete joint excluding mechanical connectors. Use with mechanical connector phase connectors 02671A and 02665F. Can accommodate smaller section cables using build up kit 02651H. Requires JEM resin to encapsulate	SMOE-63751	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02649C
All Heatshrink three core transition straight joint, Single- core XLPE 500 to 630mm ² to 3c H type PILC 185 to 400mm ²	All	Complete joint excluding mechanical connectors. Use with mechanical connector phase connectors 02665F and 02668K. Can accommodate smaller section cables using build up kit 02651H.	SMOE-63752		02650X
Build up kit for paper cables	All	For use on small paper cables in trifurcating straight joints	SMOE-62191		02651H
HSL module	All	Converts 3-core PILC Transition into HSL to Single- core XLPE joint	SMOE-62909		02653C

5.32 33kV Mechanical Connector Packs

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Straight connector 185/500 to 500mm ²	All	Single mechanical connector	BSMB 185/400 - 500		02665F
Straight connector 500 to 500mm ²	All	Single mechanical connector	BSMB 500		02666Q
Straight connector 500 to 630mm ²	All	Single mechanical connector	BSMB 500 - 630	Tyco Electronics Ltd.	02667A
Straight connector 185/400 to 630mm ²	All	Single mechanical connector	BSMB 185/400 - 630	Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02668K
Straight connector 630 to 630mm ²	All	Single mechanical connector	BSMB 630		02669U
Straight connector 800 to 800mm ²	All	Single mechanical connector	BSMB 800		02670Q
Straight connector 95 to 300mm ²	All	Single mechanical connector	BSMB 95 -300GB		02671A

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5.33 33kV Single Core XLPE Indoor/Outdoor Termination Kits

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Single-core XLPE Indoor/outdoor Termination kit 185mm ²	All	Kit contains heatshrink components lugs for 3 Single- core cables. Use with Mechanical Lug pack 02675P.	EPKT 36D 1XO - GB03		02660G
Single-core XLPE Indoor/outdoor Termination kit 300 to 500mm ²	All	Kit contains heatshrink components lugs for 3 Single- core cables. Use with Mechanical Lug packs 02675P and 02676Y.	EPKT 36E 1XO - GB02		02661R
Single-core XLPE Indoor/outdoor Termination kit 630 to 800mm ²	All	Kit contains heatshrink components lugs for 3 Single- core cables. Use with Mechanical Lug packs 02676Y and 02677J.	EPKT 36F 1XO - GB01	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02662B
33kV Surge Arrester	EPN & SPN	Box of three. For use with Outdoor Termination kits to create a pole termination with surge arresters	OCP2-30M-NFF		09435U
Outdoor Termination Support Bracket	EPN & SPN	For use with Outdoor Termination kits to create a pole termination with a set of surge arresters	EPPA-031		02680Y

5.34 33kV Mechanical Lug Packs

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
185 to 400mm ² mechanical lug pack	All	Three mechanical phase lugs and three copper wire screen lugs	EDFE-KIT01 (BAH-038080872)	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02675P
500 to 630mm ² mechanical lug pack	All	Three mechanical phase lugs and three copper wire screen lugs	EDFE-KIT02 (BAH-038080873)		02676Y
800mm ² mechanical lug pack	All	Three mechanical phase lugs and three copper wire screen lugs	EDFE-KIT03 (BAH-038080874)		02677J

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5.35 Cable Laying Accessories – Cable Protection Tapes

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Tile Tape for use up to 22kV	All	Tile tape for use up to 22kV must be marked with UK Power Networks name. Provided in 40M coils x 200mm (wide) x 2.5mm (thick). To be laid over entire run of cable and joints (UK Power Networks Specification ES 02-1000)	N/A	Centriforce Product Limited Centriforce Products Ltd 14-16	04040C
Stok Board for use at 33kV and above	All	Tile tape for use at 33kV and above must be marked with UK Power Networks name. Provided in 1000mm long x 244mm (wide) x 9mm (thick). To be laid over entire run of cable and joints (UK Power Networks Specification ES 02-1000)	N/A	Derby Road Liverpool L20 8EE www.centriforce.com	04041M

5.36 Plastic Cable Ducts for LV to 22kV Cables

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
32mm Coilable Service Duct (100 metres)	All	Used for single phase public lighting and domestic service cables	30333	Emtelle UK Ltd. Haughead,	25400F
50mm Coilable Service Duct (50 metres)	All	Used for three phase 100A service cables	30383	Hawick, Scotland. TD9 8L www.emtelle.com	25401Q
100mm Solid Rigiduct (2 metre length)	All	LV, 11kV and 22kV mains cables	RB100X2		25416X
125mm Solid Rigiduct (2 metre length)	All	LV, 11kV and 22kV mains cables	RB125X2		25411Y
125mm Solid Rigiduct (6 metre length)	All	LV, 11kV and 22kV mains cables	RB125X6		25045J
150mm Solid Rigiduct (2 metre length)	All	LV, 11kV and 22kV mains cables	RB150X2		25417H
125mm Solid Rigiduct Bend (30°)	All	LV, 11kV and 22kV mains cables	BRB125X30X0.9	Polypipe Civils Limited, Union Works Bishop Meadow Rd Loughborough	25413T
Rigiduct split 100mm x 1m	All	LV, 11kV and 22kV mains cables	RBS100X1S	LE11 5RE www.polypipecivils.co.uk	25418S
Rigiduct split 125mm x 1m	All	LV, 11kV and 22kV mains cables	RBS125X1S		25412J
Rigiduct split 150mm x 1m	All	LV, 11kV and 22kV mains cables	RBS150X1S		25414D
Meter box Cable Capping (1200 mm)	All	For capping surface mounted single phase service cable entering meter boxes	MG 010X1.2		11700J
Hockey Stick - Black (38 x 1700 mm)	All	For installation of service cables into cavity mounted meter box	HSPV020BLACK		25404U

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5.37 Plastic Cable Ducts for 33 to 132kV Cables

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
88.9mm OD uPVC duct (6 metre length)	All	Used for pilot, telephone or fibre optic cable, run in parallel with 33 and 132kV cables.	5079T		08985W
88.9mm OD uPVC 11.250 duct bend	All	Used for pilot, telephone or fibre optic cable, run in parallel with 33 and 132kV cables.	5492		N/A
88.9mm OD uPVC 22.50 duct bend	All	Used for pilot, telephone or fibre optic cable, run in parallel with 33 and 132kV cables	5118		08989L
88.9mm Connector Sleeve	All	Used for pilot, telephone or fibre optic cable, run in parallel with 33 and 132kV cables	5306		N/A
125mm OD uPVC duct (6 metre length)	All	Used for 33 and 132kV Cables	5080T		08986G
125mm OD uPVC 11.250 duct bend	All	Used for 33 and 132kV Cables	4736B		N/A
125mm OD uPVC 22.50 duct bend	All	Used for 33 and 132kV Cables	5427	Emtelle UK Ltd. Haughead,	08990G
125mm Connector Sleeve	All	Used for 33 and 132kV Cables	5621		N/A
160mm OD uPVC duct (6 metre length)	All	Used for 33 and 132kV Cables	3769S	Hawick, Scotland. TD9 8L www.emtelle.com	08987S
160mm OD uPVC 11.250 duct bend	All	Used for 33 and 132kV Cables	5482		N/A
160mm OD uPVC 22.50 duct bend	All	Used for 33 and 132kV Cables	5479		08991R
160mm Connector Sleeve	All	Used for 33 and 132kV Cables	3748		N/A
200mm OD uPVC duct (6 metre length)	All	Used for 33 and 132kV Cables	5305T		08988B
200mm OD uPVC 11.250 duct bend	All	Used for 33 and 132kV Cables	5343		N/A
200mm OD uPVC 22.50 duct bend	All	Used for 33 and 132kV Cables	5309		08992B
200mm Connector Sleeve	All	Used for 33 and 132kV Cables	5310		N/A

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5.38 Plastic Cable Guards

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Cable guard PVC for cables with a diameter of 20mm or less	All	Supplied in 3 metre lengths.	9493	Emtelle UK Ltd. Haughead, Hawick, Scotland. TD9 8L www.emtelle.com	09000P
Cable guard PVC for cables with a diameter of 38mm or less	All	Supplied in 3 metre lengths.	9484		08177W
Cable guard PVC for cables with a diameter of 50mm or less	All	Supplied in 3 metre lengths.	9495		09001Y
Cable guard PVC for cables with a diameter of 64 to 80mm or less	All	Supplied in 3 metre lengths.	9497		08171N

5.39 Plastic Cable Duct Seals

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
45-60mm internal Diameter Duct Seal	All	Cable Duct Seal (Single cable) Suitable for Ducts between: 45- 60mm Diameter with cables 0 – 45mm. Also Suitable for sealing empty ducts	RDSS 60	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	02560Y
55-75mm internal Diameter Duct Seal	All	Cable Duct Seal (Single cable) Suitable for Ducts between: 55- 75mm Diameter with cables 0 – 56mm. Also Suitable for sealing empty ducts	RDSS 75		02561J
Clip for use with Triplex cable	All	Cable Duct Clip for use with triplex cable in a 55 to 75mm duct	RDSS-Clip-75		02571S
75-110mm internal Diameter Duct Seal	All	Cable Duct Seal (Single cable) Suitable for Ducts between: 75- 110mm Diameter with cables 0 – 100mm. Also Suitable for sealing empty ducts up to 100mm	RDSS 100		02562T
Clip for use with Triplex cable	All	Cable Duct Clip for use with triplex cable in a 75 to 110mm duct	RDSS-Clip-100		02572C
100-125mm internal Diameter Duct Seal	All	Cable Duct Seal (Single cable) Suitable for Ducts between: 100- 150mm Diameter with cables 0 – 130mm. Suitable for sealing empty ducts except p 120mm	RDSS 125		02563D
Clip for use with Triplex cable	All	Cable Duct Clip for use with triplex cable in a 100 to 125mm duct	RDSS-Clip-125		02573M
125-150mm internal Diameter Duct Seal	All	Cable Duct Seal (Single cable) Suitable for Ducts between: 125- 150mm Diameter with cables 60 – 150mm. Not suitable for empty ducts	RDSS 150		02564N
Clip for use with Triplex cable	All	Cable Duct Clip for use with triplex cable in a 125 to 150mm duct	RDSS-Clip-150		02574W

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Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
Rayflate Inflation Tool	All	Inflation Tool used to inflate duct seal	RDSS-IT-16	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	32290H
Rayflate Inflation Tool Gas Cylinder	All	Gas Cylinder solid in boxes of 10, each cylinder will inflate approximately 5 RDss-100 duct seals.	E7512-0160		27330H

5.40 132kV XLPE Cable Systems Accessories

Description	Network Approved	Comments	Manufacturer's model/type reference or drawing no.	Approved Supplier	UKPN Stores Code
132kV (XLPE cable straight Joints, outdoor sealing ends, GIS terminations).	All	Standard XLPE Joints and Termination designed to work with all cable sizes as specified in sections 5.6 and 5.7	N/A	Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	
33 and 132kV XLPE to Fluid Filled Cable Transition Joints	All	Standard XLPE to Fluid Filled cable single and three core Joints designed to connect all cable sizes as specified in sections 5.5, 5.6 and 5.7 to existing sizes of single and three core fluid filled cables		Ericsson Cables via Elmeridge Cable Services (ECS) 1 Wrexham Road Laindon Essex SS15 6PX United Kingdom Tel. +44 (0)1268 493085 Fax: +44 (0)1268 493085 Email: info@elmeridgecableservices.com Website: www.elmeridgecableservices.co.uk	
Cable System Earthing Link Boxes, associated links and sheath voltage limiters	All	Links boxes designed to meet the requirement of the individual cable system as specified in ENA ER C55/4		Tyco Electronics Ltd. Freebournes Road, Witham Essex, CM8 3AH www.tycoelectronics.com	N/A
240mm² Single core bonding lead with stranded copper conductor, graphite coated Black PVC insulation 240/240mm² Concentric core bonding lead with stranded copper conductors, PVC insulation and a graphite coated outer Black PVC insulation	All	Bonding leads designed to meet the requirement of the individual cable system as specified in ENA ER C55/4		Copper Cable Company, Interlink Park, Bardon Hill NR. Coalville, Leicestershire LE67 1LA	