

1 Scope

This appendix combines the requirements of Parts 2 and Parts 5 of ENA ER G81. It provides the following information;

- required by Appendix A of Part 2 of ENA ER G81 covering the materials specification for new low voltage services and mains and associated high voltage to low voltage substations for the purpose of connecting housing developments to the electricity distribution network of Electricity North West Limited (SP Electricity North West).
- required by Appendix A of Part 5 of ENA ER G81 covering the materials specification for new underground connections at voltages up to and including 11kV for industrial and commercial loads to the electricity distribution network of SP Electricity North West.

As the material specifications covered by Part 2 and Part 5 are common, the information has been combined to avoid unnecessary duplication and make it easier to read.

2 General

This document provides details of SP Electricity North West's approved range of cables, plant, equipment and auxiliary items used to construct distribution assets for connection to SP Electricity North West's distribution network. Only equipment approved by SP Electricity North West and listed in this document shall be used to construct electricity networks, substations and services for adoption by SP Electricity North West in its distribution area.

For all new connections work, the approved installer (ICP) shall provide the Engineer with a full list of equipment to be used. The Engineer will then aim to formally accept or reject the proposal within 10 working days.

All materials for new connections shall conform to the latest SP Electricity North West Specifications. Where the interface between a new connection and existing assets (cables, switchgear etc) requires alternative material specification, this shall be agreed by SP Electricity North West's Head of Policy.

Where SP Electricity North West's requirements are not specified in this document, the ICP shall liaise with the Engineer, to gain approval from Electricity North West Head of Policy for its suggested equipment, prior to purchasing the equipment.

This document will be updated on a regular basis when new equipment is approved by the SP Electricity North West Head of Policy. Further details will also be added as requirements for further information on the range of equipment used is identified.

This specification provides a description of the materials; the relevant SP Electricity North West specifications; Approved suppliers for the materials and useful comments on the materials' use.

Where applicable, SP Electricity North West's approval of the listed suppliers is based on the stated manufacturing locations only.

	<p>PART 2 – MATERIALS SPECIFICATION FOR NEW LOW VOLTAGE INSTALLATIONS FOR HOUSING DEVELOPMENTS</p> <p>PART 5 – MATERIALS SPECIFICATION FOR NEW UNDERGROUND CONNECTIONS AT VOLTAGES UP TO 11kV FOR INDUSTRIAL AND COMERCIAL CUSTOMERS</p>	<p>ES281</p>
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3 Approved Equipment List

All Approved equipment is listed on a spreadsheet which is available on Electricity North West's website via the following link: [G81 policies \(enwl.co.uk\)](https://enwl.co.uk/g81-policies).