



Electricity Specification 400W1

Issue 1

December 1990

Aluminium and Copper Binding Wire, Plain and PVC Covered

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**Approved for issue by the
Technical Policy Panel**

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Issue and Amendment Summary

Amendment No. Date	Brief Description and Amending Action
<p>0 18/12/90</p>	<p>Issue 1</p> <p>First Issue: Format revised; QA Clauses added; no change to technical content.</p> <p>Prepared by: A C Byrne</p> <p>Approved by the Standards Steering Group and signed on its behalf by:</p>

ALUMINIUM AND COPPER BINDING WIRE, PLAIN AND PVC COVERED

1. GENERAL REQUIREMENTS FOR APPROVALS AND TESTING

1.1 Product not to be Changed

No change in the product, packaging or labelling shall be made after Approval has been granted without prior notice to the Engineer, in writing, to the proposed change.

1.2 Electricity North West Technical Approval

1.2.1 The Tenderer shall submit, with this Tender, proposals for testing which will demonstrate, to the satisfaction of the Engineer, compliance with this Specification. Such tests shall be carried out without expense to Electricity North West.

1.2.2 Alternatively, the Tenderer may submit technical reports and other data that he considers will demonstrate, to the satisfaction of the Engineer, compliance with this specification. Acceptance of this evidence shall be at the discretion of the Engineer but will not be unreasonably withheld.

1.3 Quality Assurance

1.3.1 The Tenderer shall confirm whether or not approval is held in accordance with the provisions of either the ESI Quality Assurance Registration Scheme. If not, he shall advise the Engineer of details of quality assurance procedures employed to control the quality of the product, including the performance of Suppliers and Sub-Contractors.

1.3.2 The right is reserved for the Engineer to require, from time to time, the repeat of such tests as he may deem to be reasonably necessary to demonstrate continued compliance with the Specification.

1.3.3 The Tenderer shall submit, with his Tender, a list of tests and inspections which are carried out on the product prior to despatch which shall demonstrate, to the satisfaction of the Engineer, fitness for installation and service.

1.3.4 The Tenderer shall provide free of charge to Electricity North West such samples as may, in the opinion of the Engineer, be reasonably required for inspection and/or retention as quality control samples. The requirement for samples will be confirmed by the Engineer at the time of Tendering.

1.3.5 The right is reserved for the Engineer to make, from time to time, such inspections of the Tenderer's facilities as he may deem to be reasonably necessary to ensure compliance with this Specification and any Contract of which it forms a part.

1.4 Formulation

The Tenderer shall submit, with his Tender, such details of the formulation and use of the product and associated substances as will enable Electricity North West to comply with the obligations of the Health and Safety in the use, storage and disposal of the product. The Tenderer may stipulate, prior to submission of such information, that he requires it to remain confidential and the Engineer will, if requested, confirm his agreement to this prior to receipt of the information.

1.5 Identification Markings

The Tenderer shall submit, with his Tender, details of markings which it is proposed to apply to the product or packaging to identify manufacturing batches or items. The forms and content of such markings shall be subject to the Approval of the Engineer.

1.6 Manufacturers Already Approved

Clauses 1.2.1, 1.2.2, 1.3.1, 1.3.3, 1.3.4, 1.4 and 1.5 will be waived in the case of products already approved.

2. TECHNICAL PARTICULARS

2.1 Scope

This specification covers the supply of aluminium and copper binding wire, plain and PVC covered.

2.2 Technical Requirements

2.2.1 Copper Binding Wire

Copper binding wire should comply with BS 4109 “Copper for Electrical Purposes – Wire for General Electrical Purposes and for Insulated Cables and flexible Cords”, Condition O, 2.5mm diameter.

2.2.2 Aluminium Binding Wire

Aluminium binding wire should comply with BS 2627 “Wrought Aluminium for Electrical Purposes – Wire”, Condition H8 2.5mm diameter.

2.2.3 PVC Covered Copper / Aluminium Binding Wire

Where specified wire as at 2.2.1 and 2.2.2 should be covered with 0.5mm black PVC complying with BS 6746 “PVC Insulation and sheath of Electric Cables”, Type 1.

2.3 Specific Requirements

The following table details the requirements for binding wire.

Electricity North West Commodity Code	Description	Wire Size	Coil Size
015105	Plain Copper Binding Wire	2.5mm (12swg)	3 kg
015032	PVC Covered Copper Binding Wire	2.5mm (12swg)	3 kg
015148	Plain Aluminium Binding Wire	2.5mm (12swg)	3 kg
015075	PVC Covered Aluminium Binding Wire	2.5mm (12swg)	3 kg