Electricity Specification 400T8

Issue 2            March 2002

Specification for Cable Tiles - Plastic

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Schedule One

Approved for issue by the Technical Policy Panel

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### Amendment Summary

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<th>Amendment No</th>
<th>Date</th>
<th>Brief Description and Amending Action</th>
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<tr>
<td>0</td>
<td>17/07/92</td>
<td>Initial issue</td>
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<td>0</td>
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<td>Document re-drafted to include current ‘template’. Schedule one - tolerance for thickness amended to +2mm / -0mm.</td>
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<td>Prepared by: DPH</td>
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<td>1</td>
<td>15/12/05</td>
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<td>Prepared by: D. P. Horsman</td>
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<td>Approved by the Technical Policy Panel and signed on its behalf by:</td>
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1. SCOPE

This specification covers the supply of plastic cable tiles 1000mm x 300mm x 12mm cables for use within Electricity North West Limited (hereinafter referred to as Electricity North West).

2. DEFINITIONS

Approval: Sanction by the Engineer that specified criteria have been satisfied.

Contract: The agreement between Electricity North West and the Contractor for the execution of the Works including therein all documents to which reference may properly be made in order to ascertain the rights and obligations of the parties under the said agreement.

Contractor: The person or person's firm or company, including personal representatives, successors and permitted assigns, who's tender has been accepted by Electricity North West.

Engineer: 'Electricity North West' Asset Policy and Standards Manager or his successor or such person specifically nominated on his behalf.

Specification: The Specifications and schedules (if any) agreed by the parties for the purpose of the Contract.

Supplier: Any person or person's firm or company who supply goods to Electricity North West or Electricity North West contractor.

Tender: An offer in writing to execute work or supply goods at a fixed price.

Tenderer: The person or person's firm or company, including personal representatives, successors and permitted assigns, invited by Electricity North West to submit a tender.

Words: Words importing persons shall include firms and corporations; words importing the singular only, also include the plural, and vice versa where the context requires.

Work: All materials, labour and actions required to be provided or performed by the Contractor under the Contract.

Writing: Any manuscript, typewritten or printed statement under seal or hand as the case may be.

3. GENERAL REQUIREMENTS FOR APPROVALS AND TESTING

3.1 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, and receipt of a written agreement to the proposed change from the Engineer.

3.2 Electricity North West Technical Approval

3.2.1 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.
3.2.2 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.

3.2.3 Approval shall be ‘site specific’ and is not transferable to another site without the written approval of the Engineer.

3.2.4 The supplier and product shall comply with all the relevant requirements of Electricity North West documents EPD311 and CP311.

3.3 Quality Assurance

3.3.1 The Tenderer shall confirm whether or not approval is held in accordance with a Quality Assurance Scheme accredited under ISO 9000. If not, he shall submit a statement of the quality assurance procedures employed to control the quality of the product, including the performance of Suppliers and Sub-Contractors.

3.3.2 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.

3.3.3 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.

3.3.4 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 Engineer will confirm the requirement for samples at the time of Tendering.

3.3.5 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.

3.3.6 The Tenderer shall submit, with his tender, such details of product packaging disposal, as will enable Electricity North West to comply with the requirements of BS EN ISO 14001: 1996 – Environmental Management Systems.

3.4 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 at Work Act 1974 and the Control of Substances Hazardous to Health Regulations 1988, 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.

3.5 Identification Markings

3.5.1 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, and shall in all cases include the Electricity North West Approved Description and Commodity Code Number.
3.5.2 The Tenderer shall submit, with his Tender, such details of marking gross weight on components, assemblies and packages, as will enable Electricity North West to comply with the Health and Safety Manual Handling Operation Regulations 1992, for components, assemblies and packages supplied with a gross weight over 1kg. The forms and content of such markings shall be subject to the Approval of the Engineer.

3.6 Minimum Life Expectancy

The minimum life expectancy of all products covered by this specification is x years.

3.7 Manufacturers Already Approved

Clauses 3.2.1, 3.2.2, 3.3.1, 3.3.3, 3.3.4, 3.4 and 3.5 will be waived in the case of products already approved.

3.8 Product Conformity

Preference will be given to those suppliers who can provide suitable Product Conformity Certification to a recognised or specified standard, or an equivalent certification.

4. REQUIREMENTS FOR TYPE AND ROUTINE TESTING

The specifier shall set out the requirement of the following tests to be carried out by the supplier at the suppliers’ cost.

4.1 Requirement for type tests at the suppliers’ premises

These are a series of one-off type tests, which are carried out to ensure the satisfactory performance of the product design, under extremes of operating stresses, and of endurance, as may be appropriate, to be determined by the specifier.

These may or may not be destructive tests.

4.2 Requirement for routine tests at the suppliers’ premises

These tests may be required to be carried out on every individual unit or component, as specified, or at some regular frequency to be determined by the specifier.

The results of these tests may be required to be supplied to Electricity North West with each unit purchased or retained for inspection, at a period to be determined.

4.3 Requirement for on site tests

These will normally be included within the scope of on site commissioning, but may be included if appropriate.

5. TECHNICAL PARTICULARS

Cable tiles shall be manufactured from plastic material, conforming to Schedule One of this specification, and shall incorporate a plastic marker tape which complies with the requirements of Electricity North West Engineering Specification ES400T2.

A means of fixing tiles one to another in a longitudinal direction shall be incorporated.

The tenderer must submit, with his tender, documentary evidence that demonstrates to the Engineer that the supplied product complies with the standard.
6. DOCUMENTS REFERENCED


6.5 BS EN ISO 14001 1996 Environmental Management Systems.

6.6 BS 2782: Methods of testing plastics.

6.7 BS 476: Fire tests on building materials and structures.

7. KEYWORDS

Cable.
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<th>Property</th>
<th>Unit</th>
<th>Nominal Value</th>
<th>Tolerances</th>
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<tr>
<td>Length</td>
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<td>1000</td>
<td>±5mm</td>
</tr>
<tr>
<td>Width</td>
<td>mm</td>
<td>300</td>
<td>±5mm</td>
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<tr>
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<td>mm</td>
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<tr>
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