

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1 AMENDEMENT 1

**Electric and optical fibre cables – Test methods for non-metallic materials –
Part 501: Mechanical tests – Tests for determining the mechanical properties of
insulating and sheathing compounds**

**Câbles électriques et à fibres optiques – Méthodes d'essai pour les matériaux
non-métalliques –
Partie 501: Essais mécaniques – Détermination des propriétés mécaniques des
mélanges pour les enveloppes isolantes et les gaines**



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FOREWORD

This amendment has been prepared by IEC technical committee 20: Electric cables.

The text of this amendment is based on the following documents:

FDIS	Report on voting
20/1795/FDIS	20/1809/RVD

Full information on the voting for the approval of this amendment can be found in the report on voting indicated in the above table.

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

4.2.1 General

Add, at the end of the second paragraph, the following new text:

Preparation and conditioning of test pieces for ageing treatment and test pieces without ageing shall be the same.

4.2.3 Preparation and conditioning of test pieces

Replace the existing NOTE 1 with the following new NOTE 1 and new text:

NOTE 1 Elevated temperature conditioning is not an ageing treatment. It is used as a means of ensuring stable and consistent test pieces when required. Initial mechanical values can show significant variation due to extrusion and cooling conditions, and can change over time and with thermal history.

Elevated temperature conditioning is used:

- when called for in the relevant cable standard; or
- if there is a doubt or disagreement about a result and the test needs to be repeated.

In either case, the conditioning applies only to the test piece as taken from the cable before any subsequent treatment (ageing, compatibility test, oil immersion, etc.).