

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V –
Part 3: Guidance for use**

**Câbles à isolant minéral et leurs terminaisons de tension assignée ne dépassant pas 750 V –
Partie 3: Guide d'utilisation**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MINERAL INSULATED CABLES AND THEIR TERMINATIONS WITH A RATED VOLTAGE NOT EXCEEDING 750 V –

Part 3: Guidance for use

FOREWORD

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International Standard IEC 60702-3 has been prepared by IEC technical committee 20: Electric cables.

This first edition of IEC 60702-3 is based on CENELEC HD 586.3.

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

FDIS	Report on voting
20/1618/FDIS	20/1623/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 60702 series, published under the general title *Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V*, can be found on the IEC website.

The committee has decided that the contents of this 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,
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- replaced by a revised edition, or
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MINERAL INSULATED CABLES AND THEIR TERMINATIONS WITH A RATED VOLTAGE NOT EXCEEDING 750 V –

Part 3: Guidance for use

1 Scope

This part of IEC 60702 provides guidance for the safe use of mineral insulated cables and their terminations with a rated voltage not exceeding 750 V which are specified in IEC 60702-1 and IEC 60702-2.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60364-1, *Low-voltage electrical installations – Part 41: Fundamental principles, assessment of general characteristics, definitions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60364-1 apply.

4 Safety

4.1 Fundamental considerations

4.1.1 Safety of a cable means that the product does not present an unacceptable risk of danger to life or property when being used in its intended manner.

4.1.2 Unless otherwise stated, cables shall not be used for any other purpose than the transmission and distribution of electricity.

4.1.3 The test methods, test parameters and requirements described in IEC 60702-1 and IEC 60702-2 are only provided for the purpose of checking design with respect to safety and quality assurance. They shall not be regarded as providing guidance as to whether the cables are suitable for service under conditions equivalent to the test conditions.

4.2 General

4.2.1 All conductors and cables shall be selected so as to be suitable for the voltages and currents likely to occur under all conditions which are or shall have been anticipated in the equipment or installation in which they are used.

4.2.2 Cables shall be constructed, installed, protected, used and maintained so as to prevent danger so far as it is reasonably practical.

4.2.3 The limiting temperature conditions under which mineral insulated cables and terminations can reasonably be expected to operate safely under normal circumstances are given in Table 1.