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IRISH STANDARD

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ICS 17.220.20

National Standards
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**ELECTROMAGNETIC LOCATORS FOR
BURIED PIPES AND CABLES -
PERFORMANCE AND SAFETY**

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EUROPEAN STANDARD

EN 50249

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English version

**Electromagnetic locators for buried pipes and cables -
Performance and safety**

Localisateurs électromagnétiques
pour câbles et canalisations enterrés -
Performances et sécurité

Elektromagnetische Ortungsgeräte für
unter Erde verlegte Rohre und Kabel -
Leistungsmerkmale und Sicherheit

This European Standard was approved by CENELEC on 2002-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

This European Standard was prepared by CENELEC BTWG 72-2, Metallic pipe and cable locators.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50249 on 2002-07-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2003-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2005-07-01

Annexes designated "normative" are part of the body of the standard. Annexes designated "informative" are given for information only. In this standard, Annexes A, C and D are normative and Annex B is informative.

Of all pipe and cable locators, those employing electromagnetic principles are the most commonly used for locating buried metallic plant.

Pipe and cable locators are used for the following purposes:

- to determine the position of a buried target line at a particular location;
- to trace the route of a buried target line;
- to determine the position of lines buried adjacent to target lines.

Such locators make a major contribution towards minimizing the risk of damaging buried plant, and injury to operatives, during subsequent excavation.

This European Standard specifies the minimum performance requirements to which all pipe and cable locators should conform, in order to ensure that locators have an acceptable performance consistent with the user's needs.

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