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INTERNATIONAL STANDARD

**Testing of balanced and coaxial information technology cabling –
Part 3: Installed cabling as specified in ISO/IEC 15018 and related standards**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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TESTING OF BALANCED AND COAXIAL INFORMATION TECHNOLOGY CABLING –

Part 3: Installed cabling as specified in ISO/IEC 15018 and related standards

FOREWORD

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International Standard IEC 61935-3 has been prepared by IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

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

FDIS	Report on voting
46/261/FDIS	46/268/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 the parts of the IEC 61935 series, under the general title *Testing of balanced and coaxial information technology cabling*, can be found on the IEC website. Future standards in this series will carry the new general title as cited above.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site 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- withdrawn,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.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

Telecommunication cabling for homes has evolved into the specification and deployment of generic cabling. This generic cabling system for homes is specified within ISO/IEC 15018. Formerly, there had been no test requirement for home cabling. Connectivity tests and visual inspection were, at best, random and insufficient. However, bandwidth requirements of the home applications are ever increasing and home-owners need assurance that their generic cabling will indeed support intended network technologies that are delivered to the home and distributed throughout the home. This part of IEC 61935 addresses both verification and qualification of home cabling.

TESTING OF BALANCED AND COAXIAL INFORMATION TECHNOLOGY CABLING –

Part 3: Installed cabling as specified in ISO/IEC 15018 and related standards

1 Scope

This part of IEC 61935 specifies conformance testing for home cabling. These conformance tests include visual inspection, verification testing and either qualification testing or certification testing. Documentation for the test results are also specified.

2 Normative references

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

IEC 60728-1, *Cable networks for television signals, sound signals and interactive services – Part 1: System performance of forward paths*

IEC 60728-12, *Cabled distribution systems for television and sound signals – Part 12: Electromagnetic compatibility of systems*

ISO/IEC 11801, *Information technology – Generic cabling for customer premises*

ISO/IEC 15018, *Information technology – Generic cabling for homes*