

# INTERNATIONAL STANDARD



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**Generic cabling systems – Specification for the testing of balanced  
communication cabling in accordance with ISO/IEC 11801 –  
Part 2-25: Work area with M12 4 poles connectors – Blank detail specification**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GENERIC CABLING SYSTEMS – SPECIFICATION FOR  
THE TESTING OF BALANCED COMMUNICATION  
CABLING IN ACCORDANCE WITH ISO/IEC 11801 –**

**Part 2-25: Work area with M12 4 poles connectors –  
Blank detail specification**

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International Standard IEC 61935-2-25 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:

CDV	Report on voting
46/518/CDV	46/544/RVC

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 61935 series, published under the general title *Generic cabling systems – Specification for the testing of balanced communication cabling in accordance with ISO/IEC 11801*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

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- withdrawn,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

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

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# GENERIC CABLING SYSTEMS – SPECIFICATION FOR THE TESTING OF BALANCED COMMUNICATION CABLING IN ACCORDANCE WITH ISO/IEC 11801 –

## Part 2-25: Work area with M12 4 poles connectors – Blank detail specification

### 1 Scope

This part of IEC 61935, which is a blank detail specification, describes work area cord with M12 4 poles d-code connectors, as used in the ISO/IEC 24702 and IEC 61918.

According to the above cabling specifications, although these cords have only two pairs, their transmission performances, when applicable, are at least category 5 compliant for which the requirements are given in ISO/IEC 11801:2002/AMD2:2010, Clause 13.

This specification should be used in conjunction with IEC 61156-1, IEC 61156-6 and IEC 61076-2-101 type D. The blank detail specification determines the layout and style for detail specifications describing cords with transmission characteristics up to 100 MHz for digital communications. Detail specifications, based on the blank detail specification, may be prepared by a national organization, a manufacturer, or a user.

Test configuration applicable to cords is detailed in IEC 61935-2.

### 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 60794-1-22, *Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental tests methods*

IEC 61076-2-101, *Connectors for electronic equipment – Product requirements – Part 2-101: Circular connectors – Detail specification for M12 connectors with screw-locking*

IEC 61156-1:2007, *Multicore and symmetrical pair/quad cables for digital communications – Part 1: Generic specification*

IEC 61156-6:2010, *Multicore and symmetrical pair/quad cables for digital communications – Part 6: Symmetrical pair/quad cables with transmission characteristics up to 1000 MHz – Work area wiring – Sectional specification*  
IEC 61156-6:2010/AMD1:2012

IEC 61918, *Industrial communication networks – Installation of communication networks in industrial premises*

IEC 61935-2:2010, *Specification for the testing of balanced and coaxial information technology cabling – Part 2: Cords as specified in ISO/IEC 11801 and related standards*

IEC 62012-1:2002, *Multicore and symmetrical pair/quad cables for digital communications to be used in harsh environment – Part 1: Generic specification*

ISO/IEC 11801:2002, *Information technology – Generic cabling for customer premises*  
ISO/IEC 11801:2002/AMD2:2010

ISO/IEC 24702, *Information technology – Generic cabling – Industrial premises*