

INTERNATIONAL STANDARD

IEC 60974-12

Second edition
2005-06

Arc welding equipment – Part 12: Coupling devices for welding cables

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ARC WELDING EQUIPMENT –

Part 12: Coupling devices for welding cables

FOREWORD

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International Standard IEC 60974-12 has been prepared by IEC technical committee 26: Electric welding.

This second edition cancels and replaces the first edition published in 1992. This edition constitutes a technical revision.

Major changes with respect to the first edition are the following:

- An operation capability requirement has been added to item b) of Clause 4).
- Tables 1 and 6 have slightly changed values and consider only a 60 % duty cycle.
- Subclause 7.1 "Voltage rating" has been newly introduced.
- Under 7.3 "Dielectric strength", the paragraphs 2 and 5 are newly introduced to consider arc striking and stabilizing devices.
- Examples and design recommendations have been removed from the normative part of the document and introduced in Annex A.

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

FDIS	Report on voting
26/303/FDIS	26/309/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.

IEC 60974 consists of the following parts, under the general title *Arc welding equipment*:

- Part 1: Welding power sources
- Part 2: Liquid cooling systems
- Part 3: Arc striking and stabilizing devices
- Part 4: Safety, maintenance and inspection of arc welding equipment in use ¹
- Part 5: Wire feeders
- Part 6: Limited duty manual metal arc welding power sources
- Part 7: Torches
- Part 8: Gas consoles for welding and plasma cutting systems
- Part 10: Electromagnetic compatibility (EMC) requirements
- Part 11: Electrode holders
- Part 12: Coupling devices for welding cables

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- withdrawn;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.

¹ Under consideration.