INTERNATIONAL STANDARD

ISO 8205-3

Second edition
2012-10-15

Water-cooled secondary connection cables for resistance welding —

Part 3: Test requirements

Câbles secondaires refroidis par eau, pour le soudage par résistance —

Partie 3: Spécifications pour les essais

Reference number
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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8205-3 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding and allied mechanical joining*.

This second edition cancels and replaces the first edition (ISO 8205-3:1993), which has been technically revised.

ISO 8205 consists of the following parts, under the general title *Water-cooled secondary connection cables for resistance welding*:

— *Part 1: Dimensions and requirements for double-conductor connection cables*

— *Part 2: Dimensions and requirements for single-conductor connection cables*

— *Part 3: Test requirements*

Water-cooled secondary connection cables for resistance welding —

Part 3:
Test requirements

1 Scope

This part of ISO 8205 specifies test procedures for single- and double-conductor secondary connection cables used for resistance welding and allied processes. It stipulates the requirements regarding the electrical, mechanical, and cooling characteristics of these cables.

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.

ISO 8205-1, *Water-cooled secondary connection cables for resistance welding — Part 1: Dimensions and requirements for double-conductor connection cables*

ISO 8205-2, *Water-cooled secondary connection cables for resistance welding — Part 2: Dimensions and requirements for single-conductor connection cables*

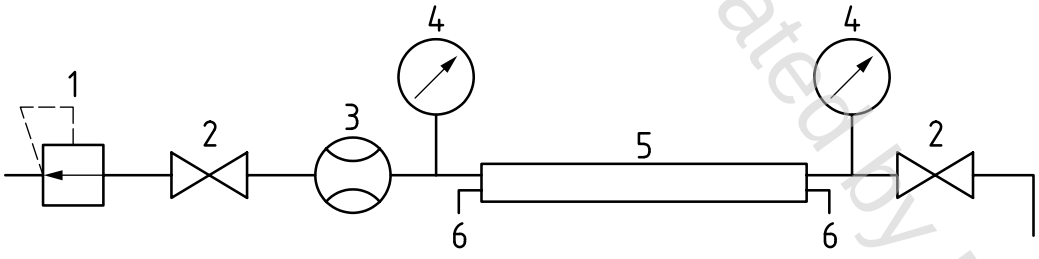
3 Tests

3.1 General

All the tests are type tests.

Figure 1 gives an example of the water supply to the cable for the tests requiring this.

When the tests are carried out, there shall be no trace of water at the various connections.



Key

1	pressure reducing valve	4	pressure gauge
2	valve	5	cable
3	flow meter	6	seal

Figure 1 — Example of water supply to the cable