



National Standards Authority of Ireland

IRISH STANDARD

**I.S. 201:Part 9: 2001**

ICS 29.060.20

**POLYVINYL CHLORIDE INSULATED CABLES  
OF RATED VOLTAGES UP TO AND  
INCLUDING 450/750V. PART 9: CABLES FOR  
INSTALLATION AT LOW TEMPERATURES**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel: (01) 807 3800  
Tel: (01) 807 3838

*This Irish Standard was  
published under the  
authority of the National  
Standards Authority of  
Ireland  
and comes into effect on:  
December 28, 2001*

**NO COPYING WITHOUT NSAI  
PERMISSION EXCEPT AS  
PERMITTED BY COPYRIGHT  
LAW**

© NSAI 2001

**Price Code H**

Údarás um Chaighdeán Náisiúnta na hÉireann

**DECLARATION**  
**OF**  
**SPECIFICATION**  
**ENTITLED**  
  
**POLYVINYL CHLORIDE INSULATED CABLES OF RATED**  
**VOLTAGES UP TO AND INCLUDING 450/750 V.**  
**PART 9: CABLES FOR INSTALLATION AT LOW TEMPERATURES**  
  
**AS**  
  
**THE IRISH STANDARD SPECIFICATION FOR**  
  
**POLYVINYL CHLORIDE INSULATED CABLES OF RATED**  
**VOLTAGES UP TO AND INCLUDING 450/750 V.**  
**PART 9: CABLES FOR INSTALLATION AT LOW TEMPERATURES**

---

NSAI in exercise of the power conferred by section 16 (5) of the National Standards Authority of Ireland Act, 1996 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declare as follows:

1. This instrument may be cited as the Standard Specification (Polyvinyl Chloride Insulated Cables of Rated Voltages up to and including 450/750 V. Part 9: Cables for installation at low temperatures) Declaration, 2001.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Polyvinyl Chloride Insulated Cables of Rated Voltages up to and including 450/750 V. Part 9: Cables for installation at low temperatures.  
  
(2) The said standard specification may be cited as Irish Standard 201:Part 9:2001 or as I.S. 201:Part 9:2001.
3. (1) The Standard Specification (Polyvinyl Chloride (PVC) Insulated Cable and Flexible Cords of Rated Voltage up to and including 450/750 V) Declaration 1989 and Amendment No. 1:1993 and Amendment No. 2:1997 are hereby revoked.  
  
(2) Reference in any other standard specification to the Instruments hereby revoked and to Irish Standard 201:1989 and its Amendments thereby prescribed, shall be construed, respectively, as references to this instrument and to Irish Standard 201:2001.

I.S. 201:Part 9:2001

## CONTENTS

	Page
Declaration	1
Foreword	5
Clauses	
1. Scope	7
2. Single core non-sheathed cable with rigid conductor for installation at low temperatures	
2.1 Code designation	7
2.2 Rated voltage	7
2.3 Construction	7
2.4 Tests	7
2.5 Indication of origin and temperature marking	8
2.6 Guide to use	8
3. Single core non-sheathed cable with flexible conductor for installation at low temperatures	
3.1 Code to designation	10
3.2 Rated voltage	10
3.3 Construction	10
3.4 Tests	11
3.5 Indication of origin and temperature marking	11
3.6 Guide to use	11
4. Multicore sheathed cable with flexible conductor for installation at low temperature	
4.1 Code designation	13
4.2 Rated voltage	13
4.3 Construction	13
4.4 Tests	14
4.5 Indication of origin and temperature marking	14
4.6 Guide to use	14
Annex A: Normative References (Normative)	17
Annex B: Bibliography (Informative)	18
Annex C: Guide to use (Informative)	19
Tables	
I. General data for Types H07V3-U and H07V3-R	8
II. Tests for Types H07V3-U and H07V3-R	9
III. General data for Type H07V3-K	11
IV. Tests for Type H07V3-K	12
V. General data for Types IE-N05V3V3-F and IE-N05V3V3H2-F	15
VI. Tests for Types IE-N05V3V3-F and IE-N05V3V3H2-F	16

I.S. 201:Part 9:2001

## FOREWORD

This Irish Standard Specification, I.S. 201: Part 9:2001, was prepared by the National Standards Authority of Ireland on the basis of a submission from Technical Committee No. 14 which is a Technical Subcommittee of the Electro-Technical Council of Ireland. The Electro-Technical Council of Ireland Limited is the national body responsible for the harmonization of standards in the field of electro-technology and represents Ireland in IEC and CENELEC.

I.S. 201 now has the following parts:

- I.S. 201: Part 1 - General requirements
- I.S. 201: Part 2 - Test methods
- I.S. 201: Part 3 - Non-sheathed cables for fixed wiring
- I.S. 201: Part 4 - Sheathed cables for fixed wiring
- I.S. 201: Part 5 - Flexible cables (cords)
- I.S. 201: Part 6 - (Spare)
- I.S. 201: Part 7 - Cables with increased heat resistance.
- I.S. 201: Part 8 - Single core non-sheathed cables for decorative chains
- I.S. 201: Part 9 - Cables for installation at low temperatures
- I.S. 201: Part 10 - Extensible leads
- I.S. 201: Part 11 - Cables for luminaires
- I.S. 201: Part 12 - Heat-resistant flexible cables (cords)
- I.S. 201: Part 13 - Oil resistant PVC sheathed cables with two or more conductors

In order not to introduce unnecessary changes to long-established clause numbers, the normative references (which would otherwise be inserted as Clause 2) are given in Annex A.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-