

IRISH STANDARD

I.S. 201:Part 9: 2001 ICS 29.060.20

National Standards Authority of Ireland Dublin 9 Ireland

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

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

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 Chaighdeáin 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   |
|------|---|--------|
|      | aration<br>word   | 1<br>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     |
| Anne | ex A: Normative References (Normative)  | 17     |
| Anne | ex B: Bibliography (Informative)  | 18     |
| Anne | ex 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.



| The is a new provider i arenade and chare publication at the limit below | This is a free preview. | Purchase the | entire publication | at the link below: |
|--|-------------------------|--------------|--------------------|--------------------|
|--|-------------------------|--------------|--------------------|--------------------|

**Product Page** 

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