



National Standards Authority of Ireland

IRISH STANDARD

I.S. 202:Part 8:2003

ICS 29.060.20

**CABLES OF RATED VOLTAGES UP TO AND
INCLUDING 450/750V AND HAVING
CROSS-LINKED INSULATION
PART 8: POLYCHLOROPRENE OR
EQUIVALENT SYNTHETIC ELASTOMER
SHEATHED CABLE FOR USE AS
DECORATIVE CHAINS**

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DECLARATION

OF

SPECIFICATION

ENTITLED

CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V

AND HAVING CROSS-LINKED INSULATION

PART 8: POLYCHLOROPRENE OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED CABLE FOR USE AS
DECORATIVE CHAINS

AS

THE IRISH STANDARD SPECIFICATION FOR

CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V.

AND HAVING CROSS-LINKED INSULATION

PART 8: POLYCHLOROPRENE OR EQUIVALENT SYNTHETIC ELASTOMER SHEATHED CABLE FOR USE AS
DECORATIVE CHAINS

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 (Cables of rated voltages up to and including 450/750V and having cross-linked insulation Part 8: Polychloroprene or equivalent synthetic elastomer sheathed cable for use as decorative chains) Declaration, 2003.
2. (1) The Specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Cables of rated voltages up to and including 450/750V and having cross-linked insulation Part 8: Polychloroprene or equivalent synthetic elastomer sheathed cable for use as decorative chains.

(2) The said standard specification may be cited as Irish Standard 202:Part 8:2003 or as I.S. 202:Part 8:2003.
3. (1) The Standard Specification, (Rubber Insulated Cable and Flexible Cords of Rated Voltage up to and including 450/750V) Declaration 1989, is hereby revoked.

(2) Reference in any other standard specification to the Instrument hereby revoked and to Irish Standard 202:1989 thereby prescribed, shall be construed, respectively, as references to this Instrument and to Irish Standard 202:2003

FOREWORD

The Irish Standard Specification I.S. 202: Part 8:2003, 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 ETCI 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. 202 now has the following parts:

- I.S. 202:Part 1 - General requirements
- I.S. 202:Part 2 - Test methods
- I.S. 202:Part 3 - Heat resistant silicone rubber insulated cables
- I.S. 202:Part 4 - Cords and flexible cables
- I.S. 202:Part 5 - (Spare)
- I.S. 202:Part 6 - Arc welding cables
- I.S. 202:Part 7 - Cables with increased heat resistance for internal wiring for a conductor temperature of 110°C
- I.S. 202:Part 8 - Polychloroprene or equivalent synthetic elastomer sheathed cable for use as decorative chains
- I.S. 202:Part 9 - Single core non-sheathed cables for fixed wiring having low emission of smoke and corrosive gases
- I.S. 202:Part 10 - EPR insulated and polyurethane sheathed flexible cables
- I.S. 202:Part 11 - EVA cords and flexible cables
- I.S. 202:Part 12 - Heat resistant EPR cords and flexible cables
- I.S. 202:Part 13 - Single and multicore flexible cables, insulated and sheathed with crosslinked compound and having low emission of smoke and corrosive gases
- I.S. 202:Part 14 - Cords for applications requiring high flexibility
- I.S. 202: Part 15 - Multicore cables insulated and shielded with heat-resistant silicone rubber
- I.S. 202: Part 16 - Water resistant polychloroprene or equivalent synthetic elastomer sheathed cables

In order that this revision of Part 8 of I.S. 202 does not introduce unnecessary changes to long-established clause numbers, the Normative References (which would otherwise be inserted as clause 2) are given in Annex A.

Schedule

Cables of rated Voltages up to and including 450/750V and having cross-linked insulation Part 8 : Polychloroprene or Equivalent Synthetic Elastomer Sheathed Cable for use as Decorative Chains

1. Scope

This Part 8 of the Standard details the particular requirements for rubber insulated, polychloroprene, or other equivalent synthetic elastomer, sheathed cable of rated voltage U_o/U not exceeding 300/500V for use as decorative chains.

Each cable shall comply with the appropriate requirements given in Part 1 of this Standard and the particular requirements of this Part.

NOTE: The overall dimensions in this Part of I.S. 202 have been calculated in accordance with I.S. EN 60719.

2. Polychloroprene or equivalent synthetic elastomer, sheathed cable for decorative chains

2.1 Code designation

H05RN-F for single core cables
H05RNH2-F for flat two core cables

2.2 Rated voltage

300/500V

2.3 Construction

2.3.1 Conductor

Number of conductors: 1 or 2

The conductors shall comply with the requirements given in I.S. 270 for Class 5 conductors. The wires may be plain or tinned.

2.3.2 Separator

A separator of suitable material may be applied around each conductor.

2.3.3 Insulation

The insulation shall be rubber compound of the type EI 4 applied around each conductor.

The insulation shall be applied by extrusion.

The insulation thickness shall comply with the specified value given in Table I, column 2 of this Part.

2.3.4 Assembly of cores

The cores of the two core cables shall be laid in parallel. The distance between the centre of conductors shall comply with the mean values given in Table I, columns 3 and 4 of this Part.

2.3.5 Sheath

The sheath shall be rubber compound of type EM 2 applied around the core.

The sheath shall be applied as follows:-

(a) for single core cables

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