



CSA C22.2 No. 291:24
National Standard of Canada



Bare and covered ferrules



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***CSA C22.2 No. 291:24
December 2024***

Title: *Bare and covered ferrules*

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ICS 29.120.20

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Foreword

CSA Group develops and maintains standards-based solutions across a broad range of topics, most of which support the United Nations Sustainable Development Goals (UN SDGs) towards shaping a sustainable and resilient future.

Through a robust mapping process, connections between CSA C22.2 No. 291:24 and the following SDGs have been identified:

SDG		
Targets	7.1	9.1

CSA C22.2 No. 291:24 has notable linkages with the following SDGs:

- SDG 7: *Affordable and Clean Energy*
- SDG 9: *Industry, Innovation, and Infrastructure*

For further information on CSA Group's SDG Mapping initiative, please visit:

<https://www.csagroup.org/sdg/>

Note: It is important to note that although some standards-based solutions explicitly support SDG targets, not all standards and documents link to the SDGs. Users of CSA documents should always take care and be specific when claiming their support of SDGs through the use of standards and other documents. The SDG mapping outcomes made available by CSA Group are intended to assist users in their evaluation of how the application of a standard or other document can support their work towards SDG achievement.

Bare and Covered Ferrules

Third Edition, Dated December 9, 2024

Summary of Topics

This new Third Edition dated December 9, 2024 extends the Scope to include large ferrules.



CSA Group
CSA C22.2 No. 291:24
Third Edition



ULSE Inc.
UL 486F
Third Edition

Bare and Covered Ferrules

December 9, 2024



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This standard is issued jointly by the Canadian Standards Association (operating as “CSA Group”) and ULSE Inc. (ULSE). Comments or proposals for revisions on any part of the standard may be submitted to CSA Group or ULSE at anytime. Revisions to this standard will be made only after processing according to the standards development procedures of CSA Group and ULSE. CSA Group and ULSE will issue revisions to this standard by means of a new edition or revised or additional pages bearing their date of issue.

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This ANSI/UL Standard for Safety consists of the Third Edition.

The most recent designation of ANSI/UL 486F as an American National Standard (ANSI) occurred on December 9, 2024. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page (front and back), or the Preface.

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CONTENTS

PREFACE 5

1 Scope 7

2 Normative References 7

3 Units of Measurement 8

4 Definitions 8

5 General Requirements 8

6 Symbols and Abbreviations 8

7 Construction 9

 7.1 General 9

 7.2 Materials 19

 7.3 Flammability 19

 7.4 Thermal properties 20

8 Test Requirements 20

 8.1 General 20

 8.2 Tensile test 20

 8.3 Mold stress relief 20

 8.4 Dielectric voltage-withstand 20

9 Sampling Requirements 20

 9.1 General 20

 9.2 Tensile test 20

 9.3 Mold stress test 20

 9.4 Dielectric voltage-withstand 20

10 Test Methods 21

 10.1 General 21

 10.2 Tensile test 21

 10.3 Mold stress test 22

 10.4 Dielectric voltage-withstand test 22

11 Markings and Installation Instructions 24

 11.1 Markings 24

 11.2 Installation instructions 24

 11.3 Electronic media 24

ANNEX A – Conductor Stranding (Informative)

No Text on This Page

PREFACE

This is the harmonized CSA Group and ULSE standard for Bare and Covered Ferrules. It is the third edition of CSA C22.2 No. 291 and the third edition of UL 486F. This edition of CSA C22.2 No. 291 supersedes the previous editions published in 2019 and 2014.

This harmonized standard was prepared by CSA Group and ULSE. The efforts and support of the Technical Harmonization Subcommittee, CANENA Technical Harmonization Committee 99 – Electrical Connectors of the Council on the Harmonization of Electrotechnical Standards of the Nations of the Americas (CANENA), are gratefully acknowledged.

This standard is considered suitable for use for conformity assessment within the stated scope of the standard.

This standard was reviewed by the CSA Integrated Committee on Electrical Connectors, under the jurisdiction of the CSA Technical Committee on Wiring Products and the CSA Strategic Steering Committee on Requirements for Electrical Safety, and has been formally approved by the CSA Technical Committee. This standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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Where reference is made to a specific number of samples to be tested, the specified number is to be considered a minimum quantity.

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Reasons for differences from IEC

At present there is no IEC standard for bare and covered ferrules. Therefore, this standard does not employ any IEC standard for base requirements.

Interpretations

The interpretation by the standards development organization of an identical or equivalent standard is based on the literal text to determine compliance with the standard in accordance with the procedural rules of the standards development organization. If more than one interpretation of the literal text has been identified, a revision is to be proposed as soon as possible to each of the standards development organizations to more accurately reflect the intent.