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**STANDARD METHOD OF TEST FOR FIRE AND SMOKE
CHARACTERISTICS OF ELECTRICAL WIRING, CABLES AND
NON-METALLIC RACEWAYS**

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STANDARD METHOD OF TEST FOR FIRE AND SMOKE CHARACTERISTICS OF ELECTRICAL WIRING, CABLES AND NON-METALLIC RACEWAYS

PREFACE

This is the Fourth Edition of the Standard Method of Test for Fire and Smoke Characteristics of Electrical Wiring, Cables and Non-Metallic Raceways, CAN/ULC-S102.4.

This Edition of the Standard was developed by the ULC Standards Task Group on Surface Burning Characteristics and has been formally approved by the ULC Standards Committee on Fire Tests.

This Standard has been developed in compliance with the requirements of SCC for accreditation of a Standards Development Organization.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendix A, identified as Informative, are for information purposes only.

The requirements of this Standard have been used as the basis for certifying cables without metallic conduit and non-metallic raceways as acceptable for use in plenums. This test method is used to determine if a cable or non-metallic raceway qualifies for an FT-6 classification as specified in CSA C22.2 No. 0.3, Test Methods for Electrical Wires and Cables or in CAN/CSA C22.2 No. 262, Optical Fiber Cable and Communication Cable Raceway Systems.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the possibility that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages.

This Fourth Edition National Standard of Canada is based on, and now supersedes, the Third Edition.

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

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

The review and action to revise or reaffirm this Standard will not exceed 5 years from the date of publication, unless the Standard is identified as fitting within a stabilized category, whereby the review will commence within the appropriate time frame set out by ULC Standards.

This Standard is intended to be used for conformity assessment.