



UL 209

STANDARD FOR SAFETY

Cellular Metal Floor Raceways and Fittings

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UL Standard for Safety for Cellular Metal Floor Raceways and Fittings, UL 209

Tenth Edition, Dated December 20, 2011

Summary of Topics

The following revisions are issued as part of the Tenth Edition of UL 209:

1. Addition of the terms cell and trench header

2. Cellular floor units constructed with internal partitions

The revised requirements are substantially in accordance with Proposal(s) on this subject dated October 14, 2011.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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Second Edition – October, 1969
Third Edition – July, 1973
Fourth Edition – April, 1978
Fifth Edition – November, 1981
Sixth Edition – February, 1987
Seventh Edition – November, 1995
Seventh Edition – November, 1995
Eighth Edition – December, 1998
Ninth Edition – November, 2005

Tenth Edition

December 20, 2011

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

The most recent designation of ANSI/UL 209 as an American National Standard (ANSI) occurred on December 20, 2011. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

The Department of Defense (DoD) has adopted UL 209 on May 18, 1987. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <http://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements cover cellular metal floor raceway systems intended to be installed as an integral part of the building structure and constructed for the installation of wires and cables in accordance with the National Electrical Code (NEC), NFPA 70.

1.2 These requirements do not cover rigid or flexible conduit, surface metal raceways and fittings, underfloor raceways and fittings, or other products of a similar nature.

1.3 These requirements do not cover the structural aspects or properties of cellular metal floor units – their load-carrying and fire-resistant capabilities or their physical dimensions with relation to mechanical strength.

1.4 Cellular metal floor raceways consist of the hollow spaces in cellular metal floors and associated fittings that serve as enclosures for wires and cables. A duct or cell is a single enclosed tubular space in a cellular floor unit with a longitudinal axis parallel to the longitudinal axis of the floor units. Header duct is an enclosed transverse wire raceway that, by providing access to predetermined cells of a cellular metal floor, facilitates the installation of wiring from a distribution center to the cells. Cellular metal floor raceway is always installed with concrete poured over the raceway and may be installed on top of a concrete slab.

Trench header is a transverse wire raceway that provides access to all cells of the cellular floor units it crosses. Trench header allows lay-in wiring along its length by providing removable cover plates at its top surface. Trench header may be the bottomless type allowing direct access for wiring into cells with factory punched holes or it may incorporate a bottom pan requiring field cut entry holes into cells.

2 General

2.1 Undated references

2.1.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

2.2 Units of measurement

2.2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

2.2.2 Unless otherwise indicated, all voltage and current values mentioned in this standard are root-mean-square (rms).