

IEEE Standard for Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies

Sponsor
**Power Systems Engineering Committee
of the
Industry Applications Society**

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Abstract: A test protocol and the performance criteria to determine the flame propagation tendency of cables in a vertical cable tray. It applies to single insulated and multiconductor cables is established. The test consists of exposing cable samples to a theoretical 20 kW (70 000 Btu/hr) flaming ignition source for a 20 min duration. The test facility, test sample requirements, test procedure, and evaluation of results are covered.

Keywords: cable flame testing, cable tray, flame test facility, flame testing of cables

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Foreword

(This Foreword is not a part of IEEE Std 1202-1991, IEEE Standard for Flame Testing of Cables for Use in Cable Tray in Industrial and Commercial Occupancies.)

This standard was prepared by the Tray Cable Flame Test Working Group of the Power Equipment Subcommittee of the Power Systems Engineering Committee of the IEEE Industry Applications Society. Members of this Working Group represent a cross-section of the affected parties including industrial and commercial users, material suppliers, cable manufacturers, consulting engineers, testing laboratories, and insurance companies.

The Insulated Conductors Committee of the IEEE Power Engineering Society also reviewed and endorsed this standard.

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