



New Standard - ANSI/TIA/EIA-568-B.1, 2, & 3

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For the past ten years, the ANSI/TIA/EIA-568 standard has been in use by many end users, consultants, and manufacturers for the purpose of assuring that products from a variety of manufacturers will all work together in meeting appropriate system applications.

Since the original publication of ANSI/TIA/EIA-568 in July of 1991, the office environment has undergone a period of rapid change marked by the growth of increasingly powerful PC's, access to more sophisticated applications and the need to interconnect different systems. These changes have placed increased demands on the transmission capacity of premise cabling. This growing trend has led to the development of enhanced transmission characteristics in cabling systems.

A new published Standards document ANSI/TIA/EIA-568-B.1 replaces the current Standards document ANSI/TIA/EIA-568-A dated October 6, 1995.

The new Standard incorporates and updates the technical content of the following documents

- TSB67 — Transmission Performance Spec for Field Testing of UTP Cabling System
- TSB72 — Centralized Optical Fiber Cabling
- TSB75 — Additional Horizontal Cabling Practices for Open Offices
- TSB95 — Additional Transmission Performance Guidelines for 4-pair Category 5 Cabling
- TIA/EIA-568-A-1 — Propagation Delay & Delay Skew
- TIA/EIA-568-A-2 — Connections & Additions to TIA/EIA-568-A
- TIA/EIA-568-A-3 — Addendum No. 3 to TIA/EIA-568-A
- TIA/EIA-568-A-4 — Production Modular Cord NEXT Loss Test Method and Requirements for UTP
- TIA/EIA-568-A-5 — Transmission Performance Specifications for 4-pair Category 5e Cabling
- TIA/EIA/IS-729 — Technical Spec for 100 Ω Screened Twisted-Pair Cabling

The significant technical changes are as follows:

- Incorporation of the above-mentioned TSBs, Addenda, and Interim standards
- The ANSI/TIA/EIA-568-A Standard has been reorganized into three technical Standards; ANSI/TIA/EIA-568-B.1 addresses only cabling system requirements, ANSI/TIA/EIA-568-B.2 addresses copper components, and ANSI/TIA/EIA-568-B.3 addresses fiber components.
- Category 5 is no longer recognized, and has been replaced by Category 5e
- Performance specifications are provided for Category 5e
- Performance specifications are provided for 50/125 μm optical fiber and cables
- Small Form Factor (SFF) optical fiber connector designs are allowed in addition to the 568SC
- The term 'telecommunications closet' has been replaced with 'telecommunications room'
- The 'permanent link' has replaced the 'basic link' as the test configuration

ANSI/TIA/EIA-568-B.1 Standard addresses commercial building cabling for telecommunications products and services. All three standards may be reviewed and updated independently, with the latest revision taking precedence over its previous edition.

The above standards could be purchased through *Global Engineering Documents* at 800-854-7179 or through web site www.global.his.com.

- ANSI/TIA/EIA-568-B.1 — General Requirements
- ANSI/TIA/EIA-568-B.2 — 100-Ohm Balanced Twisted-Pair Cabling Standard
- ANSI/TIA/EIA-568-B.3 — Optical Fiber Cabling Component Standard