



## Twisted-Pair (Balanced) Cabling

The four categories of transmission performance specified for cables, connecting hardware and links are:

### Category 3

Transmission characteristics are specified up to 16 MHz.

#### Description

Meets applicable Category 3 ANSI/TIA/EIA-568-A (including addenda A-1, A-2 & A-3), TSB67 and Class C requirements of ISO/IEC 11801 (including amendments A.1 & A.2).

### Category 5

Transmission characteristics are specified up to 100 MHz.

#### Description

Meets applicable Category 5 ANSI/TIA/EIA-568-A (including addenda A-1, A-2 & A-3), TSB67 and TSB95, and Class D requirements of ISO/IEC 11801 (including amendments A.1 & A.2).

### Category 5e

Transmission characteristics are specified up to 100 MHz.

#### Description

Performs to Category 5e addendum 5 to ANSI/TIA/EIA-568-A and additional Class D requirements of amendment 2 of ISO/IEC 11801.

### Category 6\*

Transmission characteristics will be specified up to 250 MHz.

#### Description

Performs to Category 6\* and Class E requirements under development by TIA and ISO/IEC.

\*Category 6 industry standards are currently under development

## FCC Part 68 Ruling

FCC adopts quality wiring standard for connecting telephone equipment to the telecommunications network.

FCC established minimum telephone inside wiring quality standards.

The commission's new rules require:

- New copper inside wiring installations be at a minimum solid 24 AWG or thicker and twisted pairs marked to indicate compliance with the electrical specifications for Category 3 or higher.
- Category marking shall appear every 12 inches minimum.

The commission anticipates that the new standard will be adopted by building industry organizations and reflected in local building codes as well.