

specifications

Category 6 PLUS Cable shall far exceed ANSI/TIA/EIA-568-B.2-1 Category 6 and ISO/IEC 11801 Class E standards. The conductors shall be 23 AWG construction with FEP (plenum) or polyethylene (non-plenum) insulation. The copper conductors shall be twisted in pairs and four pairs shall be laid into a flame retardant PVC jacket and separated by a spline.



technical information

Cable specifications:	Superior performance exceeds all Category 6 standard requirements
Channel specifications:	Exceeds all Category 6 standard requirements when used as part of the TX6500™ Copper Cabling System
Flame rating:	Riser - meets NEC type CMR (UL) - FT4 rated Plenum - meets NEC type CMP (UL) - FT6 rated
Installation tension:	25 lbs. (110 N) maximum
Colors:	Riser - Blue or White Plenum - Blue or White
Temperature rating:	32 to 140°F (0 to 60°C) during installation, 14 to 140°F (-10 to 60°C) during operation
Conductor/cable diameter (effective):	Riser - .024 in. (.609mm)/.260 in. (6.6mm) Plenum - .024 in. (.609mm)/.250 in. (6.4mm)
Packaging:	1,000 ft. (305m), 40 - 42 lbs. (18.1 - 19kg) Packaging tested to ISTA Procedure 1A

key features and benefits

Category 6 PLUS performance tested to 650 MHZ	Superior headroom performance ensures extended capability for future network applications
Reduced attenuation	Maximizes the amount of signal that reaches the receiver and increases bandwidth
Cross-spline is provided to separate pairs	Separates individual pairs to maintain and ensure exceptional cable performance
Reel in a box package	Minimizes likelihood of cable damage during transport and installation
"Descending length" cable markings	Easy identification of remaining cable reduces installation time
Individual conductor markings	Eases termination and installation

applications

PANDUIT® TX6500™ Category 6 PLUS UTP Cable is compatible with all PANDUIT Category 6 products and is intended for use with the following systems: IEEE 802.3;

ATM 622 Mb/s; 1.2 Gbps ATM; ANSI X3.263; Ethernet 10BASE-T, 100BASE-TX and 1000BASE-T (Gigabit Ethernet); Digital Video and broadband/baseband analog video.

TX6500™ Copper Cabling System

TX6500™ Category 6 PLUS UTP Cable

Riser (CMR):	PUR6504BU-U PUR6504WH-U
Plenum (CMP):	PUP6504BU-U PUP6504WH-U

MINI-COM® TX6™ PLUS Jack Module

Universal wiring: CJ688TP**

DP6™ PLUS Patch Panels

12 port:	DP12688TP
24 port:	DP24688TP
48 port:	DP48688TP
96 port:	DP96688TP

TX6™ PLUS Category 6 Patch Cords (White)^

3 feet:	UTPSP3
5 feet:	UTPSP5
7 feet:	UTPSP7
10 feet:	UTPSP10
14 feet:	UTPSP14
20 feet:	UTPSP20

Tools

Wire stripping:	CJAST
Wiring snipping:	CWST
Module termination:	CGJT
Punchdown tool:	GPST

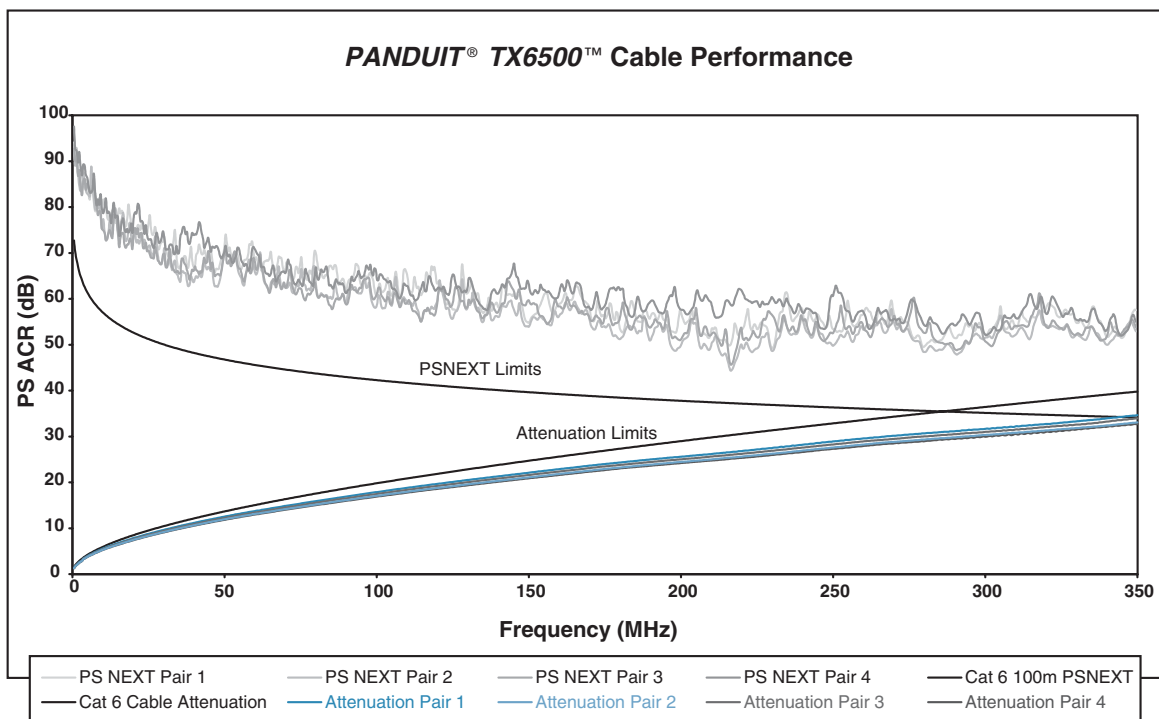
**Substitute for module colors:

IW = Off White	RD = Red
EI = Electric Ivory	BU = Blue
IG = Int'l Gray	GR = Green
WH = White	YL = Yellow
BL = Black	VL = Violet
OR = Orange	BR = Brown

^ For additional standard patch cord colors available from stock, add suffix BL (Black), BU (Blue), GR (Green), RD (Red) or YL (Yellow) to end of part number.

^ For non-standard lengths up to 20 feet (increments of 1 foot) change the length designation in the part number to the desired length.

PANDUIT® TX6500™ Cable Performance



Additional TIA/EIA-568-B Specifications

Mechanical Test	PANDUIT Exceeds Industry Specifications
Ultimate Breaking Strength	>400 N (90 lb _f)
Minimum Bend Radius	25.4mm (1.0 in)
Electrical Test	PANDUIT Meets Industry Specifications
DC Resistance	<9.38 Ohm per 100m (328 ft)
DC Resistance Unbalance	<5% at 20°C per ASTM D 4566
Mutual Capacitance	<5.6 nF per 100m (328 ft) at 1 kHz and 20°C per ASTM D 4566
Capacitance Unbalance	<330 pF per 100m (328 ft) at 1 kHz and 20°C per ASTM D 4566
Characteristic Impedance	100 Ohm +/- 15% up to 100MHz per ASTM D 4566
Propagation Velocity	>62.1 (at 250MHz) PANDUIT® (CMR - 70%, CMP - 72%)

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