

## specifications

Category 5e UTP cable shall meet or exceed all ANSI/TIA-568-B.2 Category 5e standards, ISO/IEC 11801, Class D and EN 50173. The conductors shall be 24 AWG construction with polyethylene (non-plenum) insulation. The copper conductors shall be twisted in pairs and four pairs shall be laid into a flame retardant PVC (CM) or LS0H jacket.



**NEW!**

## TX 5500<sup>TM</sup> Category 5e UTP Cable

### technical information

<b>Cable specifications:</b>	Meets or exceeds all Category 5e requirements
<b>Channel specifications:</b>	Meets or exceeds all Category 5e requirements when used with TX TWISTED PAIR CABLING SYSTEM <sup>TM</sup>
<b>Flame rating:</b>	General purpose - meets IEC 60332-1 LS0H - meets IEC 60332-1
<b>Installation tension:</b>	80 N maximum
<b>Bend radius:</b>	20mm min. operational 40mm min. installation
<b>Temperature rating:</b>	-10 C - +50 C during installation, -10 C - +40 C during operation
<b>Color/diameter:</b>	Light Gray and Dark Gray/4.9mm
<b>Packaging:</b>	305m, 9.15kg

### key features and ... benefits

<b>Specifically designed to comply with Category 5e performance requirements</b>	Exceptional performance; meets or exceeds all TIA/EIA - 568-B cable performance requirements
<b>Durable 80N installation tension</b>	Minimizes likelihood that cable will be physically damaged
<b>20mm in minimum bend radius</b>	Complies with industry standard cable management and raceway

### applications

PANDUIT<sup>TM</sup> Category 5e UTP cable is compatible with all PANDUIT MINI-COM<sup>TM</sup> Category 5e products and is intended for use with the following systems: ATM 155 Mb/s; ANSI X3.263; 100Mb/s; Ethernet 10BASE-T; 100BASE-TX; 1000BASE-T;

and Token Ring 4/16. PANDUIT Category 5e UTP cable can be used in voice and data applications as well as with PANDUIT RCA and S-Video 110 Punchdown Modules.

### TX 5500 Category 5e UTP Cables

<b>General Purpose (CM):</b>	PUC5504LG-E
<b>Low Smoke Zero Halogen (LS0H):</b>	PUL5504WH

### MINI-COM TX-5e<sup>TM</sup> Module

<b>Universal wiring:</b>	CJ5E88T**
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### MINI-COM MINI-JACK Category 5e Module

<b>Universal wiring:</b>	CJ588**
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### Patch Panels

<b>12 port:</b>	DP125E88110U
<b>24 port:</b>	DP245E88110U
<b>48 port:</b>	DP485E88110U
<b>96 port:</b>	DP965E88110U
<b>24 port:</b>	CPP24WBL
<b>32 port:</b>	CPP32WBL
<b>48 port:</b>	CPP48WBL

### Powersum+<sup>TM</sup> Category 5e Patch Cords

<b>1 meter:</b>	UTPCH1M
<b>2 meters:</b>	UTPCH2M
<b>3 meters:</b>	UTPCH3M
<b>5 meters:</b>	UTPCH5M

For patch cord colors other than Off White add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), VL (Violet) or OR (Orange) after part number.

### Tools

<b>Wire stripping:</b>	CJST
<b>Wire snipping:</b>	CWST

**\*\*Substitute:** AW = Arctic White  
 EI = Electric Ivory  
 IG = International Gray  
 WH = White  
 BL = Black  
 OR = Orange  
 RD = Red

### installer tip

**For best performance, minimize conductor untwist by using MINI-COM TX-5e Modules**

## PANDUIT™ Category 5e Cable Electrical Characteristics

FREQUENCY (MHz)	Attenuation (max. dB/100m)	NEXTpr/pr dB	ACR dB/100 m	P.Sum NEXT dB	ELFEXT pr/pr dB/100 m	PS EL-FEXT dB/100 m	RL dB
1.0	2.0	65.3	63.3	62.3	63.8	60.8	20
4.0	4.1	56.3	52.1	53.3	51.8	48.8	23
10.0	6.5	50.3	43.8	47.3	43.8	40.8	25
16.0	8.2	47.3	39.0	44.3	39.7	36.7	25
20.0	9.3	45.8	36.5	42.8	37.7	34.7	25
31.25	11.7	42.9	31.2	39.9	33.9	30.9	23.6
62.5	17.0	38.4	21.4	35.4	27.8	24.8	21.5
100.0	22.0	35.3	13.3	32.3	23.8	20.8	20.1

\*Data reported above 100MHz are for reference only.

### Additional Specifications

Mechanical Test	PANDUIT Meets Industry Specifications
Diameter of Insulated Conductor	.9mm
Minimum Bend Radius	20mm min. operational
Electrical Test	PANDUIT Meets Industry Specifications
Characteristic Impedance	(Ohm) - 100 +/- 15
Propagation velocity	Industry $\geq 62.0$ @ 100 MHz PANDUIT

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