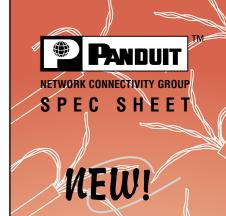
### specifications

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 LSOH jacket.





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

#### technical information

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

# key features and ...benefits

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

# applications

PANDUIT™ Category 5e UTP cable is compatible with all PANDUIT MINI-COM™ 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

General Purpose

(CM):

Low Smoke Zero Halogen (LSOH): PUC5504LG-E PUL5504WH

MINI-COM TX-5e™ Module

Universal wiring: CJ5E88T\*\*

Mini-Com Mini-Jack Category 5e Module

Universal wiring: CJ588\*\*

#### Patch Panels

12 port:	DP125E88110U
24 port:	DP245E88110U
48 port:	DP485E88110U
96 port:	DP965E88110U
24 port:	CPP24WBL
32 port:	CPP32WBL
48 port:	CPP48WBL

#### Powersum+™ Category 5e Patch Cords

1 meter: UTPCH1M
2 meters: UTPCH2M
3 meters: UTPCH3M
5 meters: 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

Wire stripping: CJST Wire snipping: CWST

\*\*Substitute:

AW = Arctic White EI = Electric Ivory IG = International Gray WH = White BL = Black OR = Orange

OR = Orange RD = Red

# installer tip

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

Visit our website at: www.panduit.com/ncg

# 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

<sup>\*</sup>Data reported above 100MHz are for reference only.

## Additional Specifications

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

Our products are warranted to be free from defects in material and workmanship at the time of sale but our obligation under this warranty is limited to the replacement of any product proved to be defective within 6 months (for product) or 90 days (for tools) from the date of delivery. Tool warranty is void if Panduit tools are modified, altered or misused in any way. Use of Panduit tooling with any product other than the specified Panduit products for which the tool was designed, constitutes misuse. Before using, user shall determine the suitability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith



PANDUIT EUROPE LTD West World Westgate London W5 1XP

Phone: +44 (0) 208 601 7200 Fax: +44 (0) 208 601 7319

Website: www.panduit.com

This warranty is made in lieu of and excludes all other warranties, expressed or implied. THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE ARE SPECIFICALLY EXCLUDED. Neither seller nor manufacturer shall be liable for any other injury, loss or damage whether direct or consequential, arising out of the use of, or the inability to use, the product.

The information contained in this literature is based on our experience to date and is believed to be reliable It is intended as a guide for use by persons having technical skill at their own discretion and risk. We do not quarantee favorable results or assume any liability in connection with its use. Dimensions contained herein are for reference purposes only. For specific dimensional requirements consult the factory. This publication is not to be taken as a license to operate under, or a recommendation to infringe any existing patents. This supersedes and voids all previous literature, etc

For Pricing and Further Information -Contact your local authorized PANDUIT PAN-NET™ Distributor or Sales Office