

specifications

Category 6 UTP cable shall meet or exceed ISO/IEC 11801-2001, Class E, IEC 46C/462 PAS 61156-5 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 and separated by a spline.



NEW!

TX 6000TM Category 6 UTP Cable

technical information

Cable specifications:	Meets all ISO/IEC 11801 - 2001 requirement
Channel specifications:	Meets all ISO/IEC 11801 - 2001 requirements when used with TX TWISTED PAIR CABLING SYSTEM TM
Flame rating:	General Purpose - meets IEC 60332-1 LS0H - meets IEC 60332-1
Installation tension:	100 N maximum
Bend radius:	26 mm minimum - operational 52 mm minimum - installation
Temperature rating:	-10' C/+50' C installation, -10' C/+40' C operation
Color/diameter:	Light Gray/Dark Gray/6.5 mm
Packaging:	305m, 13.46 kg

key features and ...benefits

ISO/IEC 11801 - 2001 performance. Tested to 350MHz	FUTURE READY — accepts next generation applications Lower bit error rates, higher network efficiency
Reduced attenuation	Maximizes the amount of signal that reaches the receiver and increases bandwidth
Filler is provided to separate pairs	Improves predictability of cable performance and overall performance
Durable 100 N installation tension	Minimizes likelihood that cable will be physically damaged
26 mm in minimum bend radius	Can be used with industry standard cable management and raceway

applications

PANDUITTM Category 6 UTP cable is compatible with all PANDUIT MINI-COM Category 6 products and is intended for use with the following systems: IEEE

802.3; ATM 155 Mb/s; ANSI X3.263; 100Mb/s; and Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 1000BASE-T.

TX 6000 Category 6 UTP Cables

General Purpose (CM):	PUC6004LG-E
Low Smoke Zero	
Halogen (LS0H):	PUL6004DG-E

Mini-ComTM TX-6TM T3 Module

Universal wiring:	CJ688T3**
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Patch Panels

24 port:	DP24688WGP
48 port:	DP48688WGP
96 port:	DP96688WGP
24 port:	CPP24WBL
32 port:	CPP32WBL
48 port:	CPP48WBL

TX-6 Patch Cords

1 meter:	UTPCTG1M
2 meters:	UTPCTG2M
3 meters:	UTPCTG3M
4 meters:	UTPCTG4M
5 meters:	UTPCTG5M
10 meters:	UTPCTG10M

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

Tools

Wire stripping:	CJST
Wire snipping:	CWST

****Substitute:**
AW = Arctic White
IW = International White
EI = Electric Ivory
IG = International Gray
WH = White
BL = Black
OR = Orange
RD = Red
BU = Blue
GR = Green
YL = Yellow
VL = Violet
PW = Polar White

installer tip

**For best performance,
minimize conductor
untwist by using
MINI-COM TX-6 T3
Modules**

PANDUIT™ Category 6 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	74.3	72.3	72.3	75.3	73.3	23
4.0	3.8	65.3	61.5	63.3	63.3	60.3	23
10.0	6.0	59.3	53.4	57.3	55.3	52.3	25
16.0	7.6	56.3	48.7	54.3	51.2	48.2	25
20.0	8.5	54.8	46.3	52.8	49.3	46.3	25
31.25	10.6	51.9	41.2	49.9	45.4	42.4	26
62.5	15.3	47.4	32.1	45.4	39.4	36.4	23
100.0	19.6	44.3	24.7	42.3	35.3	32.3	23
155.0	24.8	41.5	16.6	39.5	31.5	28.5	21.1
200.0	28.6	39.8	11.2	37.8	29.3	26.3	20
250.0	32.3	38.3	6.1	36.3	27.3	24.3	19
300.0	35.7	37.2	1.4	35.2	25.8	22.8	18.2
350.0	39.0	36.2	—	34.2	24.4	21.4	17.6

*Data reported above 100MHz are for reference only.

Additional ANSI/EIA/TIA-568-B Specifications

Mechanical Test	PANDUIT Meets Industry Specifications
Diameter of Insulated Conductor	1.02 mm
Minimum Bend Radius	26 mm
Electrical Test	PANDUIT Meets Industry Specifications
DC Resistance	70 (Ohm/km)
Mutual Capacitance	56 (nF/km)
Characteristic Impedance	100 +/- 15 (Ohm)
Propagation velocity	Industry ≥62.1 @ 250 MHz PANDUIT (68%)

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