Cat6 UTP Panel-Mount Patch Cord, 24AWG

Technical Data Sheet   CableMAX Model No. CM-10077XXXBSTK

STANDARD COMPLIANCES

All Category 6 Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards
ANSI/TIA-568.2-D Cat.6

ISO/IEC 2nd Edition 11801 Class D
CENELEC EN 50173-1
IEC 61156-6, CENELEC EN 50288-3-2 for patch cable
Flame Retardancy is Verified According to IEC 60332-1-2
We Implemented RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

CONSTRUCTION AND CHARACTERISTICS

Item		Unit	Specified Value
Conductor	Wire No.	---	
	Material	---	B Copper
	Size	AWG	24
	Construction	No./mm	7/0.196±0.008
Insulation	Material	---	H
	Dia.(Approx.)	mm	0.97±0.
	Color	---	P1 Blue、White/Blue；P2 Orange、White/Orange；P3 Green、White/Green；P4 Brown、White/Brown
Cross	Material	---	HDPE
Jacket	Material	---	PVC
	Color	---	Upon your request
	Dia.(Approx.)	mm	6.8±0.3
Marking	No Marking		
	Or upon your request		

PARAMETERS

ITEM	Spec. Value
Operating Temperature	-20~+60℃
Conductor Resistance (At 20℃)	Max. 87.6 Ω/km
Propagation Delay Skew	≤ 50 ns
Delay	≤ 555 ns
Flammability Test	CM

Technical Performance (50M TIA Cat 6A Channel Test PASS at 20℃) :

Frequency (MHz)	Return Loss (≥dB)	Insertion Loss (≤dB)	NEXT (≥dB)	ACR-N (≥dB)	ACR-F (≥dB)	PS NEXT (≥dB)	PS ACR-N (≥dB)	PS ACR-F (≥dB)
1	19.0	2.0	65.0	62.0	63.3	62.0	59.0	60.3
4	19.0	4.0	63.0	59	51.2	60.5	56.5	48.2
8	19.0	5.7	58.2	52.5	45.2	55.6	49.9	42.2
10	19.0	6.3	56.6	50.2	43.3	54.0	47.7	40.3
16	18.0	8.0	53.2	45.2	39.2	50.6	42.6	36.2
20	17.5	9.0	51.6	42.6	37.2	49.0	39.9	34.2
25	17.0	10.1	50.0	39.9	35.3	47.3	37.2	32.3
31.25	16.5	11.4	48.4	37	33.4	45.7	34.3	30.4
62.5	14.0	16.5	43.4	26.9	27.3	40.6	24.1	24.3
100	12.0	21.3	39.9	18.6	23.3	37.1	15.8	20.3
200	9.0	31.5	34.8	3.3	17.2	31.9	0.3	14.2
250	8.0	35.9	33.1	-2.	15.3	30.2	-5.	12.3

Value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using
the formula:
$NEXT(f\ MHZ) \geqq NEXT(0.772)-15LOG10(f\ MHZ/0.772)dB$

CONFIGURATION

orange	2	green	3
white/orange		white/green	
blue	1	brown	4
white/blue		white/brown	

INSULATION

JACKETING

CONDUCTOR