Cat.6 UTP Cross Booted Cables Series

Technical Data Sheet **CableMAX Model No.** CM-10072XGYBSTK

Length	Green w/ Grey Wire
3ft.	CM-100723GYBSTK
7ft.	CM-100725GYBSTK
10ft.	CM-100726GYBSTK
15ft.	CM-100727GYBSTK

Specifications

** Information listed represents all cables within this series*

Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.20 mm
	Diameter	Nominal: 1.00 mm
	Colors	Blue/White-Blue Orange/White-Orange
		Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300%
	Unaged Tensile Strength	Min. 1.683 Kgf/mm^2
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.65 mm
	Diameter	Nominal: 7.5 mm
	Color	Assorted Upon Request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kgf/mm^2
	Aging at 100°C for 168Hrs	Min. Elongation Retention: 50%
		Min. Tensile Strength Retention: 75%

Applications

10GBASE-T Ethernet
1000BASE-TX Gigabit Ethernet
ATM CB1G
1000BASE-T Gigabit Ethernet
100VG-AnyLAN
100BASE-TX Fast Ethernet
10BASE-TX Ethernet
155/622 Mbps ATM
100 Mbps TP-PMD
4/16 Mbps Token Ring

Electrical Performance

Dielectric Strength of Insulation		2500 V dc / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ·Km		
Conductor Resistance		Max. 9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedence	64kHz	125Ω ± 20%		
	1~500MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency	Max.Attenuation	NEXT	PSNEXT
	(MHz)	(dB/100 meters)	(dB), Min.	(dB), Min.
	1 MHz	2.5*	74.3*	72.3*
	10 MHz	7.1*	59.3*	57.3*
	100 MHz	23.0*	44.3*	42.3*
	200 MHz	33.1*	39.8*	37.8*
	250 MHz	37.3*	38.3*	36.3*
	300 MHz	41.1*	37.1*	35.1*
	400 MHz	51.2*	35.3*	33.3*
	500 MHz	54.3*	33.8*	31.8*

The asterisked (*) value are for information only. The minimum Next coupling loss for anypair combination at room temperature is to be greater than the value determined using the formula: ***NEXT(f MHZ) ≧ NEXT(0.772)-15LOG10(f MHZ/0.772)dB***

Configuration

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