Cat.5E CMR Non-Boot Patch Cable

Technical Data Sheet **CableMAX Model No.** CM-1003XXXXBSTK

Length	Grey
9ft.	CM-100460GYBSTK
20ft.	CM-100464GYBSTK
35ft.	CM-100467GYBSTK

Specifications

** Information listed represents all cables within this series*

Conductor	Material / Size	Bare Copper / 24AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.17 mm
	Diameter	Nominal: 0.94 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: 5.6 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

1000BASE-T Gigabit Ethernet
10BASE-T, 100BASE-TX Fast Ethernet (IEEE 802.3)
100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
550 MHz Broadband Video
Voice, T1, ISDN

Compliance

All Category 5e Requirements as Per ANSI/TIA, ISO/IEC, and CENELEC EN Standards
ANSI/TIA-568-C.2 Cat.5e
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
UL/cUL Listed
ETL / 3P Certified ANSI/TIA-568-C.2 Category 5e testing safety / performance requirements.

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	772kHz	102Ω ± 15%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.0*	65.3*	62.3*
	4 MHz	4.1*	56.3*	53.3*
	8 MHz	5.8*	51.8*	48.8*
	10 MHz	6.5*	50.3*	47.3*
	16 MHz	8.2*	47.2*	44.2*
	20 MHz	9.3*	45.8*	42.8*
	25 MHz	10.4*	44.3*	41.3*
	31.25 MHz	11.7*	42.9*	39.9*
	62.25 MHz	17.0*	38.4*	35.4*
	100 MHz	22.0*	35.3*	32.3*
	125 MHz	24.9*	33.8*	30.8*

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