Cat.6A UTP Cables Series

Technical Data Sheet   CableMAX Model No. CM-1007XXXXBSTK

Length	Black	Blue	Grey	Green	Orange	Red	White	Yellow	Purple
1ft.	CM-100751BKBSTK	CM-100751BLBSTK	CM-100751GYBSTK	CM-100751GNBSTK	CM-100751ORBSTK	CM-100751RDBSTK	CM-100751WTBSTK	CM-100751YWBSTK	CM-100751PUBSTK
2ft.	CM-100752BKBSTK	CM-100752BLBSTK	CM-100752GYBSTK	CM-100752GNBSTK	CM-100752ORBSTK	CM-100752RDBSTK	CM-100752WTBSTK	CM-100752YWBSTK	CM-100752PUBSTK
3ft.	CM-100753BKBSTK	CM-100753BLBSTK	CM-100753GYBSTK	CM-100753GNBSTK	CM-100753ORBSTK	CM-100753RDBSTK	CM-100753WTBSTK	CM-100753YWBSTK	CM-100753PUBSTK
4ft.	CM-100754BKBSTK	CM-100754BLBSTK	CM-100754GYBSTK	CM-100754GNBSTK	CM-100754ORBSTK	CM-100754RDBSTK	CM-100754WTBSTK	CM-100754YWBSTK	CM-100754PUBSTK
5ft.	CM-100755BKBSTK	CM-100755BLBSTK	CM-100755GYBSTK	CM-100755GNBSTK	CM-100755ORBSTK	CM-100755RDBSTK	CM-100755WTBSTK	CM-100755YWBSTK	CM-100755PUBSTK
6ft.	CM-100756BKBSTK	CM-100756BLBSTK	CM-100756GYBSTK	CM-100756GNBSTK	CM-100756ORBSTK	CM-100756RDBSTK	CM-100756WTBSTK	CM-100756YWBSTK	CM-100756PUBSTK
7ft.	CM-100757BKBSTK	CM-100757BLBSTK	CM-100757GYBSTK	CM-100757GNBSTK	CM-100757ORBSTK	CM-100757RDBSTK	CM-100757WTBSTK	CM-100757YWBSTK	CM-100757PUBSTK
10ft.	CM-100758BKBSTK	CM-100758BLBSTK	CM-100758GYBSTK	CM-100758GNBSTK	CM-100758ORBSTK	CM-100758RDBSTK	CM-100758WTBSTK	CM-100758YWBSTK	CM-100758PUBSTK
15ft.	CM-100759BKBSTK	CM-100759BLBSTK	CM-100759GYBSTK	CM-100759GNBSTK	CM-100759ORBSTK	CM-100759RDBSTK	CM-100759WTBSTK	CM-100759YWBSTK	CM-100759PUBSTK
20ft.	CM-100760BKBSTK	CM-100760BLBSTK	CM-100760GYBSTK	CM-100760GNBSTK	CM-100760ORBSTK	CM-100760RDBSTK	CM-100760WTBSTK	CM-100760YWBSTK	CM-100760PUBSTK
25ft.	CM-100761BKBSTK	CM-100761BLBSTK	CM-100761GYBSTK	CM-100761GNBSTK	CM-100761ORBSTK	CM-100761RDBSTK	CM-100761WTBSTK	CM-100761YWBSTK	CM-100761PUBSTK
35ft.	CM-100762BKBSTK	CM-100762BLBSTK	CM-100762GYBSTK	CM-100762GNBSTK	CM-100762ORBSTK	CM-100762RDBSTK	CM-100762WTBSTK	CM-100762YWBSTK	CM-100762PUBSTK
50ft.	CM-100763BKBSTK	CM-100763BLBSTK	CM-100763GYBSTK	CM-100763GNBSTK	CM-100763ORBSTK	CM-100763RDBSTK	CM-100763WTBSTK	CM-100763YWBSTK	CM-100763PUBSTK
75ft.	CM-100764BKBSTK	CM-100764BLBSTK	CM-100764GYBSTK	CM-100764GNBSTK	CM-100764ORBSTK	CM-100764RDBSTK	CM-100764WTBSTK	CM-100764YWBSTK	CM-100764PUBSTK
100ft.	CM-100765BKBSTK	CM-100765BLBSTK	CM-100765GYBSTK	CM-100765GNBSTK	CM-100765ORBSTK	CM-100765RDBSTK	CM-100765WTBSTK	CM-100765YWBSTK	CM-100765PUBSTK

Specifications

* Information listed represents all cables within this series

Conductor	Material / Size	Bare Copper / 26AWG
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: 7.6 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

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 (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (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