

Cat.6 Shielded Cables Series (SSTP)

Technical Data Sheet

CableMAX Model No. **CM-1008XXXXBSTK**

Digi-Key Series: **CM-10086SS**

Length	Black	Blue	Grey	Green	Orange	Red	White	Yellow	Purple
0.5ft.	CM-100816BKBSTK	CM-100816BLBSTK	CM-100816GYBSTK	CM-100816GNBSTK	CM-100816ORBSTK	CM-100816RDBSTK	CM-100816WTBSTK	CM-100816YWBSTK	CM-100816PUBSTK
1ft.	CM-100801BKBSTK	CM-100801BLBSTK	CM-100801GYBSTK	CM-100801GNBSTK	CM-100801ORBSTK	CM-100801RDBSTK	CM-100801WTBSTK	CM-100801YWBSTK	CM-100801PUBSTK
2ft.	CM-100802BKBSTK	CM-100802BLBSTK	CM-100802GYBSTK	CM-100802GNBSTK	CM-100802ORBSTK	CM-100802RDBSTK	CM-100802WTBSTK	CM-100802YWBSTK	CM-100802PUBSTK
3ft.	CM-100803BKBSTK	CM-100803BLBSTK	CM-100803GYBSTK	CM-100803GNBSTK	CM-100803ORBSTK	CM-100803RDBSTK	CM-100803WTBSTK	CM-100803YWBSTK	CM-100803PUBSTK
4ft.	CM-100800BKBSTK	CM-100800BLBSTK	CM-100800GYBSTK	CM-100800GNBSTK	CM-100800ORBSTK	CM-100800RDBSTK	CM-100800WTBSTK	CM-100800YWBSTK	CM-100800PUBSTK
5ft.	CM-100804BKBSTK	CM-100804BLBSTK	CM-100804GYBSTK	CM-100804GNBSTK	CM-100804ORBSTK	CM-100804RDBSTK	CM-100804WTBSTK	CM-100804YWBSTK	CM-100804PUBSTK
6ft.	CM-100814BKBSTK	CM-100814BLBSTK	CM-100814GYBSTK	CM-100814GNBSTK	CM-100814ORBSTK	CM-100814RDBSTK	CM-100814WTBSTK	CM-100814YWBSTK	CM-100814PUBSTK
7ft.	CM-100805BKBSTK	CM-100805BLBSTK	CM-100805GYBSTK	CM-100805GNBSTK	CM-100805ORBSTK	CM-100805RDBSTK	CM-100805WTBSTK	CM-100805YWBSTK	CM-100805PUBSTK
10ft.	CM-100806BKBSTK	CM-100806BLBSTK	CM-100806GYBSTK	CM-100806GNBSTK	CM-100806ORBSTK	CM-100806RDBSTK	CM-100806WTBSTK	CM-100806YWBSTK	CM-100806PUBSTK
15ft.	CM-100807BKBSTK	CM-100807BLBSTK	CM-100807GYBSTK	CM-100807GNBSTK	CM-100807ORBSTK	CM-100807RDBSTK	CM-100807WTBSTK	CM-100807YWBSTK	CM-100807PUBSTK
20ft.	CM-100815BKBSTK	CM-100815BLBSTK	CM-100815GYBSTK	CM-100815GNBSTK	CM-100815ORBSTK	CM-100815RDBSTK	CM-100815WTBSTK	CM-100815YWBSTK	CM-100815PUBSTK
25ft.	CM-100808BKBSTK	CM-100808BLBSTK	CM-100808GYBSTK	CM-100808GNBSTK	CM-100808ORBSTK	CM-100808RDBSTK	CM-100808WTBSTK	CM-100808YWBSTK	CM-100808PUBSTK
50ft.	CM-100809BKBSTK	CM-100809BLBSTK	CM-100809GYBSTK	CM-100809GNBSTK	CM-100809ORBSTK	CM-100809RDBSTK	CM-100809WTBSTK	CM-100809YWBSTK	CM-100809PUBSTK
75ft.	CM-100810BKBSTK	CM-100810BLBSTK	CM-100810GYBSTK	CM-100810GNBSTK	CM-100810ORBSTK	CM-100810RDBSTK	CM-100810WTBSTK	CM-100810YWBSTK	CM-100810PUBSTK
100ft.	CM-100811BKBSTK	CM-100811BLBSTK	CM-100811GYBSTK	CM-100811GNBSTK	CM-100811ORBSTK	CM-100811RDBSTK	CM-100811WTBSTK	CM-100811YWBSTK	CM-100811PUBSTK
125ft.	CM-100890BKBSTK	CM-100890BLBSTK	CM-100890GYBSTK	CM-100890GNBSTK	CM-100890ORBSTK	CM-100890RDBSTK	CM-100890WTBSTK	CM-100890YWBSTK	CM-100890PUBSTK
150ft.	CM-100812BKBSTK	CM-100812BLBSTK	CM-100812GYBSTK	CM-100812GNBSTK	CM-100812ORBSTK	CM-100812RDBSTK	CM-100812WTBSTK	CM-100812YWBSTK	CM-100812PUBSTK
175ft.	CM-100891BKBSTK	CM-100891BLBSTK	CM-100891GYBSTK	CM-100891GNBSTK	CM-100891ORBSTK	CM-100891RDBSTK	CM-100891WTBSTK	CM-100891YWBSTK	CM-100891PUBSTK
200ft.	CM-100813BKBSTK	CM-100813BLBSTK	CM-100813GYBSTK	CM-100813GNBSTK	CM-100813ORBSTK	CM-100813RDBSTK	CM-100813WTBSTK	CM-100813YWBSTK	CM-100813PUBSTK

Specifications

* Information listed represents all cables within this series

Conductor	Material / Size	Bare Copper / 26AWG
	Material	Foam-Skin PE
Insulation	Thickness	Nominal: 0.27 mm
	Diameter	Nominal: 1.08 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 0.816 Kgf/mm ²
	Screen	Material
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.50 mm
	Diameter	Nominal: 5.7 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)

550MHz Broadband Video

100 VG — AnyLAN (IEEE802.12), 155/622 Mbps ATM

Voice, T1, ISDN

Electrical Performance

Dielectric Strength of Insulation		1500 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	125Ω ± 20%		
	1~125MHz	100Ω ± 15%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max.Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1 MHz	2.4*	74.3*	72.3*
	4 MHz	4.5*	65.3*	63.3*
	10 MHz	7.1*	59.3*	57.3*
	16 MHz	9.7*	56.2*	54.2*
	20 MHz	10.2*	54.8*	52.8*
	31.25 MHz	12.8*	51.9*	49.9*
	62.5 MHz	18.5*	47.4*	45.4*
	100 MHz	23.8*	44.3*	42.3*
	150 MHz	29.7*	41.4*	39.4*
	200 MHz	34.8*	39.8*	37.8*
	250 MHz	39.4*	38.3*	36.3*

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: $NEXT(f\text{ MHz}) \geq NEXT(0.772) - 15\text{LOG}_{10}(f\text{ MHz}/0.772)\text{dB}$

Configuration

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

