

Cat.5E Shielded Cables Series (SSTP)

Technical Data Sheet

CableMAX Model No. **CM-1006XXXXBSTK**

Digi-Key Series: **CM-10065ES**

Length	Black	Blue	Grey	Green	Orange	Red	White	Yellow	Purple
0.5ft.	CM-100614BKBSTK	CM-100614BLBSTK	CM-100614GYBSTK	CM-100614GNBSTK	CM-100614ORBSTK	CM-100614RDBSTK	CM-100614WTBSTK	CM-100614YWBSTK	CM-100614PUBSTK
1ft.	CM-100601BKBSTK	CM-100601BLBSTK	CM-100601GYBSTK	CM-100601GNBSTK	CM-100601ORBSTK	CM-100601RDBSTK	CM-100601WTBSTK	CM-100601YWBSTK	CM-100601PUBSTK
1.5ft.	CM-100617BKBSTK	CM-100617BLBSTK	CM-100617GYBSTK	CM-100617GNBSTK	CM-100617ORBSTK	CM-100617RDBSTK	CM-100617WTBSTK	CM-100617YWBSTK	CM-100617PUBSTK
2ft.	CM-100602BKBSTK	CM-100602BLBSTK	CM-100602GYBSTK	CM-100602GNBSTK	CM-100602ORBSTK	CM-100602RDBSTK	CM-100602WTBSTK	CM-100602YWBSTK	CM-100602PUBSTK
3ft.	CM-100603BKBSTK	CM-100603BLBSTK	CM-100603GYBSTK	CM-100603GNBSTK	CM-100603ORBSTK	CM-100603RDBSTK	CM-100603WTBSTK	CM-100603YWBSTK	CM-100603PUBSTK
4ft.	CM-100600BKBSTK	CM-100600BLBSTK	CM-100600GYBSTK	CM-100600GNBSTK	CM-100600ORBSTK	CM-100600RDBSTK	CM-100600WTBSTK	CM-100600YWBSTK	CM-100600PUBSTK
5ft.	CM-100604BKBSTK	CM-100604BLBSTK	CM-100604GYBSTK	CM-100604GNBSTK	CM-100604ORBSTK	CM-100604RDBSTK	CM-100604WTBSTK	CM-100604YWBSTK	CM-100604PUBSTK
6ft.	CM-100615BKBSTK	CM-100615BLBSTK	CM-100615GYBSTK	CM-100615GNBSTK	CM-100615ORBSTK	CM-100615RDBSTK	CM-100615WTBSTK	CM-100615YWBSTK	CM-100615PUBSTK
7ft.	CM-100605BKBSTK	CM-100605BLBSTK	CM-100605GYBSTK	CM-100605GNBSTK	CM-100605ORBSTK	CM-100605RDBSTK	CM-100605WTBSTK	CM-100605YWBSTK	CM-100605PUBSTK
10ft.	CM-100606BKBSTK	CM-100606BLBSTK	CM-100606GYBSTK	CM-100606GNBSTK	CM-100606ORBSTK	CM-100606RDBSTK	CM-100606WTBSTK	CM-100606YWBSTK	CM-100606PUBSTK
12ft.	CM-100620BKBSTK	CM-100620BLBSTK	CM-100620GYBSTK	CM-100620GNBSTK	CM-100620ORBSTK	CM-100620RDBSTK	CM-100620WTBSTK	CM-100620YWBSTK	CM-100620PUBSTK
15ft.	CM-100607BKBSTK	CM-100607BLBSTK	CM-100607GYBSTK	CM-100607GNBSTK	CM-100607ORBSTK	CM-100607RDBSTK	CM-100607WTBSTK	CM-100607YWBSTK	CM-100607PUBSTK
20ft.	CM-100616BKBSTK	CM-100616BLBSTK	CM-100616GYBSTK	CM-100616GNBSTK	CM-100616ORBSTK	CM-100616RDBSTK	CM-100616WTBSTK	CM-100616YWBSTK	CM-100616PUBSTK
25ft.	CM-100608BKBSTK	CM-100608BLBSTK	CM-100608GYBSTK	CM-100608GNBSTK	CM-100608ORBSTK	CM-100608RDBSTK	CM-100608WTBSTK	CM-100608YWBSTK	CM-100608PUBSTK
35ft.	CM-100618BKBSTK	CM-100618BLBSTK	CM-100618GYBSTK	CM-100618GNBSTK	CM-100618ORBSTK	CM-100618RDBSTK	CM-100618WTBSTK	CM-100618YWBSTK	CM-100618PUBSTK
50ft.	CM-100609BKBSTK	CM-100609BLBSTK	CM-100609GYBSTK	CM-100609GNBSTK	CM-100609ORBSTK	CM-100609RDBSTK	CM-100609WTBSTK	CM-100609YWBSTK	CM-100609PUBSTK
75ft.	CM-100610BKBSTK	CM-100610BLBSTK	CM-100610GYBSTK	CM-100610GNBSTK	CM-100610ORBSTK	CM-100610RDBSTK	CM-100610WTBSTK	CM-100610YWBSTK	CM-100610PUBSTK
100ft.	CM-100611BKBSTK	CM-100611BLBSTK	CM-100611GYBSTK	CM-100611GNBSTK	CM-100611ORBSTK	CM-100611RDBSTK	CM-100611WTBSTK	CM-100611YWBSTK	CM-100611PUBSTK
125ft.	CM-100635BKBSTK	CM-100635BLBSTK	CM-100635GYBSTK	CM-100635GNBSTK	CM-100635ORBSTK	CM-100635RDBSTK	CM-100635WTBSTK	CM-100635YWBSTK	CM-100635PUBSTK
150ft.	CM-100612BKBSTK	CM-100612BLBSTK	CM-100612GYBSTK	CM-100612GNBSTK	CM-100612ORBSTK	CM-100612RDBSTK	CM-100612WTBSTK	CM-100612YWBSTK	CM-100612PUBSTK
175ft.	CM-100636BKBSTK	CM-100636BLBSTK	CM-100636GYBSTK	CM-100636GNBSTK	CM-100636ORBSTK	CM-100636RDBSTK	CM-100636WTBSTK	CM-100636YWBSTK	CM-100636PUBSTK
200ft.	CM-100613BKBSTK	CM-100613BLBSTK	CM-100613GYBSTK	CM-100613GNBSTK	CM-100613ORBSTK	CM-100613RDBSTK	CM-100613WTBSTK	CM-100613YWBSTK	CM-100613PUBSTK

Specifications

* Information listed represents all cables within this series

Conductor	Material / Size	Bare Copper / 26AWG
Insulation	Material	HDPE
	Thickness	Nominal: 0.21 mm
	Diameter	Nominal: 0.91 mm
	Colors	Blue/White-Blue Orange/White-Orange Green/White-Green Brown/White-Brown
	Unaged Elongation	Min. 300%
	Unaged Tensile Strength	Min. 1.683 Kg/mm ²
Screen	Material	Aluminum-Mylar Tape
Drain Wire	Material	Tinned Copper
Jacket	Material	Flame Retardant PVC
	Thickness	Nominal: 0.52 mm
	Diameter	Nominal: 5.6 mm
	Color	Assorted Upon Request
	Unaged Elongation	Min. 100%
	Unaged Tensile Strength	Min. 1.407 Kg/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		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	-	65*	62*
	4 MHz	6.4*	56*	53*
	8 MHz	8.9*	51*	48*
	10 MHz	9.9*	50*	47*
	16 MHz	12.3*	47*	44*
	20 MHz	13.8*	45*	42*
	25 MHz	16.0*	44*	41*
	31.25 MHz	17.1*	42*	39*
	62.5 MHz	25.6*	38*	35*
	100 MHz	33.0*	35*	32*
	125 MHz	37.4*	34*	31*

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

