

Cat.6 Flat Cables

Technical Data Sheet CableMAX Model No. **CM-1007XXXXBSTK**

Length	Black	White
0.5ft.	CM-100731BKBSTK	CM-100731WTBSTK
1ft.	CM-100732BKBSTK	CM-100732WTBSTK
1.5ft.	CM-100733BKBSTK	CM-100733WTBSTK
2ft.	CM-100734BKBSTK	CM-100734WTBSTK
3ft.	CM-100735BKBSTK	CM-100735WTBSTK
4ft.	CM-100736BKBSTK	CM-100736WTBSTK
5ft.	CM-100737BKBSTK	CM-100737WTBSTK
6ft.	CM-100738BKBSTK	CM-100738WTBSTK
7ft.	CM-100739BKBSTK	CM-100739WTBSTK
10ft.	CM-100740BKBSTK	CM-100740WTBSTK
15ft.	CM-100741BKBSTK	CM-100741WTBSTK
20ft.	CM-100742BKBSTK	CM-100742WTBSTK
25ft.	CM-100743BKBSTK	CM-100743WTBSTK
25ft.	CM-100745BKBSTK	CM-100745WTBSTK

Specifications

* Information listed represents all cables within this series

Conductor	Material / Size	Bare Copper / 32AWG
Insulation	Material	HDPE
	Diameter	Nominal: 0.55 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
Diameter		Nominal: 1.6 x 6.4 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

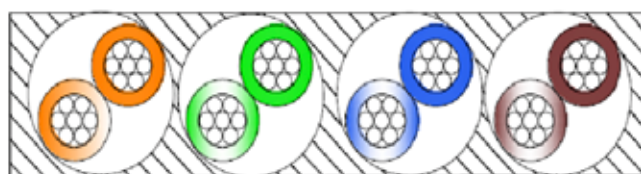
1000BASE-T Gigabit Ethernet 100BASE-T Fast Ethernet(IEEE 802.3)
 10BASE-T 155/622 Mbps ATM
 100VG-AnyLAN(IEEE802.12)
 Voice, T1, ISDN

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	1~250MHz	100Ω ± 15%	
Attenuation & Near End Cross Talk	Frequency	NEXT	PSNEXT
	(MHz)	(dB), Min.	(dB), Min.
	1 MHz	74.3*	72.3*
	4 MHz	65.3*	63.3*
	10 MHz	59.3*	57.3*
	16 MHz	56.1*	54.2*
	20 MHz	54.8*	52.8*
	31.25 MHz	51.9*	49.9*
	62.5 MHz	47.4*	45.4*
	100 MHz	44.3*	42.3*
	155 MHz	41.4*	39.4*
	200 MHz	39.8*	37.8*
250 MHz	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/white orange

green/white green

brown/white brown

blue/white blue