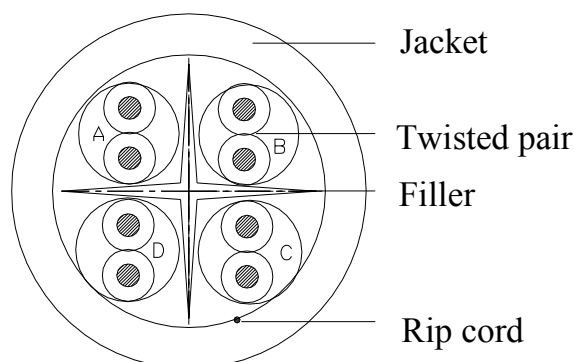


PRODUCT SPECIFICATIONS

PART#: CAT6-BK		DESCRIPTION: CAT6 ENHANCED 550 MHz 23 AWG SOLID 4PR UTP, TIA/EIA 568-C.2, PVC JKT- BLACK - 1000 FT BOX			
Edition	A	Established Date	2012/12/13	Rev Date	2013/06/25
Approval	Richard	Checked	John	Finish	Leo



Standard: UL 444 , ANSI/TIA-568-C.2 & ISO/IEC 11801

Application: Lan Cable

Construction Characters:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57±0.005mm
Insulation	Material	HDPE
	Min. Thickness	0.200mm
	AVG. Thickness	0.220mm
	Diameter	1.01±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Filler	Filler	PVC
Jacket	Material	PVC
	AVG. Thickness	0.60mm
	Min. Thickness	0.54mm
	Diameter	6.20±0.10mm
	Colors	Per request
	Rip Cord	Nylon

Electrical & Physical Characters

rating	75℃ 30V
Conductor Resistance	Max 72.2ohm/km at 20℃
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
AC Leakage Current Through overall Jacket	AC 1500V ≤10mA

PRODUCT SPECIFICATIONS

Insulation	Unaged	Tensile Strength	16.5 Mpa	
		Elongation	500%	
	Aged	Tensile Strength	14.2 Mpa(100℃ 168h)	
		Elongation	250%(100℃ 168h)	
Jacket	Unaged	Tensile Strength	13.8 Mpa	
		Elongation	150%	
	Aged	Tensile Strength	11.7 Mpa(100℃ 168h)	
		Elongation	80%(100℃ 168h)	
Cold Bend Test		-20℃ 4hours No Cracking		
DC Resistance Unbalance		Max 5%		
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km		
Characteristic Impedance		1~500MHZ 100±15OHM		
Propagation Delay		500MHZ Max 536ns/100m		
Delay Skew		1~500MHZ Max 40ns/100m		
Marking:				
STRUCTURED CABLE PRODUCTS --- P/N CAT6 --- CAT6E ENHANCED 550 MHz 4 PR 23 AWG UTP VERIFIED TO ANSI/TIA-568-C.2 CMR FT4 75C -- (UL) OR C(UL) E198134 CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXXXFEET				
Packaging:				
Approx. Weight(kg)		Approx. Dimension(mm)	package	Packages per Pallet
15.80		390X280X420	1000 ft/Box	36/24

Performance

ITEM	Attention	NEXT	PS NEXT	RL	ELFEXT	PS ELFEXT	ACR
Frequency	Max (dB/100m)	Min (dB)	Min (dB)	Min (dB)	Min (dB)	Min (dB)	Min (dB)
1	2.1	74.3	72.3	20.0	67.8	64.8	72.2
4	3.8	65.3	63.3	23.0	55.8	52.8	61.5
8	5.3	60.8	58.8	24.5	49.7	46.7	55.5
10	5.9	59.3	57.3	25.0	47.8	44.8	53.4
16	7.5	56.2	54.2	25.0	43.7	40.7	48.7
20	8.4	54.8	52.8	25.0	41.8	38.8	46.4
25	9.4	53.3	51.3	24.3	39.8	36.8	43.9
31.25	10.5	51.9	49.9	23.6	37.9	34.9	41.4
62.5	15.0	47.4	45.4	21.5	31.9	28.9	32.4
100	19.1	44.3	42.3	20.1	27.8	24.8	25.2
200	27.6	39.8	37.8	18.0	21.8	18.8	12.2
250	31.1	38.3	36.3	17.3	19.8	16.8	7.2
300	34.3	37.1	35.1	16.8	18.3	15.3	2.8
400	40.1	35.3	33.3	15.9	15.8	12.8	---
500	45.3	33.8	31.8	15.2	13.8	10.8	---