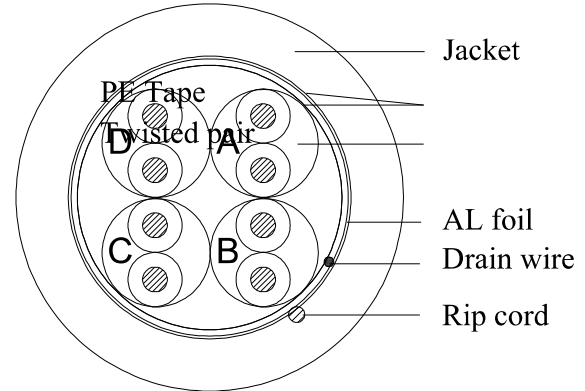




PRODUCT SPECIFICATIONS

PART#: CAT5E-SH-BK		DESCRIPTION: CAT5E SHIELDED 350 MHz 24 AWG SOLID 4PR F/UTP, TIA/EIA 568-C.2, PVC JKT- BLACK- 1000 FT BOX			
Edition	A	Established Date	2012/12/11	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	24AWG X 4P
	Construction	1/0.515±0.004mm
Insulation	Material	HDPE
	Min. Thickness	0.210mm
	AVG. Thickness	0.228mm
	Diameter	0.97±0.01mm
	Colors	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Shield	Core wrap	PE Tape
	Drain wire	1/0.40±0.004mm
	Shield	AL Foil
	Core wrap	PE Tape
Jacket	Material	PVC
	AVG. Thickness	0.60mm
	Min. Thickness	0.54mm
	Diameter	6.15±0.10mm
	Rip Cord	Nylon
	Colors	Per request



Electrical & Physical Characters

rating		75°C 30V	
Conductor Resistance		Max 86.5ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
AC Leakage Current Through overall Jacket		AC 1500V ≤10mA	
Insulation	Unaged	Tensile Strength	16.5 Mpa
		Elongation	500%
	Aged	Tensile Strength	14.2 Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	11.7 Mpa(100°C 168h)
		Elongation	80%(100°C 168h)
Cold Bend Test		-20°C 4hours No Cracking	
DC Resistance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	
Characteristic Impedance		1~350MHZ 100±15OHM	
Propagation Delay		350MHZ Max 536ns/100m	
Delay Skew		1~350MHZ Max 45ns/100m	
Marking:			
STRUCTURED CABLE PRODUCTS --- P/N CAT5E-SH --- CAT5E SHIELDEDENHANCED 350 MHz 4 PR 24 AWG STP 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)	
13.60		370X280X400	
package		Packages per Pallet	
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	2.0	68.3	66.3	20.0	63.8	60.8	66.3
4	4.1	59.3	57.3	23.0	51.7	48.7	55.2
8	5.8	54.8	52.8	24.5	45.7	42.7	49.0
10	6.5	53.3	51.3	25.0	43.8	40.8	46.8
16	8.2	50.3	48.3	25.0	39.7	36.7	42.1
20	9.3	48.8	46.8	25.0	37.8	34.8	39.5
25	10.4	47.3	45.3	24.3	35.8	32.8	36.9
31.25	11.7	45.9	43.9	23.6	33.9	30.9	34.2
62.5	17.0	41.4	39.4	21.5	27.8	24.8	24.4
100	22.0	38.3	36.3	20.1	24.0	21.0	16.3
155	28.1	35.5	33.5	18.8	20.0	17.0	7.4
200	32.4	33.8	31.8	18.0	17.7	14.7	1.4
300	41.0	31.2	29.2	16.8	14.2	11.2	---
350	44.9	30.1	28.1	16.3	12.9	9.9	---