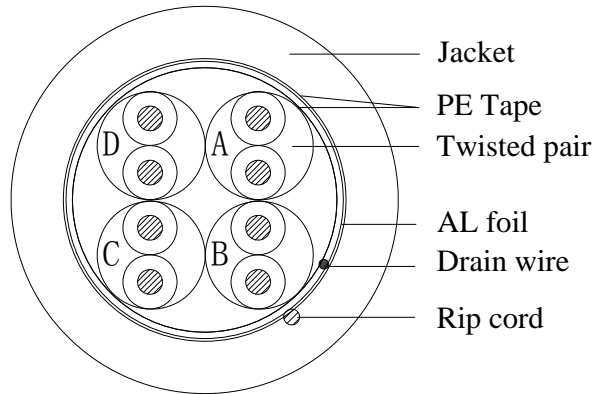




PRODUCT SPECIFICATIONS

PART#: CAT5E-SHP-BL		DESCRIPTION: CAT5E SHIELDED PLENUM 350 MHz 24 AWG SOLID 4PR F/UTP, TIA/EIA 568-C.2, CMP- BLUE- 1000 FT BOX			
Edition	A	Established Date	2013/01/23	Revised Date	
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	FEP
	Min. Thickness	0.190mm
	AVG. Thickness	0.218mm
	Diameter	0.95±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	0.50mm
	Min. Thickness	0.45mm
	Diameter	5.90±0.10mm
	Rip Cord	Nylon
	Colors	Per request

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	11.8 Mpa
		Elongation	150%
	Aged	Tensile Strength	10.1 Mpa(100°C 168h)
		Elongation	80%(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	
Nominal Velocity of Propagation (%)		67~69	
Propagation Delay		350MHZ Max 536ns/100m	
Delay Skew		1~350MHZ Max 45ns/100m	
Marking:			
STRUCTURED CABLE PRODUCTS --- P/N CAT5E-SHP --- CAT5E ENHANCED 350 MHz 4 PR 24 AWG FTP VERIFIED TO ANSI/TIA-568-C.2 CMP FT6 75C -- cETLus 30099905 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
14.45	370X280X400	1000 ft/Box	36/24

Performance

ITEM Frequency	Attenuation Max (dB/100m)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	PSACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)
1	2.0	68.3	66.3	66.3	64.3	20.0	63.8	60.8
4	4.1	59.3	57.3	55.2	53.2	23.0	51.7	48.7
8	5.8	54.8	52.8	49.0	47.0	24.5	45.7	42.7
10	6.5	53.3	51.3	46.8	44.8	25.0	43.8	40.8
16	8.2	50.3	48.3	42.1	40.1	25.0	39.7	36.7
20	9.3	48.8	46.8	39.5	37.5	25.0	37.8	34.8
25	10.4	47.3	45.3	36.9	34.9	24.3	35.8	32.8
31.25	11.7	45.9	43.9	34.2	32.2	23.6	33.9	30.9
62.5	17.0	41.4	39.4	24.4	22.4	21.5	27.8	24.8
100	22.0	38.3	36.3	16.3	14.3	20.1	24.0	21.0
155	28.1	35.5	33.5	7.4	5.4	18.8	20.0	17.0
200	32.4	33.8	31.8	1.4	---	18.0	17.7	14.7
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