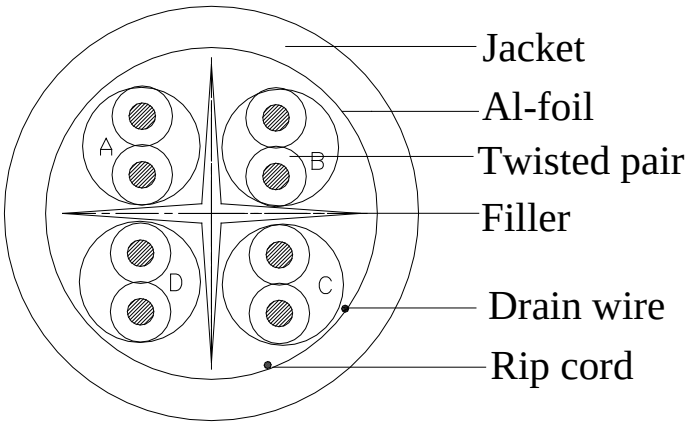
PRODUCT SPECIFICATIONS

PART#: CAT6-SHP-BL	DESCRIPTION: CAT6 SHIELDED PLENUM- ENHANCED 550 MHz 23 AWG SOLID 4PR F/UTP, TIA/EIA 568-C.2, CMP- 1000 FT SPOOL- BLUE				
Edition	A	Established Date	2013/07/04	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	23AWG X 4P
	Construction	1/0.585±0.005mm
Insulation	Material	FEP
	Min. Thickness	0.185mm
	AVG. Thickness	0.213mm
	Diameter	1.01±0.01mm
	Colors	Blue-White/Blue
		Orange-White/Orange
		Green-White/Green
		Brown-White/Brown
Shield	Filler	LDPE
	Drain wire	1/0.40±0.004mm
	Shield	AL Foil
Jacket	Material	PVC
	Min. Thickness	0.65mm
	AVG. Thickness	0.60mm
	Diameter	7.50±0.10mm
	Colors	Per request
	Rip Cord	Nylon

Electrical & Physical Characters

rating			75℃ 30V
Conductor Resistance			Max 68.5ohm/km at 20℃
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℃ 168h)
		Elongation	80%(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
Nominal Velocity of Propagation (%)			67~69
Propagation Delay			500MHZ Max 536ns/100m
Delay Skew			1~500MHZ Max 40ns/100m

Marking:

STRUCTURED CABLE PRODUCTS --- P/N CAT6SHP --- CAT6 ENHANCED 550 MHz 23 AWG 4PR F/UTP 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
20.95	370X320X200X12	1000 ft/ Spool	27

Performance-1

ITEM / Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2.0	1.9	74.3	78.3	72.3	75.6	72.3	76.4
4	3.8	3.7	65.3	74.6	63.3	71.2	61.5	70.9
8	5.3	5.1	60.8	67.0	58.8	64.1	55.5	61.9
10	6.0	5.8	59.3	67.6	57.3	64.9	53.3	61.8
16	7.6	7.4	56.2	67.8	54.2	63.2	48.6	60.4
20	8.5	8.2	54.8	66.9	52.8	63.1	46.3	58.7
25	9.5	9.1	53.3	61.3	51.3	57.8	43.8	52.2
31.25	10.7	10.4	51.9	65.7	49.9	62.1	41.2	55.3
62.5	15.4	15.0	47.4	54.6	45.4	51.3	32.0	39.6
100	19.8	19.2	44.3	58.0	42.3	55.0	24.5	38.8
200	29.0	28.2	39.8	54.5	37.8	51.0	10.8	26.3
250	32.8	30.4	38.3	52.8	36.3	50.1	5.5	22.4
300	36.4	34.3	37.1	50.2	35.1	48.4	0.7	15.9
400	43.0	39.6	35.3	47.8	33.3	44.1	---	---
500	48.9	44.9	33.8	46.0	31.8	43.3	---	---

Performance-2

ITEM / Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	20.0	22.6	67.8	75.6	64.8	73.3	70.3	73.7
4	23.0	23.7	55.8	61.3	52.8	60.1	59.5	67.5
8	24.5	29.0	49.7	55.7	46.7	54.8	53.5	59.0
10	25.0	28.5	47.8	55.2	44.8	53.2	51.3	59.1
16	25.0	28.2	43.7	49.7	40.7	48.1	46.6	55.8
20	25.0	27.8	41.8	48.1	38.8	46.2	44.3	54.9
25	24.3	27.5	39.8	45.9	36.8	45.0	41.8	48.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	51.7
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30.0	36.3
100	20.1	23.5	27.8	35.0	24.8	33.2	22.5	35.8
200	18.0	23.2	21.8	32.8	18.8	30.2	8.8	22.8
250	17.3	20.5	19.8	30.7	16.8	27.7	3.5	19.7
300	16.8	19.8	18.3	26.5	15.3	25.4	---	---
400	15.9	17.9	15.8	23.4	12.8	22.1	---	---
500	15.2	16.6	13.8	19.5	10.8	18.7	---	---