

**SCP PART#: CAT6SH-XX**

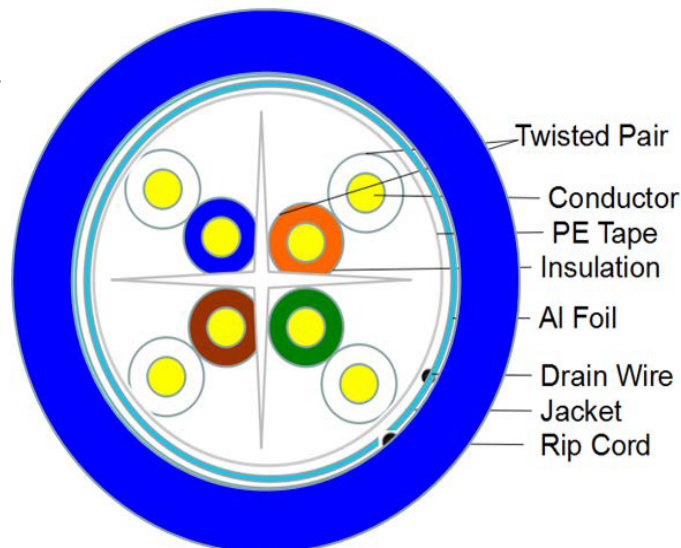
**Description:**

CAT6 SHIELDED F/UTP- ENHANCED 550 MHz 23 AWG  
 SOLID BC 4PR F/UTP, ANSI/TIA 568-C.2, IEC 211801 CLASS E,  
 UL CMR, EN50575:2014 Eca, PVC JKT  
 1000 FT/305M SPOOL

**Regulatory:**

UL 444, TIA/EIA 568-C.2 and ISO/IEC 11801 Ed2  
 Type (UL) CMR or c(UL) FT4  
 EU RoHS 2011/65 EU Compliant  
 EN50575:2014 REACTION TO FIRE CLASS Eca

**Application: Lan Cable**



**Construction Characteristics:**

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	1.1+/-0.05mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Shield	Wrap	PET tape
	Drain wire TC	1/0.50+/-0.005
	Shield	AL Foil
Jacket	Material	PVC
	Min.Thickness	0.60mm
	AVG.Thickness	0.70mm
	Diameter	7.50+/-0.20mm
	Rip Cord	Nylon
	Color	Blue
Bend radius		Min 20D/150mm

**Electrical & Physical Characteristics:**

Operating Temperature Range		- 20°C + 75°C	
Conductor Resistance		Max 72.2ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
Insulation	Unaged	Tensile Strength	12.3Mpa
		Elongation	150%
	Aged	Tensile Strength	9.8Mpa(100°C 168h)
		Elongation	100%(100°C 168h)
Jacket	Unaged	Tensile Strength	13.8Mpa
		Elongation	100%
	Aged	Tensile Strength	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
Rated Voltage		Max 300Volts	
DC Resistance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 3300pF/km	
Characteristic Impedance		100+/-15OHM	
Nominal Velocity of Propagation(%)		67~69	
Propagation Delay		Max 536ns/100m	
Delay Skew		Max 45ns/100m	

**Marking:**

STRUCTURED CABLE PRODUCTS --- CAT6-SH --- CAT6 SHIELDED ENHANCED 550MHz F/UTP ANSI/TIA-568-C.2  
 ISO/IEC 11801 CLASS E E198134 SCP3 (UL) C(UL) CMR 4PR 23AWG SOL BC - EN50575:2014 CE Eca PVC JKT FT4 75C  
 EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 \*\*\*M

**Packaging:**

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
21kgs/46.297lbs	380X290X200	1000FT/305M Spool	27

## Performance

ITEM Frequency	Attenuation Max	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT	PSACR Min (dB)
1	2	74.3	72.3	72.3	20	67.8	64.8	70.3
4	3.8	65.3	63.3	61.5	23	55.8	52.8	59.5
8	5.3	60.8	58.8	55.5	24.5	49.7	46.7	53.5
10	6	59.3	57.3	53.3	25	47.8	44.8	51.3
16	7.6	56.2	54.2	48.6	25	43.7	40.7	46.6
20	8.5	54.8	52.8	46.3	25	41.8	38.8	44.3
25	9.5	53.3	51.3	43.8	24.3	39.8	36.8	41.8
31.25	10.7	51.9	49.9	41.2	23.6	37.9	34.9	39.2
62.5	15.4	47.4	45.4	32	21.5	31.9	28.9	30
100	19.8	44.3	42.3	24.5	20.1	27.8	24.8	22.5
200	29	39.8	37.8	10.8	18	21.8	18.8	8.8
250	32.8	38.3	36.3	5.5	17.3	19.8	16.8	3.5
300	36.4	37.1	35.1	0.7	16.8	18.3	15.3	---
400	43	35.3	33.3	---	15.9	15.8	12.8	---
500	48.9	33.8	31.8	---	15.2	13.8	10.8	---