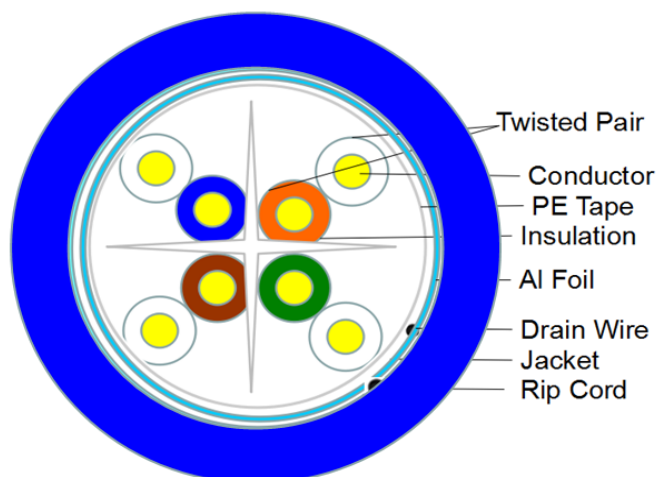


**SCP PART#: CAT6SH-OUT**

Cat6 Shielded Outdoor - Cat6 550MHz 23 AWG Solid BC, F/UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 Class E, UV Sun Res PE Jkt - BLACK- 1000 FT/305M Spool

Rev05/21



**Regulatory**

ANSI/TIA 568.2-D and ISO/IEC 11801  
 EU RoHS 2011/65 EU Compliant

**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	LLEPE
	Min.Thickness	0.60mm
	AVG.Thickness	0.70mm
	Diameter	7.50+/-0.20mm
	Rip Cord	Nylon
	Color	BLACK
Bend radius	Min 20D/150mm	

### Electrical & Physical Characteristics:

Operating Temperature Range	- 20°C + 75°C		
Minimum installation temperature	0°C + 40°C		
Conductor Resistance	Max 72.2ohm/km at 20°C		
Dielectric Strength	Min AC1.5KV		
Spark Test	5.0KV		
Rated Voltage	Max 300Volts		
DC Resisitance 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		
<b>Marking:</b>			
STRUCTURED CABLE PRODUCTS --- CAT6SH-OUT --- CAT6 SHIELDED OUTDOOR - ENHANCED 550MHz F/UTP ANSI/TIA 568.2-D ISO/IEC 11801 CLASS E-----4PR 23AWG SOL BC - UV SUN RES PE JKT EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***FEET DDMMYY			
<b>Packaging:</b>			
Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
21kgs/46.297lbs	380X290X200	1000FT/305M Spool	27

### Performance

ITEM Frequens	Attenuatio n 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	---