

**SCP PART#: HNC-8**

**Description:**

2x CAT6 550 MHz 23 AWG Solid BC 4PR UTP + 2x RG6/U Quad Shield Coax 3.0 GHz 18 AWG Bundled Overall PVC Jacket - 500ft Spool

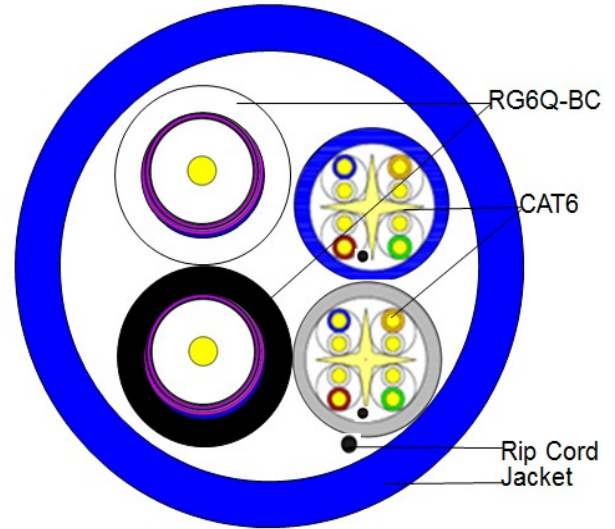
**Regulatory**

UL 444, TIA/EIA 568-C.2 and ISO/IEC 11801 Ed  
Type (UL) CM,CMG or c(UL) FT4  
EU RoHS 2011/65 EU Compliant

**Application: BUNDLE CABLE**

**Construction Characteristics:**

Conductor(2XCAT6)	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	1.03+/-0.10mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Jacket	Material	FR-PVC
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	6.20+/-0.20mm
	Rip Cord	Nylon
Conductor(2XRG6)	Material	Solid Bare Copper
	Size	18AWG X 1C
	Construction	1/1.02+/-0.004mm
Insulation	Material	FPE
	Min.Thickness	1.60mm
	AVG.Thickness	1.79mm
	Diameter	4.57+/-0.10mm
	Colors	Natural
Shield	Bonded AL-FOIL	Yes
	Braiding-1(0.12+0.005AL wire)	Coverage>60%
	Double AL-Foil	Yes
	Braiding-2(0.12+0.005AL wire)	Coverage>40%
Jacket	Material	PVC
	Min.Thickness	0.75mm
	AVG.Thickness	0.84mm
	Diameter	7.25+/-0.20mm
	Color	Black,White
Assembly(2xCAT6+2xRG6/U)		
Jacket	Material	PVC
	Min.Thickness	0.90mm
	AVG.Thickness	1.00mm
	Diameter	17.5+/-1.0mm
	Rip Cord	500D
	Colors	Blue



**Electrical & Physical Characteristics(CAT6)**

Operating Temperature Range		- 20°C + 70°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)
DC Resisitance Unbalance		Max 5%	
Pair-to-Ground Capacitance Unbalance		Max 330pF/100m	
Nominal Velocity of Propagation(%)		66	
Delay Skew		Max 45ns/100m	

**Electrical & Physical Characteristics(RG6)**

Operating Temperature Range		- 20°C + 70°C	
Conductor Resistance		Max 25 ohm/km at 20°C	
Dielectric Strength		Min AC2.0 KV	
Jacket	Unaged	Tensile Strength	13.8Mpa
		Elongation	100%
	Aged	Tensile Strength	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)

**Marking:**

STRUCTURED CABLE PRODUCTS --- HNC-8 --- 2xCAT6 550MHz 23AWG UTP + 2xRG6/U QUAD SHIELD COAX BC-(BUNDLED)  
198134 SCP3 (UL) C(UL) CM CE RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 \*\*\*FEET

**Packaging:**

Approx.Wight(kg)	Approx.Dimension(mm)	Package	Packages per pallet
40.7	550x350x250	500ft/Spool	8/12

### Performance CAT6

ITEM Frequency	Attenuation Max (dB)	NEXT Min (dB)	PS NEXT Min (dB)	ACR Min (dB)	RL Min (dB)	ELFEXT Min (dB)	PS ELFEXT Min (dB)	PSACR Min (dB)
1	2	65.3	62.3	63.3	20	63.8	60.8	60.3
4	4.1	56.3	53.3	52.2	23	51.8	48.8	49.2
8	5.8	51.8	48.8	46	24.5	45.7	42.7	43
10	6.5	50.3	47.3	43.8	25	43.8	40.8	40.8
16	8.2	47.2	44.2	39	25	39.7	36.7	36
20	9.3	45.8	42.8	36.5	25	37.8	34.8	33.5
25	10.4	44.3	41.3	33.9	24.3	35.8	32.8	30.9
31.25	11.7	42.9	39.9	31.2	23.6	33.9	30.9	28.2
62.5	17	38.4	35.4	21.4	21.5	27.8	24.8	18.4
100	22	35.3	32.3	23.3	20.1	23.8	20.8	10.3
155	28.1	32.4	29.4	4.3	18.8	20	17	1.3
200	32.4	30.8	27.8	---	18	1.7	14.7	---
300	41	28.1	25.1	---	16.8	14.2	11.2	---
350	44.9	27.1	24.1	---	16.3	12.9	9.9	---

### Performance RG6

ITEM Frequency	Attenuation MAX DB/100M
5	1.9
50	5.25
200	10.5
400	14.11
700	18.5
1000	22.97
1200	25.5
1800	32
2200	36
2500	39
3000	44.5