

SCP PART#: HNC-15

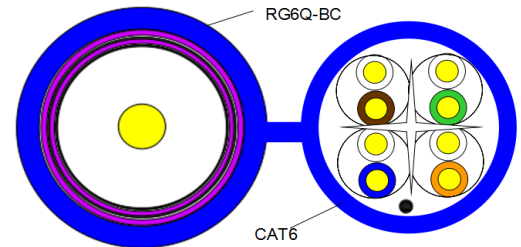
Description

1x CAT6 550 MHz 23 AWG SOLID BC 4PR, UTP +
 1x RG6/U QUAD SHIELD COAX BC -SIAMESE,
 UL CM- PVC JKT BLUE- 1000FT/305M SPOO

Rev02/22

Regulatory

UL 444 ANSI/TIA 568.2-D and ISO/IEC 11801 Class E
 Type (UL) CM
 EU RoHS 2011/65 EU Compliant



Application: BUNDLE CABLE

Construction Characteristics:

Electrical & Physical Characteristics: (CAT6)

Conductor(CAT6)	Material	Solid Bare Copper	Operating Temperature Range			- 20°C +75°C	
	Size	23AWG X 4P	Conductor Resistance			Max 72.2ohm/km at 20°C	
	Construction	1/0.57+/-0.005mm	Dielectric Strength			Min AC1.5KV	
Insulation	Material	HDPE	Spark Test			5.0KV	
	Min.Thickness	0.200mm	Rated Voltage			Max 300Volts	
	AVG.Thickness	0.220mm	DC Resisitance Unbalance			Max 5%	
	Diameter	1.03+/-0.10mm	Pair-to-Ground Capacitance Unbalance			Max 330pF/100m	
	Colors		Blue- White/Blue	Nominal Velocity of Propagation(%)			66
			Orange-White/Orange	Delay Skew			Max 45ns/100m
		Green-White/Green Brown-White/Brown					
Jacket	Material	FR-PVC	Electrical & Physical Characteristics (RG6)				
	Min.Thickness	0.54mm	Operating Temperature Range			- 20°C + 75°C	
	AVG.Thickness	0.60mm	Minimum installation temperature			0°C + 40°C	
	Diameter	6.20+/-0.20mm	Conductor Resistance			Max 25 ohm/km at 20°C	
	Rip Cord	Nylon	Dielectric Strength			Min AC2.0 KV	
	Colors	Blue					
Conductor(RG6)	Material	Solid Bare Copper	Marking:				
	Size	18AWG X 1C	STRUCTURED CABLE PRODUCTS --- HNC-15 --- E198134 SCP3 (UL) C(UL) CM1xCAT6 550MHz 23AWG UTP + 1x RG6/U QUAD SHIELD COAX BC (SIAMESE) CE PVC JKT RoHS ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9***FEET				
	Construction	1/1.02+/-0.004mm					
Insulation	Material	FPE	Packaging:				
	Min.Thickness	1.60mm	Approx.Weight	Approx.Dimension(mm)	Package		
	AVG.Thickness	1.79mm	29kgs/63.933lbs	500x270X250	1000ft/Spool		
	Diameter	4.57+/-0.10mm	Packages per Pallet				
	Colors	Natural	12				
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	FR-PVC					
	Min.Thickness	0.75mm					
	AVG.Thickness	0.84mm					
	Diameter	7.25+/-0.20mm					
	Color	Blue					
Assembled (1XCAT6+1XRG6/U) : With "8"							
Overall Diameter	(7.25/6.2)*13.5+/-0.20mm						
Bend radius	Min 20D/125--145mm						

Performance-1 (CAT6)

ITEM Frequenc	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
y								
1	2	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	---	---
500	48.9	43.9	33.8	51	31.8	49.3	---	---

Performance-2 (CAT6)

ITEM Frequenc	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
y								
1	20	23.6	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---

Performance (RG6)

ITEM	Attention MAX
Frequency	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