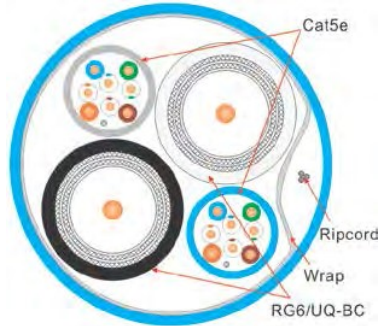




SCP Part No. HNC-2-BC

REV.A

Cross Section



Description

2x CAT5E 24 AWG UTP + 2x RG6/U QUAD SHIELD COAX BC- (BUNDLED)- 500 FT SPOOL- BLUE

Marking

STRUCTURED CABLE PRODUCTS' EXXXXXX (UL) OR c(UL) CM 75C MM/YY --- P/N: HNC-2-BC --- 2x CAT5E ENHANCED 350 MHz 24 AWG 4PR UTP VERIFIED TO TIA/EIA 568B.2 + 2x RG6/U QUAD SHIELD 18 AWG BC SWEEP TESTED TO 3.0GHZ HDTV - PVC JKT CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 XXX FEET

Construction

Component 1: RG6/UQ-BC	
Center Conductor	Bare Copper
Size	18AWG
Dia.(in/mm)	0.0403/1.02
Insulate	Skin Foam PE
Insulation Dia.(in/mm)	0.0180/4.57
The First Shield	Bonded Aluminum Foil
Coverage Area (%)	100
The First Braid Shield	Aluminum Wire
Coverage Area(%)	60
The second Shield	Aluminum Foil
Coverage Area(%)	100
The Second Braid Shield	Aluminum Wire
Coverage Area(%)	40
Jacket	Blue FR-PVC
Cable Dia.(in/mm)	0.297/7.54
Component 2: CAT5E	
Conductor	Bare Copper
Size	24AWG
Insulate	HDPE
Insulation Dia.(in/mm)	0.037/0.93
Cabling	4Pairs
Jacket	Blue FR-PVC
Cable Dia.(in/mm)	0.209/5.30
Final assembly	
Cabling	2 core RG6/UQ-BC & 2 core Cat5e
Warp	PET
Ripcord	Cotton
Out Jacket	Blue FR-PVC
Nom. Thickness(in/mm)	0.033/0.85
Cable Dia.(in/mm)	0.665/16.90
Packing	Wooden spool
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	78.26/35.5

Performance

Electrical Characteristics:[@68°F.(20°C.)]

component 1: RG6/UQ-BC			
Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)	
5	0.79	2.57	
10	0.82	2.66	
50	1.47	4.79	
100	2.05	6.72	
200	2.84	9.28	
400	4.06	13.28	
700	5.60	18.36	
900	6.24	20.43	
1000	6.60	21.61	
1200	7.50	24.59	
1450	8.04	26.36	
2500	11.13	36.47	
2750	11.58	37.94	
3000	12.06	39.54	
Dielectric Strength (kV/min)			1
Impedence (ohms)			75±3.0
SRL (dB)			5~1000MHz >=20 1001~3000MHz >=15
Capacitance (pF/ft)			16.2
Conductor DCR@ 20°C (ohms/kft)			6.55
DC Loop Resistance@ 20°C (ohms/kft)			12.75
Velocity Of Propagation (%)			85
Component 2: cat5e			
Frequency (MHz)	Attenuation (dB/100m)	Next min (dB)	RL min (dB)
1	2.0	75.3	20.0
4	3.8	66.3	23.0
8	5.4	61.8	24.5
10	6.0	60.3	25.0
16	7.6	57.3	25.0
20	8.5	55.8	25.0
25	9.6	54.3	24.3
31.25	10.7	52.9	23.6
62.5	15.5	48.4	21.5
100	19.9	45.3	20.1
Conductor DCR@ 20°C (ohms/kft)			31
Mutual capacitance (pF/ft)			17.7
DC Resistance Unbalance(%)			MAX 5
Mechanical Characteristics:			
Test Object:			Jacket
Test Material			
Before	Tensile strength (psi)	>=2000	
Aging	Elongation (%)	200	
Aging Condition (°C_hrs)			100_168
After	Tensile strength (%)	>=85%unaged	
Aging	Elongation (%)	>=50%unaged	
Cold Bend (-20±2°C/4hrs)			No crack
Jacket Longitudinal Shrinkage (%)			>=5
Operating Temperature Range (°C)			-20~75

Standards

UL, CE, RoHS