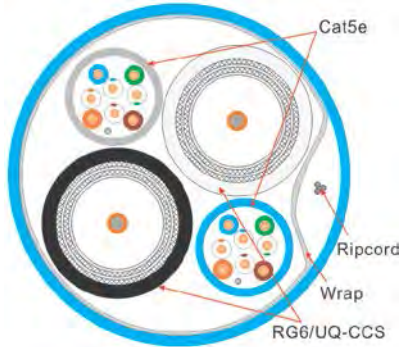




SCP Part No. HNC-2

REV.A

Cross Section



Description

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

Marking

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

Construction

Component 1: RG6/UQ-CCS

Center Conductor	Copper clad steel
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	0.209/5.30
Cabling	2 core RG6/UQ-CCS & 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)	77.82/35.3

Performance

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

component 1: RG6/UQ-CCS

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)	31
DC Loop Resistance@ 20°C (ohms/kft)	38.52
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 Resstance 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