

**SCP PART#: RG6/UQ-CCS-XX-5**

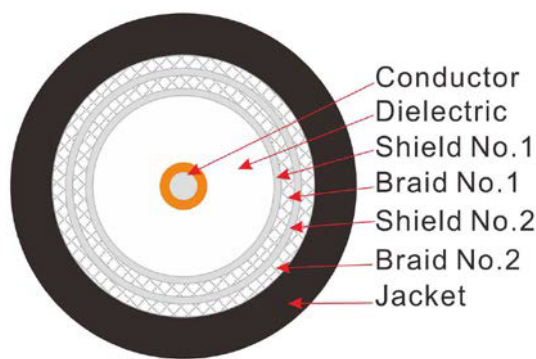
Description:

RG6/U QUAD SHIELD COAX 3.0 GHz 18 AWG CCS, 60%/40% AL BRAID, UL CM, PVC JKT - 500FT/152M BOX

Rev02/22

**RG6/UQ-CCS-BK-5**  
**RG6/UQ-CCS-WT-5**

**Cross Section**



**Description**

HDTV CABLE, RG6/U QUAD SHIELD 18 AWG CCS, 75OHMS, 3.0GHz, Economic

**Marking**

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 18 AWG CCS 75C MM/YY -- P/N: RG6/UQ-CCS -- RG6/U QUAD SHIELD SWEEP TESTED TO 3.0 GHz HDTV, AL BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 500FEET

**Construction**

<b>Center Conductor:</b>	<b>Copper Clad Steel</b>
Size	18AWG
Dia.(in/mm)	0.0403/1.02
<b>Insulate</b>	<b>Skin Foam PE</b>
Nom. Thickness(in/mm)	0.070/1.78
Insulation Dia.(in/mm)	0.0180/4.57
<b>The First Shield</b>	<b>Bonded Aluminum Foil</b>
Coverage Area (%)	100
<b>The First Braid Shield</b>	<b>Aluminum Wire</b>
Coverage Area(%)	40
<b>The second Shield</b>	<b>Aluminum Foil</b>
Coverage Area(%)	100
<b>The Second Braid Shield</b>	<b>Aluminum Wire</b>
Coverage Area(%)	35
<b>Jacket</b>	<b>Black FR-PVC</b>
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.281/7.15
<b>Packing</b>	<b>Pull Box</b>
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	16.75/7.6
Box sizes(in/cm)	16.5x16.5x8.7/42x42x22

**Performance**

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

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
1800	8.84	28.98
2200	9.77	32.03
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)	40.4
Velocity Of Propagation (%)	85

**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
Center Conductor break Strength (lbs)	85
Operating Temperature Range (°C)	-20~75

**Standards**

UL, CE, RoHS