

**SCP Part Number: RG6/UQ-CCS-BK**

REV.A

**Cross Section**



**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

**Description**

RG6/U QUAD SHIELD 3.0 GHz 18 AWG CCS, 60%/40% AL BRAID, CM RATING- 1000 FT BOX- BLACK

**Marking**

STRUCTURED CABLE PRODUCTS Exxxxx (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, 60%/40% AL BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

**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(%)	60
<b>The second Shield</b>	<b>Aluminum Foil</b>
Coverage Area(%)	100
<b>the Second Braid Shield</b>	<b>Aluminum Wire</b>
Coverage Area(%)	40
<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)	0.297/7.54
<b>Packing</b>	<b>Pull box</b>
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	34.61/15.7

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

**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