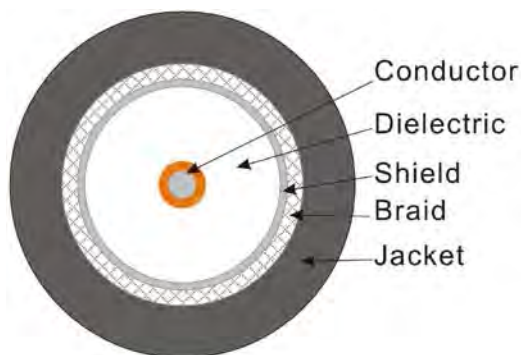


**SCP Part Number: RG6/U-CCS-BK-SPL**

REV.A

**Cross Section**



**Description**

RG6/U CATV 3.0 GHz 18 AWG CCS 60% AL BRAID- BLACK - 1000 FT SPOOL

**Marking**

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL)  
CM 18 AWG CCS 75C MM/YY -- P/N: RG6/U-CCS -- RG6/U  
COAX CATV 60% 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>Shield</b>	<b>Bonded Aluminum Foil</b>
Coverage Area (%)	100
<b>Braid Shield</b>	<b>Aluminum Wire</b>
Coverage Area(%)	60
<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)	0.272/6.91
<b>Packing</b>	<b>Wooden Spool</b>
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	28.00/12.70

**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
Impedance (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)	45.45
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