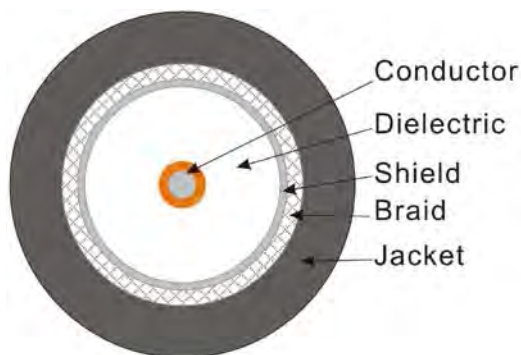


**SCP Part Number: RG11/U**

REV.A

**Cross Section**



**Description**

RG11/U COAX 3.0GHz 14 AWG CCS, 60% AL BRAID-BLACK- 1000 FT SPOOL

**Marking**

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL)  
CM 14 AWG CCS 75C MM/YY -- P/N: RG11/U -- RG11/U  
COAX 3.0GHz, 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	14AWG
Dia.(in/mm)	0.064/1.63
<b>Insulate</b>	<b>Skin Foam PE</b>
Nom. Thickness(in/mm)	0.108/2.74
Insulation Dia.(in/mm)	0.280/7.11
<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)	0.395/10.03
<b>Packing</b>	<b>Spool</b>
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	58.42/26.5

**Performance**

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.38	1.25
55	0.96	3.15
250	2.05	6.73
300	2.43	7.97
450	2.75	9.02
550	3.04	9.97
750	3.65	11.97
865	3.98	13.05
1000	4.49	14.73
1200	4.75	15.58
1450	5.35	17.55
1750	6.08	19.94
2000	6.32	20.73
2150	6.60	21.64
2250	6.70	21.97
2500	7.02	23.02
2750	7.40	24.27
3000	7.74	25.38

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)	12.66
DC Loop Resistance@ 20°C (ohms/kft)	19.37
Velocity Of Propagation (%)	83

**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