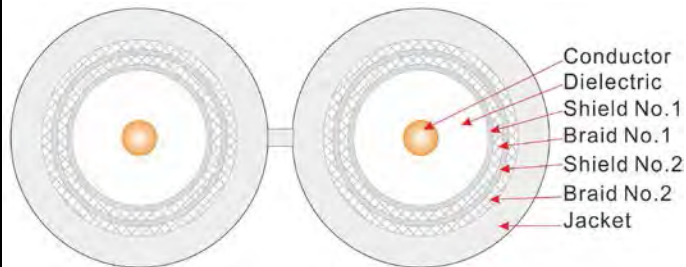




**SCP Part No. RG6/UQ-S-BC-WT**

REV.A

**Cross Section**



**Description**

RG6/U QUAD SHIELD SIAMESE DUAL COAX 3.0GHZ- 2x 18 AWG BC, 60%/40% AL BRAID- 500 FT SPOOL- WHITE

**Marking**

STRUCTURED CABLE PRODUCTS Exxxxxx (UL) OR C(UL) CM 2x 18 AWG BC 75C MM/YY -- P/N: RG6/UQ-S-BC -- RG6/U QUAD SHIELD DUAL COAX CATV 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 xxxFEET

**Construction**

**SINGLE RG6/UQ-BC**

<b>Center Conductor:</b>	<b>Bare Copper</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>White FR-PVC</b>
Nom. Thickness(in/mm)	0.76
Min. Thickness(in/mm)	0.61
Cable Dia.(in/mm)	7.54
<b>Two RG6/U-BC with "8"</b>	
<b>Packing</b>	<b>Pull Box</b>
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	35.82/16.25

**Performance**

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

Frequency (MHz)	Attenuation (dB/100m)	Attenuation (dB/100ft)
5	0.52	1.70
10	0.72	2.33
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)	6.55
DC Loop Resistance@ 20°C (ohms/kft)	12.75
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