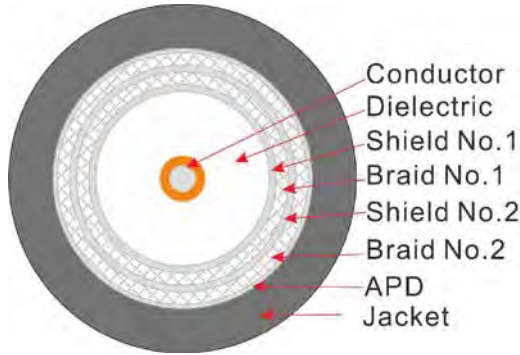




**SCP Part Number: RG6/UQ-DB-CCS**

REV.A

**Cross Section**



**Description**

RG6/U QUAD SHIELD DIRECT BURIAL 18 AWG CCS  
60%/40% AL BRAID -1000 FT SPOOL

**Marking**

STRUCTURED CABLE PRODUCTS -- P/N: RG6/UQ-DB -- RG6/U  
QUAD SHIELD COAX CATV DIRECT BURIAL - SWEEP TESTED TO  
3.0 GHz HDTV 18 AWG, 60% / 40% AL BRAID -- PE JACKET -- 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>Flooded</b>	<b>APD</b>
<b>Jacket</b>	<b>Black PE</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>Wooden Spool</b>
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	29.76/13.50

**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)	38.52
Velocity Of Propagation (%)	85

**Mechanical Characteristics:**

Test Object:	Jacket
Test Material	
Before	Tensile strength (psi) 2300
Aging	Elongation (%) 450
Cold Bend	(-40±2°C/4hrs) No Crack
Jacket Longitudinal Shrinkage	(%) >=5
Center Conductor break Strength	(lbs) 85
Operating Temperature Range	(°C) -40~80

**Standards**

CE, RoHS