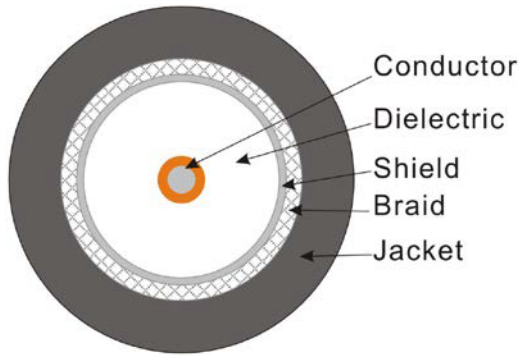




## RG6/U-CCS-BK-ETL-SPL

REV.B

### Cross Section



### Description

CATV CABLE, RG6/U 18 AWG CCS, 75OHMS, 3.0GHz, ETL, Economic

### Marking

STRUCTURED CABLE PRODUCTS 4002571 c(ETL)us CM 18 AWG CCS 75C MM/YY -- P/N: RG6/U-CCS -- RG6/U COAX CATV AL BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 1000FEET

### 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(%)	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)	0.272/6.91
<b>Packing</b>	<b>Pull Box</b>
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	28.4/12.9

### 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)	47.9
Velocity Of Propagation (%)	85

#### Mechanical Characteristics:

Test Object:	Jacket
Test Material	
Before Tensile strength (psi)	2000
Aging Elongation (%)	150
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

ETL, CE, RoHS