

# Structured Cable Products

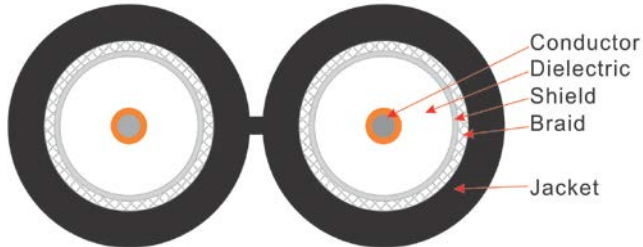
Quality Installations Deserve Quality Products



## RG6/U-S-CCS-BK-RIB

REV.A

### Cross Section



### Description

RG6/U SIAMESE DUAL COAX CATV 18 AWG CCS 60% AL BRAID- BLACK - 500 FT RIB

### Marking

STRUCTURED CABLE PRODUCTS E245362 (UL) OR C(UL) CM 2x18 AWG CCS 75C MM/YY -- P/N: RG6/U-S-CCS -- RG6/U DUAL 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

#### SINGLE RG6/U-CCS

<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>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

Two RG6/U-CCS with "8"

<b>Packing</b>	<b>Reel In Box</b>
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	31.3/14.2

### Performance

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

Frequency (MHz)	Attenuation (dB/100m)	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