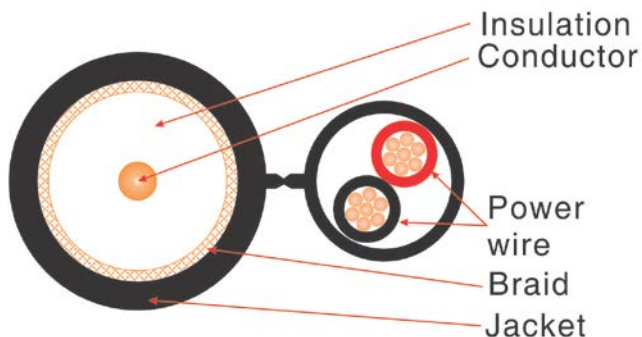




## RG59/U-S-CCA-BK-5

REV.A

### Cross Section



### Description

CCTV CABLE, RG59/U 20AWG BC + 18AWG/2C SIAMESE, 75OHMS,

### Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 20 AWG BC 75C MM/YY -- P/N: RG59/U95-S-CCA -- RG59/U SIAMESE COAX CCTV, 95% BRAID + 2C/18 AWG PWR CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

### Construction

#### RG59/U-CCA COAXIAL CABLE

<b>Center Conductor</b>	<b>Bare Copper</b>
Size	20AWG
Dia.(in/mm)	0.032/0.81
<b>Insulate</b>	<b>Skin Foam PE</b>
Nom. Thickness(in/mm)	0.056/1.42
Insulation Dia.(in/mm)	0.144/3.66
<b>Braid Shield</b>	<b>Copper clad Aluminum</b>
Coverage area (%)	95
<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)	0.236/6.00
	<b>POWER WIRE</b>
<b>Conductor</b>	<b>18AWG Stranded Bare Copper</b>
Size	7x26AWG
<b>Insulation</b>	<b>Black&amp;Red FR-PVC</b>
Insulation Dia.(in/mm)	0.067/1.70
Cabling Lay Length(in/mm)	2/50.8
<b>Jacket</b>	<b>Black FR-PVC</b>
Thickness(in/mm)	0.019/0.48
<b>Coaxial cable and power wire with "8"</b>	
<b>Packing</b>	<b>Wooden spool</b>
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	22.49/10.20

### Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1	0.29	0.95
10	0.92	3.00
55	2.46	8.08
100	3.12	10.24
250	4.92	16.14
400	6.44	21.12
550	7.15	23.43
750	8.37	27.45
865	9.03	29.61
1000	9.75	31.97

Dielectric Strength (kV/min)	1
Impedance (ohms)	75±3.0
SRL (dB)	5~1000MHz >=20
Capacitance (pF/ft)	16.2
Conductor DCR@ 20°C (ohms/kft)	10.43
DC Loop Resistance@ 20°C (ohms/kft)	20.44
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