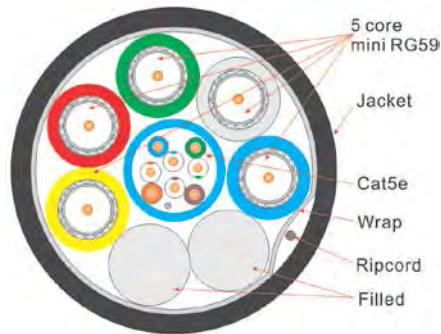




## SCP Part Number: RGB-6

REV.A

### Cross Section



### Description

HDTV VIDEO CABLE, 5 CORE MINI RG59/U COAXIAL CABLE & CAT5E,

### Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 75C MM/YY --- P/N: RGB-6 -- RGB MINI RG59/U COAX - COMPONENT HDTV VIDEO-5C 25 AWG SOLID BC 95% TC Braid 75 Ohm + 1x CAT5E ENHANCED 350 MHz 4PR UTP CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

### Construction

#### Component 1: mini RG59/U

<b>Center Conductor</b>	<b>Bare Copper</b>
Size	24AWG
Dia.(in/mm)	0.0196/0.50
<b>Insulate</b>	<b>Skin Foam PE</b>
Insulation Dia.(in/mm)	0.098/2.50
<b>Shield</b>	<b>Bonded aluminum foil</b>
Coverage area (%)	100
<b>Braid Shield</b>	<b>Tinned Copper</b>
Coverage area (%)	95
<b>Jacket</b>	<b>FR-PVC</b>
Nom. Thickness(in/mm)	0.0189/0.48
Cable Dia.(in/mm)	0.161/4.10
Color	Red & Green & Blue & Yellow & White

#### Component 2: CAT5E

<b>Conductor</b>	<b>Bare Copper</b>
Size	24AWG
<b>Insulate</b>	<b>HDPE</b>
Insulation Dia.(in/mm)	0.037/0.93
Cabling	4Pairs
<b>Jacket</b>	<b>Blue FR-PVC</b>
Cable Dia.(in/mm)	0.209/5.30

#### Component 3: Filled wire

<b>Filled</b>	<b>Foma PE</b>
Dia.(in/mm)	0.157/4.00

#### Final assembly

Cabling	5 core mini RG59/U & Cat5e & two filled wire
Warp	Nonwoven
Ripcord	Cotton
<b>Out Jacket</b>	<b>Black FR-PVC</b>
Nom. Thickness(in/mm)	0.039/1.00
Cable Dia.(in/mm)	0.630/16.00
<b>Packing</b>	<b>Wooden spool</b>
Length(ft/m)	250/76
Gross Weight(lbs/kg)	43.43/19.7

### Performance

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

##### component 1: mini RG59/U

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1	0.53	1.74
5	1.20	3.93
10	1.70	5.57
50	3.80	12.46
100	5.20	17.05
200	7.10	23.28
400	10.00	32.79
750	14.30	46.89
1000	21.40	70.16
2250	25.50	83.61
3000	33.90	111.15

Dielectric Strength (kV/min)	1
Impedance (ohms)	75±4.0
SRL (dB)	5~450MHz >=26 451~850MHz >=23 851~3000MHz >=15
Capacitance (pF/ft)	17.5
Conductor DCR@ 20°C (ohms/kft)	27.76
DC Loop Resistance@ 20°C (ohms/kft)	34.05
Velocity Of Propagation (%)	80

##### Component 2: cat5e

Frequency (MHz)	Attenuation (dB/100m)	Next min (dB)	RL min (dB)
1	2.0	75.3	20.0
4	3.8	66.3	23.0
8	5.4	61.8	24.5
10	6.0	60.3	25.0
16	7.6	57.3	25.0
20	8.5	55.8	25.0
25	9.6	54.3	24.3
31.25	10.7	52.9	23.6
62.5	15.5	48.4	21.5
100	19.9	45.3	20.1

Conductor DCR@ 20°C (ohms/kft)	31
Mutual capacitance (pF/ft)	17.7
DC Resistance Unbalance(%)	MAX 5

#### 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
Operating Temperature Range	(°C) -20~75

### Standards

UL, CE, RoHS