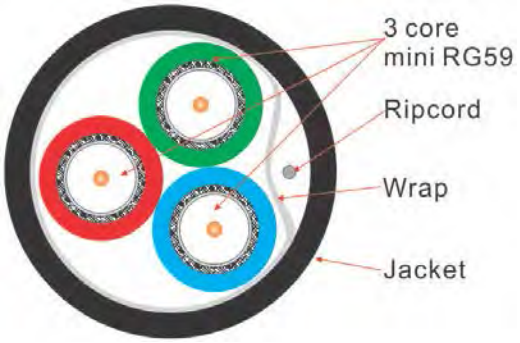
SCP Part Number: RGB-3

REV.A

Cross Section



Description

HDTV VIDEO CABLE, 3 CORE MINI RG59/U COAXIAL CABLE, 75OHMS,

Marking

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

Construction

Component 1: mini RG59/U

Center Conductor	**Bare Copper**
Size	25AWG
Dia.(in/mm)	0.0196/0.50
Insulate	**Skin Foam PE**
Insulation Dia.(in/mm)	0.098/2.50
Shield	**Bonded aluminum foil**
Coverage area (%)	100
Braid Shield	**Tinned Copper**
Coverage area (%)	95
Jacket	**FR-PVC**
Nom. Thickness(in/mm)	0.0189/0.48
Cable Dia.(in/mm)	0.161/4.10
Color	Red & Green & Blue

Final assembly

Cabling	3 mini RG59/U
Warp	Nonwoven
Ripcord	Cotton
Out Jacket	**Black FR-PVC**
Nom. Thickness(in/mm)	0.039/1.00
Cable Dia.(in/mm)	0.433/11.00

Packing	**Wooden spool**
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	41.45/18.8

Performance

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

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
Impedence (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

Mechanical Characteristics:

Test Object:			Jacket
Test Material			
Before	Tensile strength	(psi)	>=2000
Aging	Elongation	(%)	200
Aging Condition		(℃_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		(℃)	-20~75

Standards

UL, CE, RoHS