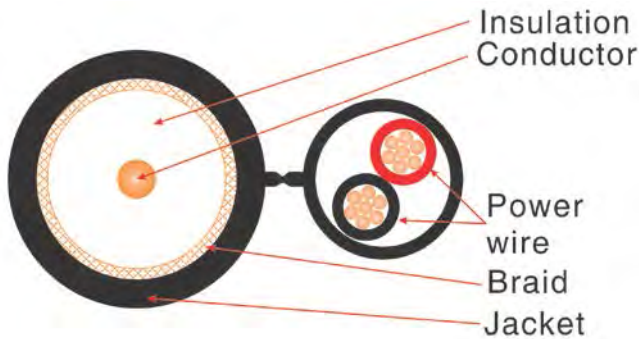


SCP Part Number: RG59/U95-S-BK

REV.A

Cross Section



Description

RG59/U SIAMESE 20 AWG BC 95% BC BRAID+ 18/2 PWR-
BLACK - 1000 FT SPOOL

Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 20
AWG BC 75C MM/YY -- P/N: RG59/U95-S -- RG59/U SIAMESE
COAX CCTV, 95% BC 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/U95 COAXIAL CABLE

Center Conductor	Bare Copper
Size	20AWG
Dia.(in/mm)	0.032/0.81
Insulate	Skin Foam PE
Nom. Thickness(in/mm)	0.056/1.42
Insulation Dia.(in/mm)	0.144/3.66
Braid Shield	Bare Copper
Coverage area (%)	95
Jacket	Black FR-PVC
Nom. Thickness(in/mm)	0.030/0.76
Min. Thickness(in/mm)	0.024/0.61
Cable Dia.(in/mm)	0.236/6.00

POWER WIRE

Conductor	18AWG Stranded Bare Copper
Size	7×26AWG
Insulation	Black&Red FR-PVC
Insulation Dia.(in/mm)	0.067/1.70
Cabling Lay Length(in/mm)	2/50.8
Jacket	Black FR-PVC
Thickness(in/mm)	0.019/0.48

Coaxial cable and power wire with "8"

Packing	Wooden Spool
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	51.15/23.20

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1	0.24	0.79
10	0.76	2.50
55	2.05	6.73
100	2.60	8.53
250	4.10	13.45
400	5.37	17.60
550	5.95	19.52
750	6.98	22.87
865	7.52	24.67
1000	8.13	26.64

Dielectric Strength (kV/min)	1
Impedance (ohms)	75±3.0
SRL (dB)	5~1000MHz
Capacitance (pF/ft)	16.2
Conductor DCR@ 20°C (ohms/kft)	10.43
DC Loop Resistance@ 20°C (ohms/kft)	14.95
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

Rev Date: 05/2013