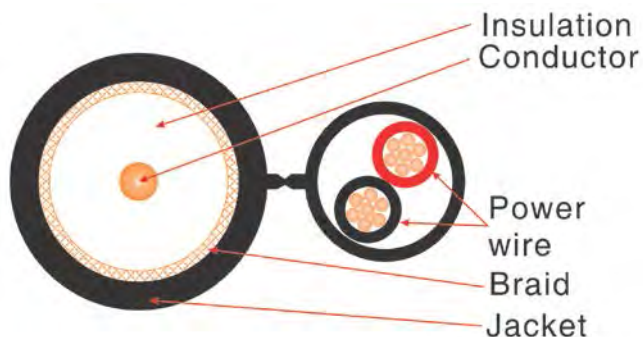




SCP Part Number: RG59/U-S-DB-500

REV.A

Cross Section



Description

RG59/U SIAMESE DIRECT BURIAL 20 AWG BC, 95% BRAID + 18/2 PWR- BLACK- 500 FT SPOOL

Marking

STRUCTURED CABLE PRODUCTS -- P/N: RG59/U-S-DB -- RG59/U COAX CCTV SIAMESE DIRECT BURIAL 20 AWG BC 95% BRAID + 2C/18 AWG POWER -- PE JKT -- CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFEET

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
Flood	APD
Jacket	Black PE
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)	500/152.5
Gross Weight(lbs/kg)	26.68/12.10

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)	2300
Aging	Elongation	(%)	450

Cold Bend	(-40±2°C/4hrs)	No Crack
Jacket Longitudinal Shrinkage	(%)	≥5
Center Conductor break Strength	(lbs)	85
Operating Temperature Range	(°C)	-40~80

Standards

CE, RoHS