

SCP Part Number: RG6/U95-BK

REV.A

Front view



Description

RG6/U CCTV 18 AWG BC 95% BC BRAID- 1000 FT BOX- BLACK

Marking

STRUCTURED CABLE PRODUCTS Exxxxx (UL) OR C(UL) CM 18 AWG BC 75C MM/YY -- P/N: RG6/U95 -- RG6/U COAX CCTV, 95% BC BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

Construction

Center Conductor:	Bare Copper
Size	18AWG
Dia.(in/mm)	0.0403/1.02
Insulate	Skin Foam PE
Nom. Thickness(in/mm)	0.070/1.78
Insulation Dia.(in/mm)	0.180/4.57
Braid Shield	Bare Copper
Coverage area (%)	95
Jacket	Black FR-PVC
Nom. Thickness(in/mm)	0.031/0.79
Min. Thickness(in/mm)	0.025/0.64
Cable Dia.(in/mm)	0.272/6.91
Packing	Pull box
Length(ft/m)	1000/305
Gross Weight(lbs/kg)	57.1/25.9

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
5	0.81	2.66
55	1.60	5.25
211	3.08	10.10
270	3.50	11.48
300	3.70	12.14
350	4.01	13.15
400	4.30	14.11
450	4.58	15.03
550	5.09	16.70
600	5.34	17.52
870	6.51	21.33
1000	7.01	22.97
1250	8.42	27.60
1450	9.15	30.00
2200	12.81	42.00
3000	16.32	53.50

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)	6.55
DC Loop Resistance@ 20°C (ohms/kft)	10.98
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