



Structured Cable Products

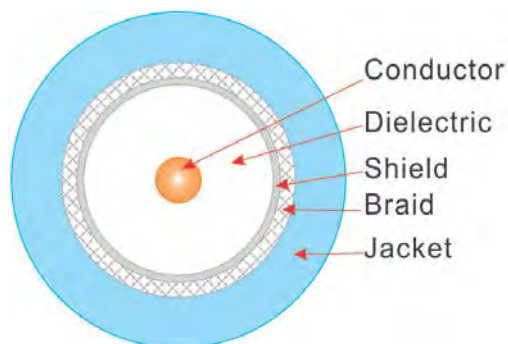
Quality Installations Deserve Quality Products

www.scpca5e.com

SCP Part Number: RG59/UDC-BL

REV.A

Cross Section



Description

RG59/U HDTV SERIAL DIGITAL COAX 3.0 GHz- 20 AWG BC, 100% AL FOIL, 95% TC BRAID,CLEAR PVC JKT - 500 FT REEL IN BOX- BLUE

Marking

STRUCTURED CABLE PRODUCTS EXXXXXX (UL) OR C(UL) CM 20 AWG BC 75C MM/YY -- P/N: RG59/UDC -- RG59/U HDTV SERIAL DIGITAL COAX SWEEP TESTED TO 3.0 GHz , 100% AL FOIL, 95% TC BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxFEET

Construction

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)	0.145/3.68
Shield	Bonded Aluminum foil
Coverage area (%)	100
Braid Shield	Tinned Copper
Coverage area (%)	95
Jacket	Clear Blue 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
Packing	Reel In Box
Length(ft/m)	500/152.5
Gross Weight(lbs/kg)	17.42/7.9

Performance

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

Frequency (MHz)	Attenuation (dB/100ft)	Attenuation (dB/100m)
1	0.30	0.98
3.6	0.60	1.97
5	0.63	2.07
7	0.74	2.43
10	0.90	2.95
67.5	2.05	6.73
71.5	2.10	6.89
88.5	2.20	7.22
100	2.30	7.55
135	2.70	8.86
143	2.80	9.19
180	3.10	10.17
270	3.80	12.47
360	4.40	14.44
540	5.50	18.04
720	6.40	21.00
750	6.5	21.33
1000	7.6	24.93
1500	9.3	30.51
2000	10.9	35.76
2250	11.6	38.06
3000	13.4	43.96

Dielectric Strength (kV/min)	1
Impedence (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)	14.4
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