

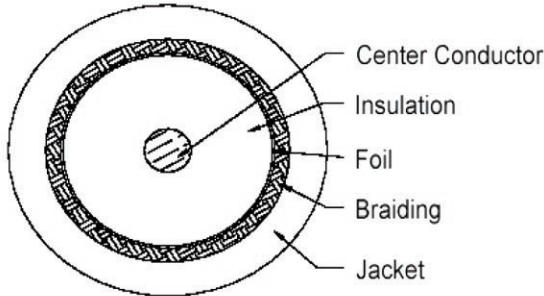


Product Specification sheet for:

RG59/UDC

RG59/U 20 GA 3.0 GHZ DIGITAL COAX - BLUE, GREEN, RED, WHITE, YELLOW

CONSTRUCTION DETAIL



Rated Temperature (°C)	75
Product Standard Certification	UL
Flammability Test	CM

Application
Cable for HDTV applications, test upto 3.0GHZ

Reference Standard Dielectric Strength (kV/min) 1.0
UL1581, UL1655, UL13, UL444,UL1424

PHYSICAL CONSTRUCTION

Center Conductor	Bare Copper
AWG	20
Dia.	0.82
Insulation	Foamed PE
Nom. Thickness(mm)	1.42
Insulation Dia. (±0.08mm)	3.66
The first Al-mylar Shield (Overlapping, %)	>=25
The first Braid Shield	Tinned Copper
Construction (mm)	16/7/0.16
Coverage Area (%)	95
Jacket	PVC
Nom. Thickness (mm)	0.70
Min. Thickness (mm)	0.60
Cable Dia. (±0.10mm)	6.05
Weight (kg/km)	51.5

MARKING

STRUCTURED CABLE PRODUCTS ---
(UL) CM OR CL2 E198134 20AWG 75C SCP RG59/U DIGITAL SWEEP
TESTED TO 3.0GHZ HDTV MM/YY ****F

MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	PVC
Before Tensile Strength	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°C_hrs)	100x240
After Tensile Strength (Mpa)	>= 85% unaged
Aging Elongation (%)	>= 50% unaged
Cold Bend (-20±2°C_4hrs)	No crack
Jacket impact test (-15°C)	No crack
Jacket Longitudinal Shrinkage (%)	<=5
Center Conductor Bond To dielectric (N)	>=2.3

ELECTRICAL CHARACTERISTICS

Dielectric Strength (kV/min)	1.0
Impedence (±3.0ohms)	75.0
SRL (dB,5-2200MHz)	>=20
SRL (dB ,2200-3000MHz)	>=17.6
Capacitance (pF/m)	53.1
Conductor DCR@ 20°C (ohms/km)	<=188
Velocity Of Propagation (%)	>=82

ATTENUATION AT 20 °C

Frequency (MHZ)	Attenuation (dB/100FT)	Attenuation (dB/100M)
1	0.30	0.98
5	0.63	2.07
10	0.90	2.95
67.5	2.05	6.72
88.5	2.20	7.21
100	2.30	7.54
143	2.80	9.18
180	3.10	10.16
360	4.40	14.43
540	5.50	18.03
750	6.50	21.31
1000	7.60	24.92
1500	9.30	30.49
2000	10.9	35.74
2250	11.6	38.03
3000	13.4	43.93

SPECIFICATION CONTROL

Structured Cable Products specifications are subject to change without notice. Please contact a sales representative for a current product specification. Structured Cable Products strives to ensure product specifications are complete, current, and accurate. Please note, all physical specifications are nominal.