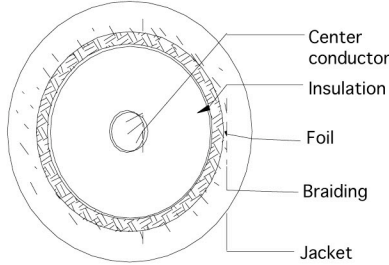


Product Specification sheet for:

# RG6/UDC

RG6/U 18 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

<b>Center Conductor</b>	<b>Bare Copper</b>
AWG	18
Dia.	1.02
<b>Insulation</b>	<b>Skin Foam PE</b>
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
The first Al-mylar Shield (Overlapping, %)	>=25
The first Braid Shield	<b>Aluminium Wire</b>
Construction (mm)	16/4/0.16
Coverage Area (%)	>=60
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness (mm)	0.70
Min. Thickness (mm)	0.60
Cable Dia. (±0.10mm)	6.70
Weight (kg/km)	43.0

## MARKING

STRUCTURED CABLE PRODUCTS --- E198134-S RG-6/U DIGITAL  
18AWG 75C (UL) TYPE CM OR CL2 SWEEP TESTED TO 3.0GHZ HDTV  
\*\*\*\*\* FEE

## MECHANICAL CHARACTERISTICS

Test Object	Jacket
Test Material	PVC
Before Tensile Strength	>=1.034
Aging Elongation (%)	>=200
Aging Condition (°C_hrs)	113.0±1.0_168
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)	<=21.3
Velocity Of Propagation (%)	>=82

## ATTENUATION AT 20 °C

Frequency (MHz)	Attenuation (dB/100M)
5	2.66
55	5.25
211	10.1
270	11.48
300	12.14
350	13.15
400	14.11
450	15.03
550	16.7
600	17.52
870	21.33
1000	22.97
1250	27.6
1450	30
2200	42
3000	53.5

## 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.