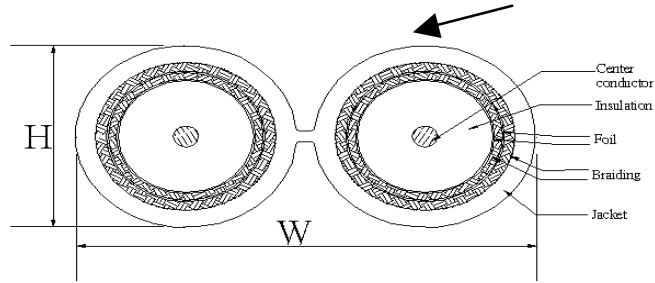


**Cross Section**



**Marking**

STRUCTURED CABLE PRODUCTS --- E198134-S 2xRG-6/U QUAD SHIELD 18AWG SWEEP TESTED TO 2.2GHZ 75C (UL) TYPE CM OR CL2 --- \*\*\*\*\* FEET

**Description**

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

**Application**

Drop cable for CATV and MATV distribution

**Reference Standard**

UL1655, UL13, UL444

**Construction**

<b>Center Conductor</b>	<b>Bare Copper</b>
AWG	18
Dia.	1.02
<b>Insulation</b>	<b>Skin Foamed PE</b>
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
The First Al-maylar Shield (Overlapping, %)	_25
<b>The First Braid Shield</b>	<b>Aluminum&amp;Magnesium alloy Wire</b>
Construction (mm)	16/4/0.16
Coverage Area (%)	_60
The Second Al-maylar Shield (Overlapping, %)	_25
<b>The Second Braid Shield</b>	<b>Aluminum&amp;Magnesium alloy Wire</b>
Construction (mm)	16/3/0.16
Coverage Area (%)	_40
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness (mm)	0.65
Min. Thickness(mm)	0.55
H(±0.20mm)	7.30
W(±0.50mm)	14.90
<b>Weight (kg/km)</b>	94.0

**Performance**

**Electrical Characteristics:**

Frequency (MHz)	Attenuation (dB/100m)
1	0.89
10	2.66
50	4.79
100	6.72
200	9.28
400	13.28
700	18.36
900	20.43
1000	21.61
1200	24.59
1450	26.36
1800	28.98
2200	32.03

Dielectric Strength (kV/min)	1.0
Impedence (±3.0_)	75.0
SRL(dB,5~1000MHz)	_20
SRL(dB,1000-2200MHz)	_20
Capacitance (pF/m)	53.1
Conductor DCR@ 20_ (/km)	_21.3
Velocity Of Propagation (%)	_82

**Mechanical Characteristics:**

<b>Test Object</b>	<b>Jacket</b>	
Test Material	PVC	
Before	Tensile Strength (N)	>=13.8
Aging	Elongation (%)	>=100
Aging Condition (_ hrs)		100x240
After	Tensile Strength (N)	_ 85% unaged
Aging	Elongation (%)	_ 50% unaged
Cold Bend (-20±2_4hrs)		No crack
Jacket impact test(-15_)		No crack
Jacket Longitudinal Shrinkage (%)		_5
Center Conductor Bond To dielectric (N)		_2.3