



LOW-240UF 50 Ohm Coax Cable

CONSTRUCTION

Inner Conductor

Insulation

Outer Conductor

Jacket



PROPERTIES

Min. Bending Radius: 19.1 mm

Max. Pulling Tension 372 N

Crush resistance of cable (load of 700N) < 1 %

Admissible Ambient Temperature -40~+85 °C

PHYSICAL SPECIFICATIONS

Center Conductor	Stranded Bare Copper
Conductor Dia.(+/-0.02mm)	1.42 (0.485/7)
Min. Break Strength (N)	740

Insulation	Foamed Polyethylene
Insulation Dia.(+/-0.10mm)	3.81
Color	Neutral
Centricity (%)	≥ 90
Adhesion	30 to 50N @ 25mm

1st Outer Conductor	Bonded Aluminum Foil
Overlapping	≥ 115%
Dia.(+/-0.10mm)	3.94

2nd Outer Conductor	Tinned Copper Braid
Conductor Dia.(+/-0.01mm)	0.12
No. of Wires	144
Coverage (+/-3%)	90

Outer Jacket	Thermoplastic Elastomer
Outer Dia (+/-0.10mm)	6.10
Tensile strength	≥ 9.9 N/mm ²
Elongation at break	≥ 390 %
Adhesion	20 to 80N @ 50mm

ELECTRICAL CHARACTERISTICS

Characteristic Impedance 50 ±3ohm

Capacitance 79 ±3pF/m

Velocity Ratio > 84 %

DC Resistance: Centre Conductor < 14.10 ohm/km

DC Resistance: Outer Conductor < 12.76 ohm/km

Peak Power rating 5.60 Kw

Cut Off Frequency 31.00 GHz

Insulation Resistance > 5,000 MΩ·km

Dielectric Strength 1600 VAC

Voltage Withstand 1500 VDC

Screening Factor at 1 - 1000MHz > 90 dB

Frequency	Attenuation (at 20 °C)
30 MHz	1.60 dB/100Ft
50 MHz	2.10 dB/100Ft
100 MHz	2.98 dB/100Ft
150 MHz	3.60 dB/100Ft
220 MHz	4.40 dB/100Ft
450 MHz	6.30 dB/100Ft
900 MHz	9.10 dB/100Ft
1500 MHz	11.80 dB/100Ft
1800 MHz	13.00 dB/100Ft
2000 MHz	13.80 dB/100Ft
2500 MHz	15.50 dB/100Ft
3000 MHz	17.00 dB/100Ft
5800 MHz	24.4 dB/100Ft