RG-400 50 Ohms Coaxial Cable

RoHS COMPLIANT

CONSTRUCTION

Inner Conductor

Insulation

1st Outer Conductor

2nd Outer Conductor

Jacket

PROPERTIES

Min. Bending Radius:	30.0	mm
Max. Pulling Tension	84	N
Crush resistance of cable (load of	< 1	%
Operating Temperature	-60~+200	℃

PHYSICAL SPECIFICATIONS

Center Conductor	Stranded Sliver Plated Copper
Conductor Dia.(+/-0.015mm)	0.99 (19/0.203)
Min. Break Strength (N)	250
Insulation	Solid PTFE
Insulation Dia.(+/-0.10mm)	2.98
Color	Neutral
Centricity (%)	⩾ 85
Adhesion	40 to 70N @ 25mm
1st Outer Conductor	Sliver Plated Bare Copper Braid
Conductor Dia.(+/-0.01mm)	0.12
No. of Wires	96
Coverage (+/-3%)	95
2nd Outer Conductor	Sliver Plated Bare Copper Braid
Conductor Dia.(+/-0.01mm)	0.12
No. of Wires	112
Coverage (+/-3%)	92
Outer Jacket	FEP
Outer Dia (+/-0.15mm)	4.95
Tensile strength	⩾ 12.5 N/mm^2
Elongation at break	⩾ 150 %
Adhesion	150 to 250N @ 200mm

Printing

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	50	+-3ohm
Capacitance	105	±3pF/m
Velocity Ratio	> 70	%
DC Resistance: Centre Conduc	< 28.0	ohm/km
DC Resistance: Outer Conduct	< 7.00	ohm/km
Time Delay	4.70	ns/m
Cut Off Frequency	32.00	GHz
Insulation Resistance	> 2,500	MΩ·km
Dielectric Strength	3000	VAC
Voltage Withstand	1800	VDC
Screening Factor at 1 - 1000MHz	> 90	dB

Frequency	Attenuation (at 20 ℃, dB/100Ft)	Pwr (watts)
100 MHz	4.60	2300.00
400 MHz	9.80	1050.00
1000 MHz	15.90	660.00
1800 MHz	22.00	440.00
2400 MHz	25.30	380.00
3000 MHz	28.60	330.00