RG-402 50 Ohms Coaxial Cable

SHIREEN

RoHS COMPLIANT

CONSTRUCTION

Inner Conductor

Insulation

Outer Conductor

Jacket

PROPERTIES

Min. Bending Radius:	8.0	mm
Max. Pulling Tension	84	N
Crush resistance of cable (load of 7	< 1	%
Operating Temperature	-60~+150	℃

PHYSICAL SPECIFICATIONS

Center Conductor	Solid SPCCS
Conductor Dia.(+/-0.015mm)	0.94
Min. Break Strength (N)	300
Insulation	Solid PTFE
Insulation Dia.(+/-0.10mm)	2.95
Color	Neutral
Centricity (%)	⩾ 85
Adhesion	40 to 70N @ 25mm
Outer Conductor	Tinned Plated Bare Copper Wire
Conductor Dia.(+/-0.01mm)	3.55
Outer Jacket	FEP
Outer Dia (+/-0.05mm)	4.10
Tensile strength	⩾ 12.5 N/mm^2
Elongation at break	⩾ 150 %
Adhesion	150 to 250N @ 200mm

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	50	+-3ohm
Capacitance	98	±3pF/m
Velocity Ratio	> 70	%
DC Resistance: Centre Conducto	< 67.0	ohm/km
DC Resistance: Outer Conductor	< 14.80	ohm/km
Time Delay	4.70	ns/m
Cut Off Frequency	34.00	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)
500 MHz	8.30	790.00
1000 MHz	12.80	526.00
2000 MHz	19.00	351.00
3000 MHz	23.80	277.00
5000 MHz	32.10	205.00
10000 MHz	48.20	137.00
18000 MHz	67.80	95.00