RFC-600 50 Ohms Coaxial Cable

SHIREEN

RoHS COMPLIANT

CONSTRUCTION

Inner Conductor

Insulation

Outer Conductor

Jacket

PROPERTIES

Min. Bending Radius:	38.1	mm
Max. Pulling Tension	1750	N
Crush resistance of cable (load of 700l	< 1	%
Admissible Ambient Temperature		
	-40~+85	℃

PHYSICAL SPECIFICATIONS

Center Conductor	Solid CCA
Conductor Dia.(+/-0.03mm)	4.47
Min. Break Strength (N)	1700
Insulation	Foamed Polyethylene
Insulation Dia.(+/-0.20mm)	11.56
Color	Neutral
Centricity (%)	⩾ 85
Adhesion	10 to 100N @ 25mm
1st Outer Conductor	Bonded Aluminum Foil
Overlapping	⩾ 115%
Dia.(+/-0.10mm)	11.71
2nd Outer Conductor	Tinned Copper Braid
Conductor Dia.(+/-0.01mm)	0.18
No. of Wires	240
Coverage (+/-3%)	95
Outer Jacket	PE
Outer Dia (+/-0.10mm)	14.99
Tensile strength	⩾ 16.2 N/mm^2
Elongation at break	⩾ 700 %
Adhesion	20 to 80N @ 50mm

Printing

Shireen RFC ® 600 Low Loss 50 ohms Cable ww/yy
+ footage marking

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	50	+-3ohm
Capacitance	77	±3pF/m
Velocity Ratio	> 87	%
DC Resistance: Centre Conductor	< 4.60	ohm/km
DC Resistance: Outer Conductor	< 5.40	ohm/km
Peak Power rating	40.00	Kw
Cut Off Frequency	10.30	GHz
Insulation Resistance	> 5,000	MΩ·km
Dielectric Strength	1600	VAC
Voltage Withstand	4000	VDC
Screening Factor at 1 - 1000MHz	> 90	dB

Frequency	**Attenuation** (at 20 ℃)	
30 MHz	0.43	dB/100Ft
50 MHz	0.55	dB/100Ft
100 MHz	0.85	dB/100Ft
150 MHz	0.98	dB/100Ft
220 MHz	1.19	dB/100Ft
450 MHz	1.71	dB/100Ft
900 MHz	2.50	dB/100Ft
1500 MHz	3.32	dB/100Ft
1800 MHz	3.69	dB/100Ft
2000 MHz	3.90	dB/100Ft
2500 MHz	4.42	dB/100Ft
3000 MHz	5.06	dB/100Ft
5800 MHz	7.3	dB/100Ft