SRFS TELEINFRA

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7/8” Feeder Cable

Model No.- SRFS-7/8”FC



- The high Performance of attenuation allows co-axial cable to be used in different RF systems, such as 3G, 4G Mobile Communication.
- Wide range of applications, such as indoor distribution, broadcast, various base stations wireless cellular, and others.
- Lower VSWR, perfect shielding effectiveness, and extraordinary inter-modulation performance lead to fewer energy loss and outer interference

CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Copper Tube	8.70 mm
Insulation	Physically Foamed PE	22.50 mm
Outer Conductor	Ring Corrugated Copper	24.90 mm
Jacket	PE	27.30 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	DC – 5.5 GHz	
Impedance (Ω)	50Ω	
Nominal Capacitance	75 p F/m	
Nominal Inductance	0.19 µ H/m	
Velocity of Propagation (%)	86%	
DC Breakdown Voltage	6.0kV	
PIM	≤ -160 dBc@ (2x20W)	
Peak Power Rating	91.0 kW	
Insulation Resistance	> 5 x 10^3 MΩ / Km	
Screening Attenuation	>120 dB	
Mechanical & Environmental Specification		
Minimum Bending Radius	120 mm	
Single Bend	70 mm	
Repeated Bending Radius	250 mm	
Max. Tensile Force	1470 N	
Recommended Maximum Clamp Spacing	1 m	
Storage Temperature	-55to +80ºC	
Installation Temperature	-40 to +60ºC	
Operating Temperature	-55 +80ºC	
RoHS	Compliant	

Frequency (MHz)	Attenuation & Average Power at 20ºC dB/100 m(dB/100ft)	kw
100	1.19 (0.36)	7.56
450	2.65 (0.81)	3.41
690	3.35 (1.02)	2.85
800	3.63 (1.11)	2.48
900	3.88 (1.18)	2.33
1000	4.12 (1.26)	2.19
1800	5.75 (1.75)	1.57
2000	6.11 (1.86)	1.48
2200	6.45 (1.97)	1.41
2400	6.79 (2.07)	1.34
2500	6.95(2.12)	1.30
2600	7.12(2.17)	1.27
2700	7.28(2.22)	1.25
3000	7.76(2.37)	

VSWR	
800 ~ 1000 MHz	1.12
1700 ~ 2200 MHz	1.12
2300 ~ 2400 MHz	1.12
2500 ~2700 MHz	1.15

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INNOVATIONS IN TELECOM WORLD

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SRFS Teleinfra | All specifications are subject to change.
SRFS reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.
It may be necessary to make modifications to the part and/or the documentation of the part to implement improvements.
See www.srfsteleinfra.in for the most current information. Revised: 19 Jan 2023