SRFS TELEINFRA

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½" Feeder Cable

Model **No.** SRFS-1**/2"**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 (mm)
Inner Conductor	Copper Clad Aluminum wire	4.8±0.05 mm
Dielectric	Physical Foam Polyethylene	12.20 ±0.30 mm
Outer Conductor	Ring Corrugated Copper	13.80 ±0.20 mm
Jacket	PE	15.80 ±0.20 mm
ELECTRICAL SPECIFICATION		
Cut Off Frequency	DC – 8 GHz	
Impedance (Ω)	50Ω	
Capacitance (pF/m)	75.8 pF/m	
Velocity of Propagation (%)	88%	
Peak Power	40.0 kW	
Voltage withstand (Vrms)	4.0kV	
Insulation Resistance	> 5 x 10^3 MΩ / Km	
Screening Attenuation	>120 dB	
Mechanical & Environmental Specification		
Minimum Bending Radius		
Single Bend	70 mm	
Repeated Bend	125 mm	
Moving Bend	350 mm	
Pulling Strength	1130 N	
Crush Resistance	2 kg / mm	
Tensile Strength	102 kg / (225 lb)	
Storage Temperature	-70 to +85ºC	
Installation Temperature	-40 to +60ºC	

Frequency (MHz)	**Attenuation & Average Power at 20ºC dB/100 m**	**kw**
10	0.672	11.30
100	2.17	3.49
200	3.10	2.44
450	4.75	1.59
800	6.46	1.17
900	6.87	1.10
1000	7.28	1.04
1500	9.09	0.833
1800	10.10	0.753
2000	10.70	0.710
2500	12.10	0.627
3000	13.40	0.565

VSWR	
800 ~ 1000 MHz	1.10
1700 ~ 2200 MHz	1.13
2500 ~2700 MHz	1.15

SRFS
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