

# SRFS TELEINFRA

## .085 SEMI RIGID CO-AXIAL CABLE

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Electrical & Mechanical Specification			
Max. operating frequency	40 GHz		
Impedance	50 Ω		
Nominal Capacitance	27.0 pF/ft (88.56 pF/m)		
Extinction Voltage	1500 Vrms 60 Hz		
Voltage Withstanding	2500 Vrms 60 Hz		
Safe Bend Radius (Proper tooling)	.050 in		
Dielectric Strength	5.0 KVrms 60 Hz		
Minimum Bending Radius	0.250 in/ 6.35 mm		
Weight	6.35 g/Ft (20.8 g/M)		
Construction			
Item	Material	Diameter	
Inner Conductor	Steel, Copper Silver Plated	.021 ± .0005 inches	
Insulation	PTFE	.066 ± .002 inches	
Outer Conductor	Copper, Tin plated	.0865 + .002-.001 inches	
Frequency (GHz)	Attenuation dB/100 ft	Power (Watt) 20°C and Sea level at dB/100 m	
0.5	12.4	40.7	248
1	17.6	57.7	174
5	40.1	131.5	76
10	57.4	188.3	53
20	82.6	270.9	36
26.5	95.9	314.6	31
40	119.6	392.3	25

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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

